

NAAC - SSR

SELF STUDY REPORT

FOR

INSTITUTIONAL ASSESMENT & ACCREDITATION

SUBMITTED TO

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

SUBMITTED BY



NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY (NIET)

19, KNOWLEDGE PARK II, INSTITUTIONAL AREA, GREATER NOIDA,
G B NAGAR, UTTAR PRADESH, 201306

[Affiliated to Dr. A. P. J. Abdul Kalam Technical University
(Formerly UPTU), Lucknow, U.P.], www.niet.co.in

2017



NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, GREATER NOIDA

नोएडा अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, ग्रेटर नोएडा

Approved by AICTE and Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow
(Formerly Uttar Pradesh Technical University)

Ph.: (0120) 2320062, 6498711; Fax: (0120) 2320132

e-mail: director@niet.co.in; Website: www.niet.co.in

Ref : NIET/

Date

COVERING LETTER

To,

The Director,
National Assessment and Accreditation Council (NAAC),
Nagarbhavi, Bangalore- 560072, Karnataka.

Subject: Submission of Self-Study-Report (SSR) of the Institute.

Dear Sir,


Greetings from NIET Greater Noida!

In reference to our **Letter of Intent (LOI) Track ID UPCOGN27097** and subsequent email from your side dated 11.04.2017 regarding the LOI acceptance information and the submission of Self-Study-Report (SSR).

In this regard, we have already uploaded our duly filled-in Self-Study-Report (SSR) in PDF format on the Institute's website i.e. **www.niet.co.in** (URL: <http://www.niet.co.in/pdf/naac-ssr.pdf>) on 20.03.2017 for your kind consideration. The hardcopy of the same is being sent for further processing.

Kindly acknowledge and do the needful

Thanks & Regards


12.4.17

Prof. (Dr.) Ajay Kumar
Director



NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, GREATER NOIDA

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Date

Declaration by the Head of the Institution

I certify that the data included in the Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the Institution after internal discussions, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

Place: Greater Noida, UP.

Date: 10-04-2017

Signature of the Head of the Institution with Seal

Director

Noida Institute of Engineering & Technology
19, Knowledge Park-II, Greater Noida-201306


10.4.17



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List of Abbreviations

AICTE	All India Council for Technical Education
AKTU	Abdul Kalam Technical University
ARC	Applied Robotic Control
BOS	Board of Studies
BT	Biotechnology
CBCS	Choice Based Credit System
C-DAC	Centre for Development of Advanced Computing
CDC	Creative Design Cell
CDCM	Creative Design Cell Meet
CDs	Compact Disc
CE	Civil Engineering
CGPA	Cumulative Grade Point Average
CH	Chemical Engineering
CMC	Career Management Cell
CNC	Computer Numerical Control
CSE	Computer Science & Engineering
CSI	Computer Society of India
CWQIP	Campus Wide Quality Improvement Program
DAAMM	Daily Academic And Administrative Monitoring Meeting
DDU-GKY	Deen Dayal Upadhyaya Grameen Kaushalya Yojana
DST	Department of Science & Technology
DSW	Dean Student Welfare
ECE	Electronics & Communication Engineering
EDC	Entrepreneurship Development Cell
EIS	Engineering & Industrial Services
EN	Electrical & Electronics Engineering
ERP	Enterprise Resource Planning
ETCS	Emerging Technologies In Computer Science
EWS	Economically Weaker Section
FDP	Faculty Development Program
FTDC	Faculty Training & Development Cell
GBTU	Gautam Budh Technical University
GMAT	Graduate Management Admission Test

GRE	Graduate Record Examination
IAS	Indian Administrative Services
ICT	Information and Communications Technology
INAE	Indian National Academy of Engineering
IOT	Internet of Things
IPR	Intellectual Property Right
IQAC	Internal Quality Assurance Cell
IQAS	Internal Quality Assurance System
ISR	Institutional Social Responsibility
ISTE	Indian Society for Technical Education
IT	Information Technology
JET	Journal of Engineering & Technology
JOM	Journal of Management
KLD	Kilo Litre Daily
LSRW	Listening Speaking Reading Writing
MBA	Master of Business Administration
MCA	Master of Computer Application
ME	Mechanical Engineering
MODROB	Modernization and Removal of Obsolescence
MOOC	Massive Open Online Course
MOU	Memorandum of Understanding
MSME	Ministry of Micro Small And Medium Enterprises
MTU	Mahamaya Technical University
N/A	Not Applicable
NIET	Noida Institute of Engineering & Technology
NIRF	National Institute Ranking Framework
NITTTR	National Institute of Technical Teachers Training and Research
NPTEL	National Programme on Technology Enhanced Learning
NSDC	National Skill Development Council
OER	Open Educational Resource
OPAC	Online Public Access Catalogue
PBL	Project Based Learning
PDP	Personality Development Programme
PFS	Pyramid Finishing School

PMKVY	Pradhan Mantri Kaushal Vikas Yojana
PSUs	Public Sector Undertakings
PTC	Parametric Technology Corporation
QIP	Quality Improvement Program
QP-NOS	Quality Program - National Occupational Standard
RPS	Research Promotion Scheme
SAE	Society For Automobile Engineer
SCI	Science Citation Index
SDP	Student Development Program
STC	Short Term Course
STP	Summer Training Program
STTP	Short Term Training Program
TBI	Technology Business Incubator
TBL	Text Book Loan
TFW	Tuition Fee Waiver
TQM	Total Quality Management
TR	Tabulation Register
TSDP	Total Students Development Program
TSSC	Telecom Sector Skill Council
UGC	University Grant Commission
UPTU	Uttar Pradesh Technical University
VUE	Visual Understanding Environment
WSDP	Weak Students Development Program

Executive Summary:

Noida Institute of Engineering and Technology (NIET), Greater Noida, is one of the premier Engineering and Management Institutes in the National Capital Region (NCR) of the country. It was established in the year 2001 by eminent visionaries under City Educational and Social Welfare Society of Meerut with a vision to provide value driven education of global dimensions. It is progressing towards a center of excellence, imparting technical education and generating competent professionals with a high degree of credibility, integrity and ethical standards. NIET aims at recognizing, respecting and nurturing the creative potential of each student.

The Institute is affiliated to Dr. A P J Abdul Kalam Technical University (formerly Uttar Pradesh Technical University), Lucknow, and approved by All India Council for Technical Education (AICTE). The Institute provides B. Tech. degree programs in eight branches, M. Tech. in seven branches, MCA, MBA. NIET continuously focuses on upgrading the human capital and infrastructure. The Institute is equipped with state-of-the-art cutting edge technology labs which includes Cloud Computing lab, Big Data lab, IOT lab, Embedded System lab, Product design & 3D printing lab, CARDEA (MiBeat) lab, ARC (Applied Robotic Control) lab, EMC² lab, Microsoft Innovation Centre, Cisco Networking Academy, PTC Competence Centre, Prometric Centre, Pearson VUE Center, Foreign language labs (Japanese & German). The Institute has established Technology Business Incubator (NIET-TBI), approved by MSME & Startup India, Government of India to support budding entrepreneurs. The Institute also has its own Mobile App (NIET-CollPoll) to facilitate students and recruiters with all the current information and queries.

INSTITUTE LEADERSHIP

The details of the Institute's Leadership are given below:-

S. No.	Name	Designation
1.	Dr.(Mrs.) Sarojini Agarwal	Chairperson
2.	Dr. O.P. Agarwal	Managing Director
3.	Dr. Neema Agarwal	Additional Managing Director
4.	Sh. Raman Batra	Executive Vice-President
5.	Sh. S C Nagpal	Head, Consultant
6.	Prof. Pande B.B.Lal	Director General
7.	Prof. Ajay Kumar	Director
8.	Dr. Praveen Pachauri	Director (Project & Planning)
9.	Dr. N.Rajesh Mathivanan	Dean - Academics

Governing Body: The details of Governing Body of the Institute are given below:-

S.No.	Name	Position	Profession/Nominee
1.	Dr (Mrs)Sarojini Agarwal	Chairperson	Professional Medical Practitioner, Renowned Gynecologist and MLC, UP.
2.	Dr O.P. Agarwal	Vice-Chairman	Professional Medical Practitioner, Renowned Physician
3.	Dr Neema Agarwal	Member	Professional Medical Practitioner, Renowned Radiologist
4.	Sh. Ashok Singh	Member	Leading Public Figure
5.	Sh. Dayanand Gupta	Member	Industrialist, Meerut
6.	Sh. Raman Batra	Member	Executive Vice President, NIET
7.	Prof. (Dr) M.M. Hasan, Jamia Milia Islamia, New Delhi	Member	UPTU/AKTU Nominee
8.	Awaited from AICTE	Member	AICTE Nominee, Regional Officer (Ex-Officio)
9.	Awaited from DTE, UP	Member	Director, Technical Education, Kanpur (Nominee)
10.	Prof R. S. Nirjar	Member	Former Member Secretary, AICTE, and Former Vice-Chancellor, GBU
11.	Prof S. H. Ansari	Member	Former HoD and Dean, Department of Pharmacy, Jamia Hamdard University, New Delhi
12.	Prof.(Dr) Pande B.B.Lal	Member	Director General , NIET, Greater Noida
13.	Prof. (Dr) Sanjay Gairola	Member	Dean (R & D) NIET, Greater Noida
14.	Sh. Raj Kumar Goel	Member	Assistant Prof. NIET, Greater Noida
15.	Prof. (Dr) Avijit Mazumder	Member	Director, Pharmacy, NIET, Greater Noida
16.	Prof. (Dr) Ajay Kumar	Member Secretary	Director, NIET, Greater Noida

SWOC Analysis

STRENGTHS

- **Management:** Good visionary management to take the institution to highest levels of quality education with transparent governance and administration.
- **Faculty:** Highly qualified and experienced.
- **Infrastructure:** Eco-friendly (solar powered) green campus, well equipped classrooms and laboratories, central library & Departmental libraries, sports facilities, medical facility and transportation facilities.
- **Teaching Methodology:** Fine blend of Pedagogy and Andragogy.
- **Certification:** ISO 9001:2015 certified.
- **Curriculum:** Adopting futuristic, Industry-oriented and emerging technologies besides standard curriculum of affiliating University.
- **Career Management Cell:** Excellent placement record (742 in the year 2015-16 and 792 in the current academic year i.e. 2016-2017).
- **Pyramid Finishing School:** Provides opportunity in skill based learning for bridging gap between academia and industry.
- **Collaborations:** Collaborations with Universities and Institutions of repute, MoUs with various Industries and Hospitals.
- **Train & Hire Programme:** The Institute runs Train-Hire programmes for customized manpower solutions for companies like Tata Consultancy Services, Metro Tyres, Murugappa group, ICICI direct, P3-Innovative Engineering Solutions and Fujitsu.
- **International Foreign Language Labs:** Japanese language lab & German language lab.
- **R&D:** University approved research centers in two Departments. Chapters / clubs of professional bodies like ISTE, CSI, IEI and Mozilla Firefox. Large number of publications with an incentive scheme for publication in reputed journal. Quality final-year projects.
- **Hostel:** Comfortable accommodation with 24X7 power backup, medical insurance, no profit- no loss co-operative mess, Wi-Fi & hotspots enabled, common room, guest room, automated laundry services.
- **Ranking:** 99th Rank across India by NIRF, MHRD, Govt. of India for the year 2016, among top educational institutions in India and 29th & 27th rank across India as “Best Private Engineering Institute” by Times of India for two consecutive years 2015 & 2016. The NIET B-School ranked 60th across India by Times of India for the year 2016-2017.
- **Recent Awards & Accolades:**
 - NIET, Greater Noida was awarded with “**India Excellence Award 2017**” for its “**Best Academic & Placement in U.P**” by Shri Prakash Javadekar (Hon’ble Union Minister of HRD, Government of India).
 - Digital Economy Conclave 2017, awarded NIET Greater Noida as **Best Institute in Academics and Placements in North India** for the year 2017.
 - ASSOCHAM, India awarded NIET, Greater Noida as “**Best Institute for Academic & Placement in U.P**” for three consecutive years 2015, 2016 and 2017.

- Awarded as “**Globe Platinum Award**” at World Business Conclave 2016 at Hongkong.
- Awarded as “**Great Place to Study**” by House of Commons, London (UK), 2015-16.
- Assocham, India awarded NIET, Greater Noida as “**Best Technical Institute in U.P.**”, 2016.
- Assocham, India awarded NIET, Greater Noida as “**Best Institute of Innovative Education & Placement**”, 2016.
- WCRC awarded NIET, Greater Noida as “**Best Engineering Institute for Outstanding Placement**”, 2015-16 at Bangkok, Thailand.
- TCS awarded NIET, Greater Noida with “**Highest Participation of Students**” in “**TCS Flagship Contest**” for continuously three years 2016, 2015, 2014.
- Awarded as “**Visionary Minds**” by Aspiring Minds, 2016-2017; 2015-16; 2014-15
- Outstanding Institution Award 2014-15 by NITTTR, Chandigarh.
- Awarded “**Leading Institution in Skill Development and Placement**” by Times of India.
- Awarded “**Asia’s Best & Fastest Growing Education Institute in Asia**” by WCRC Leaders at Singapore, 2014-15.
- Awarded “**Best Institute for Excellence in Education**” by Times India Survey, 2015.
- **Innovative Labs:** NIET is equipped with cutting edge technology labs such as Cloud Computing, Big Data, Internet of Things, PTC, Applied Robotics Control lab under Indo-Euro Sync, Apple iOS, CARDEA (MiBeat), Product Design & 3D Printing, Embedded Systems, EMC² & Microsoft Innovative lab.
- **Publications:** NIET publishes two bi-annual journals namely NIET Journal of Engineering & Technology and NIET Journal of Management.
- **Library:** Completely automated Library Management System. Multiple copies of books and journals (hard/ e-journals) ensure that resources are easily available for landing & reference in the library.
- **Incubation Center:** NIET, Technology Business Incubator (NIET-TBI), approved by MSME & Startup India, Government of India to develop the entrepreneurship skills of students and help them to become successful entrepreneurs.
- **NIET Skill Academy:** With the aim to become global skill hub, NIET skill academy in association with PMKVY (Pradhan Mantri Kaushal Vikas Yojana) & DDU-GKY (Deen Dayal Upadhyaya Grameen Kaushalya Yojana) provides different skill programs to the interested students.
- **Institute Social Responsibility:** Organizes several welfare programmes for students and society, such as Rainbow School, Girls self-defense training, TCS fit-for-life Campus Challenge, Tree Plantation, Drug campaign, Save water, save power awareness program etc. Also have tie-ups with NGOs like Neerangali & Assem Nari Shakti.
- **Other Facilities:** Nationalised Bank (Union Bank of India) with ATM facility, ultra modern gymnasium, indoor & outdoor sports activity and food court (Hunger Bells).

NIET has State-of-art Digital Studio to record stellar faculty members and making their video available on cloud space for easy and effective access.

- **GATE/ IES Training Centre:** NIET in association with Engineer's zone provides guidance & training to students for GATE/ IES preparation on subsidized fees.
- **Tie-up under Margdarshan Scheme of AICTE:** NIET is the first engineering college in northern India and one among the 10 engineering college, chosen by the College of Engineering Pune (CoEP) as a part of the Margdarshan scheme of the All India Council for Technical Education (AICTE).

WEAKNESSES

- **Curriculum of University:** Gap between industry and academia.
- **Communication Skill:** Majority of students come from rural background and lack communication skills.
- **Lack of Sponsored Projects and Consultancy:** Active mobilisation of fund from the government agencies for research & development needs to be enhanced.
- **Delayed counseling affects admission:** Meritorious students are attracted by other reputed Universities from other states due to their early counseling.
- **Industrial Exposure:** Lack of Industry experienced faculty members.

OPPORTUNITIES

- **Location:** NIET, located in Greater Noida, NCR, can leverage on the huge opportunity to become an innovation hub to support 'Make in India', 'Digital India' and Startup initiatives of the Government of India.
- **Competitive Examination:** Creating a platform to provides students in becoming IAS and allied services officers.
- **International Placements:** Continuous efforts for the placement of students internationally on niche technologies.
- **Faculty exchange Programme:** To conduct cross faculty exchange activities among reputed Institutes.
- **Developing Innovative Ideas:** Scope for developing innovative ideas from staff and students into products and commercialisation through NIET-TBI.
- **Tie-up with National and International Universities/Organizations:** Plan to strengthen relationship on mutual benefit with Universities, Institutes/Organizations of National and International level under MERSSION Program.
- **Startup India:** Creating an ecosystem through NIET-TBI for successful spin-off.

CHALLENGES

- **Industry and Market Needs:** Rapid development in technology increases the gap between industry and academia.
- **Quality of Students:** Enriching the quality of students coming from rural background.
- **Enhancing the Moral Values:** To relate technical education with high moral values.
- **Skill based education:** Skill based training of the students which is the need of current scenario.
- **Mushrooming of Universities, Technical colleges:** Rising number of Colleges, Universities and Technical Institutions bringing in tough competition among the colleges.
- **Retention of Intellect Capital:** Mushrooming Institutes make it tough to retain good faculty members.

SECTION B: PREPARATION OF SELF-STUDY REPORT

Profile of the Affiliated/Constituent College

1. Name and Address of the College:

Name:	NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY		
Address:	19, Knowledge Park II, Institutional Area, Greater Noida		
City: G B Nagar	Pin: 201306	State: Uttar Pradesh	
Website:	www.niet.co.in		

2. Address For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	E-mail
Principal/ Director	Dr Ajay Kumar	O:0120- 2320062 R:	9599446607	+91-120- 2320062	director@niet.co.in
Vice Principal	-	O: R:	-	-	-
Steering Committee Coordinator	Dr. N. Rajesh Mathivanan	O:0120- 2320062 R:	9958733153	+91-120- 2320062	deanacademic@niet .co.in

3. Status of the Institution:

Affiliated College	<input checked="" type="checkbox"/>
Constituent College	<input type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

4. Type of Institution:

- By Gender

<input type="radio"/> For Men
<input type="radio"/> For Women
<input checked="" type="radio"/> Co-education

- By Shift

<input checked="" type="radio"/> Regular
<input type="radio"/> Day
<input type="radio"/> Evening

5. It is a recognized minority institution?

- Yes
- No

If yes, specify the minority status (Religious/linguistic/any other) and provide documentary evidence.

6. Sources of Funding:

- | | |
|-----------------|-------------------------------------|
| Government | |
| Grant-in-aid | |
| Self -financing | <input checked="" type="checkbox"/> |
| Any other | |

7. a) Date of establishment of the college: **02/07/2001**

b) University to which the college is affiliated/or which governs the college (If it is a constituent college)

Dr. A.P.J. Abdul Kalam Technical University, Lucknow

c) Details of UGC recognition: **N.A.**

S.No.	Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
1	2(F)	-----	NO
2	12(B)	-----	NO

(Enclose the Certificate of recognition u/s2 (f) and12 (B) of the UGC Act)

- d. Details of recognition/ approval by statutory/ regulatory bodies other than UGC (AICTE (✓), NCTE, MCI, DCI, PCI (✓), RCI etc.)

Under Section/ clause	Recognition/ Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.	Northern/1-2812368061/ 2016/ EOA	05/04/2016	1 year	AICTE Approval for Engineering, MBA, MCA

(Enclose the Certificate of recognition

(Annexure I)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized?

a) by UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition :.....(dd/mm/yyyy)

b) for its performance by any other governmental agency?

Yes: ✓ No:

If yes, Name of the agency: NIRF, MHRD, Govt. of India and NITTTR, Chandigarh

Date of recognition by NIRF: 04.04.2016

Date of recognition by NITTTR Chandigarh: 07.09.2015

10. Location of the campus and area in sq. mts:

Location*	Urban
Campus area in sq.mts.	40864.6 sq. mts.
Built-up area in sq.mts.	62285.37** sq.mts.

(*Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify; ** Multistory)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/ seminar complex with infrastructural facilities - ✓ **Yes** (02 Nos)
- Sports facilities
 - Play Ground ✓ (02 Nos)
 - Swimming Pool **No**
 - Gymnasium ✓(02 Nos)
- Hostel
 - **Boys hostel**
 - No. of the Hostels: 03
 - No. of inmates: 1014
 - Facilities:
 - Cooperative mess, Wi-Fi, gymnasium, indoor/outdoor games, Common Room, shops (stationery), medical facilities and insurance, guest room, Geysers, laundry, Power Back –up, etc.
 - **Girls' hostel**
 - Number of Hostels: 01
 - Number of inmates: 406
 - Facilities
 - Cooperative mess, Wi-Fi, gymnasium, indoor/ outdoor games, Common Room, shops (stationery), medical facilities and insurance, Guest room, Geysers, laundry, Power Back –up, etc.
 - Working women's hostel – ✓ **Yes** (few rooms are allocated in girls hostel)
 - Residential facilities for teaching and non-teaching staff (give numbers available—cadre wise) ✓ **Yes**
 - Hostel for Teaching / Non-teaching staff: ✓ **Yes** (01 Nos)
 - Residential Facilities for Directors/Deans: ✓ **Yes** (04 Nos)

- Cafeteria - ✓ **Yes** (04 Nos)
- Health centre - ✓ **Yes** (01 Nos)
 - First aid, In-patient, Out-patient, Emergency care facility, Ambulance - ✓ **Yes available**
 - Health centre Staff - ✓ **Yes available**
 - Qualified Doctor Full-time (✓) Part-time
 - Qualified Nurse Full-time (✓) Part-time

- Facilities like banking, post office, book shops – ✓ **Yes available**
- Transport facilities to cater to the needs of students and staff – ✓ **Yes available**
- Generator or other facility for management/ regulation electricity and voltage - ✓ **Yes available**
- Solid waste management facility– ✓ **Yes (Initiated)**
- Waste water management– ✓ **Yes (sewage treatment plant 195KLD)**
- Water harvesting – ✓ **Yes available**

12. Details of programmes offered by the college (Give data for current academic year: 2015-2016)

S. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned / approved Student strength	No. of students admitted
1	Under- Graduate B. Tech.	CS 1 st Shift	4 Yrs	10+2	English	180	180+5*
		CS – 2 nd Shift				60	60+2*
		EC – 1 st Shift				180	119
		EC – 2 nd Shift				60	43
		IT				120	119
		ME- 1 st shift				180	180+7*
		ME – 2nd Shift				60	60+3*
		EN- 1 st Shift				180	111
		EN- 2 nd Shift				60	20

		CE				180	179
		CH				60	29
		BT				60	47
2	Post-Graduate (M. Tech.)	Software Eng.	2 Yrs	B.E./B. Tech	English	18	02
		CSE				24	08
		VLSI				18	02
		Tel. Comm. Eng.				18	04
		CAD				18	03
		Power Electronics				18	04
	ME	24	09				
	Post-Graduate	MBA	2Yrs	Graduate	English	180	76
MCA		3 Yrs	BCA/ UG with Maths	English	60	21	
3	Integrated Programme PG	---	---	---	---	---	---
4	Ph.D.	Approved Research Centers	3 Yrs	Masters Degree	English	As per University Norms	
5	M. Phil.	---	---	---	---	---	---
6	Ph. D.	---	---	---	---	---	---
7	Certificate courses	---	---	---	---	---	---
8	UG Diploma	----	---	---	---	---	---
9	PG Diploma	---	---	---	---	----	---
10	Any Other (specify and provide	---	---	---	---	---	---

* FW Category (5% Extra Seats in B.Tech Programme)

13. Does the college offer self-financed Programmes?

Yes

No

If yes, how many?

UG-01 (08 B.Tech courses),
PG-03 (07 M.Tech, MBA, MCA) and
02 University approved Research Centers

14. New programmes introduced in the college during the last five years if any?

Yes	✓	No	1	Number	UG-01(B.Tech in Biotechnology) PG- 07 courses
-----	---	----	---	--------	--

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages, etc.)

Faculty	Departments (eg. Physics, Botany, History)	UG	PG	Research
Any Other (Specify)	1. Faculty of Engineering			
	➤ Department of Computer Science & Engg.	✓	✓	
	➤ Department of Information Technology	✓		
	➤ Department of Electronics & Communication Engineering	✓	✓	✓
	➤ Department of Electrical & Electronics Engineering	✓	✓	
	➤ Department of Mechanical Engineering	✓	✓	✓
	➤ Department of Civil Engineering	✓		
	➤ Department of Chemical Engineering	✓		
	➤ Department of Bio-Technology	✓		
	2. Faculty of Management (MBA)			✓
3. Faculty of Computer Applications(MCA)			✓	

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

a.	Annual system	
b.	Semester system	✓
c.	Trimester system	

}	B.Tech.
	M.Tech.
	MCA
	MBA

17. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/ Multi-disciplinary Approach

All Programs
B.Tech., M.Tech., MBA, MCA all
have inter-disciplinary subjects

c. Any other (specify and provide details) N.A.

18. Does the college offer UG and/ or PG programmes in Teacher Education?

Yes No

If yes,

- a. Year of Introduction of the programme(s).....(dd/mm/yyyy)
and number of batches that completed the programme
- b. NCTE recognition details (if applicable)
Notification No.:.....
Date:.....(dd/mm/yyyy) Validity:.....
- c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

- a) Year of Introduction of the programme(s).....(dd/mm/yyyy)
and number of batches that completed the programme
- b) NCTE recognition details (if applicable)
Notification No.:.....
Date:..... (dd/mm/yyyy) Validity :.....
- c) Is the institution opting for assessment and accreditation of Physical Education? Programme separately? Yes No

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Visiting Faculty	Nonteaching staff		Technical staff		
	Professor		Associate Professor		Assistant Professor							
	*M	*F	*M	*F	*M	*F		*M	*F	*M	*F	
Sanctioned by the UGC/ University/ State Government	-	-	-	-	-	-		-	-	-	-	
<i>Yet to recruit</i>	-	-	-	-	-	-		-	-	-	-	
Sanctioned by the Management/society or other authorized bodies <i>Recruited</i>	21	05	09	02	183	91	66	32	06	71	01	
<i>Yet to recruit</i>							Recruitment is made as per norms					

***M-Male*F-Female**

21. Qualifications of the teaching staff:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	21	05	07	01	11	04	49
M. Phil.	-	-	-	-	02	00	02
PG	-	-	01	0	169	86	255
Temporary teachers-NA							
Ph.D.							

M. Phil.							
PG							
Visiting Faculty –Male: 63, Female: 03							
Ph.D.							
M.Phil.							
PG							

22. Number of Visiting Faculty /Guest Faculty engaged with the College.

66

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	Year 2016-17		Year 2015-16		Year 2014-15		Year 2013-14		Year 2012-13	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	46	07	32	07	41	11	65	16	91	12
ST	01	-	01	00	09	05	23	10	03	00
OBC	346	48	431	65	432	84	459	40	445	89
General	750	149	688	178	580	161	629	151	821	264
Others	02	-	154	13	78	12	95	25	102	17

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M.Phil	Ph.D	Total
Students from the same State where the college is located	838	104	-	-	942
Students from other states of India	541	28	-	-	569
NRI students	N.A.	N.A.	-	-	-
Foreign students	N.A.	N.A.	-	-	-
Total:	1379	132	-	-	1511

25. Drop out rate in UG and PG (average of the last two batches)

UG

PG

26. Unit Cost of Education

Unit cost=total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component

(b) Excluding the salary component

27. Does the college offer any programme/in distance education mode (DEP)?

Yes No

If yes,

a) Is it a registered centre for offering distance education programmes of another University

Yes No

b) Name of the University which has granted such registration

Indira Gandhi National Open University (IGNOU)

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes No

28. Provide Teacher-student ratio for each of the programme/ course offered

UG (B.Tech) PG (MBA & MCA)	1:15
PG (M.Tech)	1:12

29. Is the college applying for

Accreditation:	Cycle 1	✓	Cycle 2	Cycle 3	Cycle 4
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Re-Assessment	
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(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

30. Date of accreditation*(applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1:..... Accreditation Outcome/ Result– N/A
 Cycle 2:.....(dd/mm/yyyy) Accreditation Outcome/ Result.....
 Cycle 3:.....(dd/mm/yyyy) Accreditation Outcome/ Result.....

****Enclosed copy of accreditation certificate(s) as annexure II and peer team report(s) as an annexure III.***

31. Number of working days during the last academic year. 257

32. Number of teaching days during the last academic year.
(Teaching days means days on which lectures were engaged excluding the examination days)

164

33. Date of establishment of Internal Quality Assurance Cell (IQAC):

26th February, 2015

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC N/A
 AQAR (i).....(dd/mm/yyyy)
 AQAR (ii).....(dd/mm/yyyy)
 AQAR (iii).....(dd/mm/yyyy)
 AQAR (iv).....(dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include.
 (Do not include explanatory/ descriptive information: **Nil**)

2. Criteria-wise Inputs

CRITERION I : CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision:

- To be an Institute of academic excellence in the field of education, with future plan of becoming a deemed university, earn name and hence win faith of the society.

Mission:

- To impart to its students a high quality education, develop their skills, broaden their mental horizon and nurture them into competent and talented professionals to meet the challenges of the new millennium.

Quality Policy:

- The quality policy of the Institution is to develop highly skilled human resources with the ability to adapt to an intellectually and technologically changing environment with the participative efforts of the management, staff, students and parents.

Values:

The focus is mainly on results, integrity, innovation, teamwork and discipline.

1. Focus on Result

- a. Help student to be at their best by providing individualistic training
- b. Have a can do (positive) attitude and drive to take the tough calls
- c. Make students feel valued and appreciated
- d. Provide best-in-class placements to students

2. Integrity

- a. Demonstrate a commitment to integrity and ethics
- b. Finishing School Training is provided to all students free of cost
- c. Show respect and value all individuals for their diverse backgrounds, experiences, styles, approaches and ideas
- d. Assume positive intent

3. Innovation

- a. Use latest technologies to train students

- b. Use innovative processes and unique solutions
- c. Foster creative work environment
- d. Improvement in processes and procedures

4. Teamwork

- a. Work with others as a team to accomplish results
- b. Celebrate success together
- c. Listen to others for understanding
- d. Personally committed to the success and well-being of teammates

5. Discipline

- a. Honest and fair with each other
- b. Abide by our policies and procedures
- c. Support our disciplinary system
- d. Protect and uphold our values

Objectives:

- To inculcate a sense of professional responsibilities in our students to excel in their respective fields.
- To motivate students for lifelong learning process to remain creative, adaptable and effective professionals in the workplace.
- To impart life skills to our students.

Communication to the different stakeholders

- The vision and the mission of NIET are displayed at the prime locations such as, reception, Department notice board, laboratories, library, seminar hall, and canteen. Websites, mobile app, prospectus, magazine, newsletters and academic calendar of the college are the means of disseminating our vision and mission to everyone.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

NIET, being an affiliated college, solely depends on university for its curriculum. The following framework is used to deploy the curriculum effectively

- **Collection** of syllabus and academic calendar of the session from the university.
- **Discussion** about the proper execution of the teaching plans.
- **Allotment** of the subjects to faculty members as per their expertise.
- **Formulation** of faculty wise weekly time-table so as to ensure well-timed completion of syllabus.
- **Notification** of class time-table to faculty members and student through ERP and notice boards and distribution of syllabus and evaluation scheme

- among students.
- **Preparation** of the study materials in the form of a Course file, containing Power point slides, notes, tutorial sheets, assignment sheets, quizzes, model and previous years question papers and any other relevant materials by the faculty members.
 - **Conduction** of the theory, tutorial, and practical classes appropriately monitored by HODs and the Director.
 - **Feedback** from the students so as to resolve their academic and administrative issues immediately.
 - **Internal Examinations** are administered during an academic term as per the university's guidelines.
 - **Compilation** of marks and its submission by the faculty to the university.
 - **Review** of Faculty wise students' feedback and counseling/ mentoring of the individual faculty members by HOD for any short fall and improvements.
 - **Review** of internal and external results by the Director/ Dean/ HODs so as to take corrective measures to be implemented in next semester to improve students' performance.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- The University through its website (www.aktu.ac.in) communicates with its teachers apropos of the course curriculum, syllabi, workshops, conferences, notices and other official details. Through this website the university interacts with the institute for various academic issues through allotted college login/teacher login.
- To strengthen the teaching-learning process the Institute provides the teachers with all the required and modern tools such as laptops, projectors, and audio-video devices etc. and encourages them to have right blend of pedagogy and andragogy teaching.
- Access to e-journals, text books, reference books, IEEE publications and other technical magazines of repute are provided to the teachers to upgrade their knowledge.
- The management support faculty members for any suggestions regarding initiative and innovation in teaching methodology.
- The research interests of teachers are encouraged through incentives.
- The institute organizes various training programmes, seminars, conferences, workshops, FDPs and guest lectures for improving teaching practices.
- The Institute organizes Academic Manthan annually to improve teaching practices.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

The initiatives taken by the Institution for effective curriculum delivery and for transaction on the curriculum as given below:

- Institute frames different committees to ensure effective curriculum delivery.
- The institute focus on using modern teaching aids (presentations, video, case studies & caselets etc.)
- Time-to-time FDP programmes are arranged for adapting new practices.
- Performance incentives are given to teachers and students.
- Weak Student Development Program (WSDP) classes are organized every semester to support academically weaker students.
- Director and Dean (Academic) office ensure effective implementation of the university curriculum and continuously monitor the academic activities through an automated enterprise resource package (ERP) of the Institute.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

The curriculum is designed by Board of studies of the affiliating university which comprises of the members from academia, industry and research bodies and it is made operational in such a way that the students pursuing the programme are readily employable by the industries & organizations. For networking and interaction the Institute resorts to efficient networking and interaction with beneficiaries through the following institutionalized processes:-

1. Networking and Interaction with Industry:

Institution networks and interacts with the industry in a number of ways. Institute has a full-fledged Career Management Cell (CMC) for interacting, initiating talks, organizing the events in collaboration with the industries. The CMC is engaged in organizing industry-academia participation events, such as Human Resource Conclaves, Train & Hire Programs, ISR Programs, Seminars & Conferences, Guest/ Expert Lectures by industry representatives, Industrial Visits for the students etc.

1.a. HR Conclaves

The Institute organizes and participate in National & International HR Conclaves at various places like Bangalore, Gurgaon, New Delhi, Pune, Singapore, Orlando, Washington DC, USA to interact with HRs of leading organizations across the world to understand the requirement of the industry which is to be taken care through curriculum.

The HR Conclaves are organized to initiate the direct interaction between industry and the academia. A large number of HRs participate and put forth the problems and the

solutions related to the students. In turn, the colleges also share their thoughts for the improvement in the further joint efforts in training and recruiting the young students of the colleges.

Few photographs of HR Conclaves/ Events

1. HR Conclave, Gurgaon

2. HR Conclave, Bangalore



3. HR Conclave, Singapore

4. HR Conclave, New Delhi



5. SHRM India, Annual Conference,
Gurgaon

6. HR Conclave, Pune



7. SHRM International HR Conclave, Washington DC, 2016



8. Stimulus World Business Conclave, HongKong, 2016



1.b Train & Hire Program:

This program is to cater the industry ready professionals. The companies provide additional training supplementing the curriculum. For example:

- **Tata Consultancy Services** starts orientation of students a year before they plan to recruit from our Institute. Various activities are organized throughout the year for the benefit of the students. For example
 - **EIS Technova:** It is an Engineering & Industrial Services (EIS) Project, whereby students get trained by TCS representatives by means of "Project Stalls".
 - **TCS Guest Lectures** for students and faculty members are organized for betterment and updating of students, faculty members and HoD about the upcoming technologies.



- **Murugappa Group:** Murugappa Group visits us a year before the campus selection to train B. Tech 3rd year (Mechanical Branch) students by means of Workshops, Event and Quizzes for their upcoming projects. As a part of Murugappa Group “**Young Professional Program**”, they begin our campus initiatives every year to engage with pre-final year candidates and help them in analysing their cognitive ability in preparation for the next year Campus Season.



- **Headstrong:** The major collaboration between the IT giant, Headstrong, and NIET has led to success of industry-academia partnership. NIET students and faculty members under the same vision are associated in live projects of the company. The organization’s prime focus is to enhance the knowledge of both the mentor & the mentee.

1.c. Institute Social Responsibility (ISR) Programmes

These programs are introduced to provide exposure to the students to cater the social needs.

NIET has strongly stepped-in the Institute Social Responsibility initiatives in collaboration with government & non-government organizations and has organized many

welfare programmes for the students and the people of society. Below are some of the events which have recently been organized under the banner of CSR.

- **TCS Fit4life - Campus Challenge**

Partnering with the TCS Fit4life team, the Institute launched the “TCS Fit4life Campus Challenge”, in which students as well as teachers participated in a 5km run. TCS Fit4life Run, organized on 8th February, 2015, more than 3000 students participated from across the engineering colleges in Delhi/NCR.



- **Girls' Self-Defense Training**

NIET has recently organized Girls' Self-Defense Programme in association with a retired US Defense Force Professional, Ms. Melissa. The girls were trained in many of the tactics for the self-defense during the time of any crises.

The girls were trained in various aspects:

- Mentally Prepare Yourself
- Be Aware of Your Surroundings
- Predict Dangerous and Controlling Behavior
- Know Your Strengths & His Weakness
- Don't Be Relocated
- Stay Alert on Vacation



- **The Rainbow School**

To provide education to the children of the construction workers in the vicinity and those elsewhere, under the umbrella of Om Charitable Trust, the Rainbow School came into existence few years back.

The rainbow school students come from families who live on comparatively smaller means of life. NIETians, both the students and the faculty members, find time to interact with Rainbow School students once in a while. Apart from academics, these children are also being imparted vocational training.



1.d Industrial Visits

Industrial Visits are organized to give the real time exposure to the students about how the organizations operate. The batches of 40-60 students are formed and sent to the location of the organisation to see the ongoing work, machinery, work –culture, etc. Students are accompanied by a faculty member and one Mentor/Trainer is also assigned from the company to instruct students about the company, its projects, machinery, work-culture, etc.

Industry Visits



NSIC Incubator



Mother Dairy



Mother Dairy



Bisleri



Asian Pacific Breweries, Singapore



Oracle, Singapore



NeWater, Singapore



NeWater, Singapore



Parle-G



1.e Guest/Expert Lecture from the Industry

Expert Lectures are organized through the industry guests visiting our college for the interaction with the students. These invited guests are from the government, non-government, private and small scale industries. The Career Management Cell regularly organizes the lectures in coordination with various academic departments at the Institute. Some of the expert lectures organized is as follows:

- **Tata Consultancy Services:** Guest Lectures are organized by TCS for students and faculty members for betterment and updating about the latest trends in technologies.
- **AMDOCS:** The guest lecture was organized in collaboration with AMODCS, Pune. Their HR team member Ms.Viprali Rastogi and Technical Head Mr. Kamal Kant visited to deliver the guest lecture for NIET B. Tech pre-final and final-year students.



- **Samsung Engineering Pvt. Ltd.:** The lecture, delivered by Mr. Vishal Sharma, Regional Manager of the company, aimed at introducing B.Tech students to the latest technologies and trends being adopted by the Samsung Engineering to compete in the current market.



- **Indian Air Force Motivational Talk:** The motivational talk was organized by Chandipur Air Force Station for B. Tech pre-final and final-year students. The purpose of this talk was to update students about the career opportunities existing in the Air Force. The talk was delivered by Flt. Lt. Seemab Akhtar.
- **R System:** The motivational talk is organized by HR of R System. They organizes group discussion and demo interview sessions for preparing students for upcoming training & placement session of self and other participating technology.



2. Networking and interaction with research bodies and the university

The faculty members organize various workshops, seminars, conferences and participate in events organized by other institutes and universities. Many of our faculty members are supervising UG/ PG projects and Ph.D candidates in collaboration with researchers and academicians in premier research organizations and institutions. NIET is a university-approved research center. Some of the events organized by the Institute are follows:

2.a Seminars and Conferences

Seminars and Conferences are organized for persuading the research & development on the latest technologies and work-culture. Eminent speakers and guests from the academia and industry are invited to participate in the seminars and conferences. The details of the seminars organized are given below:

- Recent Trends in Electrical Engineering
 - Prof. S K Kak, VC, MTU
 - Prof. Bhim Singh, IIT Delhi
- National Seminar on Skill Development
 - Shri Veer Bhadra Singh, Hon'ble Minister, MSME
 - Shri Ashok Thakur, Secretary, Ministry of HRD
 - Prof. Ved Prakash, Chairman, UGC
 - Prof. S S Mantha, Chairman AICTE
 - Shri Ashok Singh, National Vice President, INTUC
 - Shri U P Singh, Ex Secretary UP Govt.
- End to End Security and Privacy in DS & Cloud
 - Prof. Bharat Bhargava, Purdue University, Indiana

Year	Workshops/Seminars/ Conferences
2012	<p style="text-align: center;">National Seminar on Entrepreneurship “National Seminar on Role of Technocrats in achieving Skill development Mission”. Chief Guest Shri Virbhadra Singh, Minister MSME</p>
2013	<p style="text-align: center;">National Seminar on Need of Entrepreneurial Revolution in Emerging Technologies in the current Global scenario</p>
2014	<p style="text-align: center;">Innovation is the Buzz word of the decade, lets unfold the truth</p> <p style="text-align: center;">Intellectual Property Rights (Protect your innovation)</p> <p style="text-align: center;">The Entrepreneur – Lets know about your potential to be Entrepreneur</p> <p style="text-align: center;">Social Media Boot Camp for students and startups IDEATHON -2014 – Inter College Business Idea Presentation Challenge. 80 participants, 35 Business ideas and 3 Winners. Microsoft innovation Competition – facilitated students for a global innovation competitions</p> <p style="text-align: center;">Inter-college Contest & Symposium ENZINIUS in association with SAEINDIA</p>
2015	<p style="text-align: center;">International Conference and Technology Exhibition in sync with MAKE IN INDIA on cutting Edge Technological Challenges and student developed product exhibition</p> <p style="text-align: center;">National Seminar on CLOUD COMPUTING .This event was designed to provide an insight on technology trends and business opportunity for startups in cloud computing.</p> <p style="text-align: center;">All India Business Plan Competition to be conducted in August 2015</p>

2016	<p>One week short-term training program (STTP) sponsored by ISTE on Modeling & Simulation of mechanical systems on 6th June to 10th June 2016</p> <p>NIET Technology Business Incubator through its student E-Cell of NIET Greater Noida had organized one day “IDEATION CAMP” on 23rd April, 2016</p> <p>One day technical workshop on internet of things in collaboration with PTC India on 10th June 2016</p>
2017	<p>International conference on “Advances in Computational Techniques and Research Practices” on 3-4 Feb. 2017</p> <p>International conference on “Cutting Edge Technological Challenges in Mechanical Engineering” CETCME-2017 on 18-19 February 2017.</p> <p>The conference was sponsored by DST, Govt. of India.</p>

TCS National Seminar on Cloud Computing (2015)



Seminar in Electronics & Communication Engineering Department (2016)



1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

NIET is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The University has a separate Board of Studies (BOS) for each discipline. Few senior faculty members from NIET are on the Board of Studies and have been trying to bring changes to the curriculum so that it can meet the expectations of industry in present scenario. Members from the Department of Civil Engineering, Computer Science, Mechanical Engineering, Electrical & Electronics Engineering, Chemistry, English and Bio-Technology as shown in table below are in BOS of AKTU, Lucknow. Regular feedback regarding the curriculum is obtained from alumni and teachers' regarding modernization of the syllabi and the University is informed about it, so that these can be incorporated in curriculum after proper deliberations. Specific feedback from different stake holders is generalized so that it can be incorporated in curriculum properly.

The Institute also sends feedback to the University through various forums like Director's Meet and VC's Meet etc. to maintain the integration between institution's goals and university's

curriculum. Additionally, the university invites suggestions from time to time for improvement of the courses being offered and the institute's faculty members send their suggestion through the Director to the University. The Board of Studies tries to incorporate such changes in curricula accordingly, after discussion among members during the meetings.

S. No.	Name of The Faculty Member	Member of BOS Or RDC	Name of the University	Year
1	Dr. Ravi Kant Singh	BOS, Biotechnology	UPTU, Lucknow; AKTU, Lucknow	2013 & 2015
2	Dr. Chandra Shekar Yadav	BOS: CSE	UPTU, Lucknow	2013 & 2014
3	Dr M P Jakhanwal	RDC: Civil Engineering	UPTU, Lucknow	2012
4	Dr. Ajay Kumar	BOS: Mechanical Engine	AKTU, Luckonw	2015
5	Dr. S. Gairola	BOS: Electrical & Electronics Engineering	AKTU, Luckonw	2015
6	Dr. K. P. Singh	BOS: Chemistry	AKTU, Luckonw	2015
7	Dr. Ghazala Naaz	BOS: English	AKTU, Luckonw	2015

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

'No' The institute doesn't develop curriculum for any particular course but keeping in view of the industrial needs the institute develop curriculum for personality development and cutting edge technologies.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- The Institute analyses and ensures that the stated objectives of the curriculum have been achieved through departmental meetings. The effective implementation of the curriculum is routinely analysed and necessary measures are taken in that regard.
- The Institute ensures the implementation of curriculum content by giving minor and major projects to the students and the feedback is taken from the external experts for further improvement.

- As per the syllabus prescribed by the university, the Institute organizes tutorial classes and quizzes. Assignments are given to the students to ensure the better understanding of the topic.
- The Institute conducts three class tests per semester to analyze the students' understanding of curriculum. On the basis of their performance in the tests, the poor performing students are identified and special classes are arranged for their improvement.
- Feedback from various stakeholders is used to design different soft skill straining programmes and value added courses.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

To supplement the academic curriculum the Institution runs a **Pyramid Finishing School (PFS)**, which was setup in 2008 to inculcate employability skills into students and cater to the specific requirements of the industry. Students are trained on various technologies as per the industry demands or market trend. **The programs under PFS is completely sponsored by the Institute.**

Goal of Pyramid Finishing School

The goal behind establishing Pyramid Finishing School is to bridge the gap between industry and academia by imparting required skills for employability of the students. The students are trained in a variety of skills and then assessed before showcasing them to the industry for final placement under the banner of Career Management Cell.

Objectives of the Pyramid Finishing School

To nurture the hidden talent of the students, so that they can compete in the world of industry through the skills and knowledge imparted to them under PFS. Whether it is about the life skills or technical aspects, the objective is to create well developed and groomed mind frame for their professional life ahead of their class room studies.

Statistics reveals that one requires 40% technical skills and 60% social etiquette, business etiquette and communication and networking skills to make advancement in one's career and personal life. PFS is a place where students are trained according to the industry requirements giving individual students a 360 degree improvement, not only in the areas like soft skills, life skills, technical skills and etiquettes but also in the area of time management, team-work and project management.

The initiation of this process in the early semesters of their core programmes results in a good amalgamation training and study of core curricula. Students are first assessed on their various skills and particular trainings are organized under PFS for bridging the gap that exists between students and the industry. Once the training and workshops are over, students are given opportunities to appear for the recruitment drives.

The concept has resulted in a steep increase in the employability of students. NIET has an excellent track record of frequent placement visits by the country's top notch employers resulting in the exponential growth in placement numbers over the years. India's leading MNC, Tata Consultancy Services has acknowledged the efforts made by the Pyramid Finishing School and it has suggested other institutes also to replicate the model.

What does PFS do?

PFS trains students on five dimensions, for their all-round development.

1. **Image Edge:** Projecting professional image, positive attitude, building a foundation for success and enhancing communication
2. **Techie Edge:** Tie-ups with Microsoft, Oracle, KPMG, ICICI Direct, etc.
3. **Sharpen Skills Edge:** Emotional intelligence, stress management, inspiring others & being a team leader, facing an interview
4. **Corporate Edge:** Business etiquette, board room etiquette & business body language.
5. **Fork Edge:** Dining etiquette/table manners & business/social etiquette

Industry Tie-ups

NIET has made tie-ups with MNCs like Microsoft, KPMG, ICICI Direct and Prometric/Pearson to enhance student employability.

- **NIET has become Microsoft Ed-vantage PLATINUM Partner and has established Microsoft Innovation Center** which is the first of its kind in the entire North India. The primary focus of the programme is to make students more employable and equip them with skills relevant to industry needs. This program has created 250 internships and 100 placement opportunities for the students of NIET in a year.
- **iOS Developer Apple University Program** is in collaboration with Apple Inc., California. As an iOS Developer University Program member, we have access to the GM version of Xcode, which includes the Xcode IDE, Instruments, iOS Simulator, and the iOS SDK. Students can participate in the forums to develop their own Apps, test them on iPad, iPhone and iPod touch and can publish on the Apple platform worldwide.
- **Cisco Network Academy** is an innovative education initiative that delivers information and communication technology skills and provides a wide range of career opportunities in the field of Internetworking to engineering students. Cisco Certified Network Associate (CCNA) is the prime course offered under this academy to NIETians.
- **KPMG** provides Six-Sigma Certification Course to the Management student which gets them jobs not only in KPMG but with its clients as well.
- **ICICI Direct Center for Financial Learning** provides Management students expertise in Capital Markets.
- **Amazon Web Services Educate** is Amazon's global grant based initiative to give NIET students hands-on experience with AWS technology & Cloud training resources.

- **PTC Academy: A Centre of Competence** has been developed for skill development, thus becoming the first ever college in the northern region to provide the Manufacturing giants with the fully skilled, trained & retainable manpower.
- **Pearson/Thomson Prometric Test Center:** The Institute is providing students a platform to take various certification examinations at a subsidized cost. Tests are conducted in a specially-equipped computer lab with video recording facility.
- **EMC²:** NIET has association with EMC's Academic Alliance program, on cloud computing. The global program is geared towards arming students with the knowledge necessary to differentiate themselves in the job market and improve their competitive advantage.

Inauguration of Microsoft Innovation Center



1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If ‘yes’, give details.

‘NO’

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- **Range of Core/Elective options offered by the University and those opted by the college**
- **Choice Based Credit System and range of subject options**
- **Courses offered in modular form**
- **Credit transfer and accumulation facility**
- **Lateral and vertical mobility within and across programmes and courses**
- **Enrichment courses**

The students are offered a number of elective options to gain improved potential for employability. Various electives of a programme are floated indifferent years by the respective departments as per the curriculum provided by the University.

The Choice Based Credit system is implemented in the Institute as per the guidelines of the University. A credit value is allotted to each subject.

Value aided courses are offered to students during summer vacations to help them get better placements.

1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

As per the terminology of AICTE/AKTU, NIET is a self-financed institute. All the programmes run by the Institute are self-financed programmes. The fee for all the courses is fixed by Fee Fixation Committee set up by the Government of Uttar Pradesh.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

‘Yes’. The Institute provides additional skill oriented programmes as per market needs. For the same, lots of facilities are developed in the Institute.

State-of-the-art Engineering Labs and Training Programmes

Apart from the regular academic labs, NIET has recently established 8 state-of-the-art engineering laboratories for teaching & training of the students. The whole idea is to bridge the gap between academia and corporate by giving real-time technical exposure to students. These engineering laboratories are as follows:

1. Internet of Things (IOT) using Raspberry Pi
2. Cloud Computing
3. Big Data & Analytics
4. Applied Robotic & Control Lab (ARC)
5. Product Design and 3D printing
6. Mobile Applications Development on Android Platform
7. Embedded & VLSI design Lab
8. PTC Lab

The labs have also been established for all the courses mentioned above to give real-time exposure to the students and strengthen train and hire model.

The below table list some of the training program:

S.NO	TRAINING PROGRAM	NO. OF BENEFICIARIES
1	Big Data & Internet Of Things(Advance)	34
2	Cloud Computing(Advance)	106
3	Embedded & VLSI Design(Advance)	96
4	Apple iOS(Advance)	84
5	PTC(Advance)	87
6	3D Printing	175
7	Angular JS/Node JS	75
8	Big Data & Internet Of Things (Basic)	246
9	Clinical Research & SAS	72
10	Digital Marketing	77
11	Plant Simulation	50
12	Robotics	46
13	Unix	19
14	VLSI & Embedded System	109
15	Web Development	44
16	Java	72
17	Oracle	78

18	Infrastruture Management System (IMS)	41
19	C Programming	50
20	Cisco Certified Network Associate (CCNA)	94

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

‘NO’

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

The Institute has a mission to impart its students high quality education, develop their skills, broaden their mental horizon and nurture them into competent and talented professionals to meet the challenges of the new millennium. It has a quality policy to develop highly skilled human resources.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

To fulfill the gap between the available curriculum and industry demands the Institute has developed various labs in collaboration with industries. The topics which are not covered in the University syllabi are covered through extra classes. Also, a separate period is scheduled for discussion about recent trends and techniques.

The students are encouraged to join the professional organizations like

- Computer Society of India (CSI)
- Indian Society for Technical Education (ISTE)
- Society for Automotive Engineering (SAE)
- Institute of Engineers (IE)

ICT based lectures and NPTEL are organized to benefit the students. In addition, techfest, project exhibition, industrial visits, technical quizzes, conferences, seminars, workshops, etc. are regularly organized.

Further, a regular corporate interaction weaves the threads to supplement the curriculum. This enhances the experience of students to cope up with the needs of the dynamic employment market.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

NIET has a good number of female students in every class. The Institute provides special care to female students, a secure separate hostel has been provided within the campus to ensure safety of the female students. The Institute has a Women Grievance and Redressal Cell to ensure the safety of female students and employees, and also subdue their problems. Self defense trainings are provided to female students and faculty members in collaboration with Aseem Nari Shakti.

The environmental education is catered in a detailed manner right from the first semester. They also form a part of curricula for different departments. Climate change is a part of environmental education and the topics like Green House Effect, Global Warming, Pollution, etc. are taught in great detail.

Though a course on Human Rights is not a part of engineering education, seminars and workshops are organized at regular interval to create awareness among student. Additionally “Human Values and Professional Ethics” is taught as a compulsory subject to all the students.

ICT (Information and Communication Technology) is often used as an extended synonym for Information Technology (IT). The students are made well versed with IT tools through regular labs. The students are taught cyber security as a compulsory subject.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- **Moral and ethical values**
- **Employable and life skills**
- **Better career options**
- **Community orientation**

The Institute runs many value-added courses/ enrichment programs round the year for holistic development. Some of them are as follows

- **Moral and ethical values**

- Students are trained on moral and ethical values under the Image-Edge, Corporate Edge and Fork-Edge program modules under Pyramid Finishing School at NIET.
- Daily in the morning & evening, prayers are organized in the ground with the holy music & rhythms to make students morally and ethically strong.
- Corporate Social Responsibility Programs such as TCS Fit4Run – For health awareness, Girls Self-Defense Training, Blood Donation Programs have been organized to fill the moral and ethical responsibilities towards the society.
- Workshops and seminars are organized at departmental level.
- **Employable and life skills**
 - Full-fledged Career Management Cell and Pyramid Finishing School are in function for preparing and deploying students in the industry.
 - Association with Microsoft, PTC, EMC², Apple, CARDEA LABS, Cisco, APS GmbH, KPMG, ICICI Direct, etc have been done for better employment opportunities.
 - Counselors guide students to opt for the right career. Mentors /departmental faculty members also assist students in shaping their career.
 - Motivational talks in association with the industry are organized.
- **Better career options**
 - Students are given all the updated information through information bulletin, notice boards, e-mails, telephonic calls about the current and latest career options in government, non-government, private and small scale industries.
 - College has tie-ups with various Training & Assessment organizations such as IOTA Cell, Alanze, Monkfox, Aspiring Minds, Cocubes.com, Monster.com, FirstNaukri.com, etc.
 - Eight special course curricula have been designed with state-of-the-art laboratories for the real time exposure to the students. This initiative has been taken to open the horizon of better career options for students.
- **Community orientation**
 - Students' Club: Students have various clubs to organise community-oriented programmes. Various clubs which are currently operated are as follows:
 1. Art & Paint Society
 2. Spic Macay
 3. Theatre Society
 4. Sports Society
 5. Green Gold Society
 6. Editorial Club

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

The curriculum laid out by the University is a sort of general enumeration of course content and a lot of areas can be covered in it if the time permits. NIET collects feedback from time to time from its stakeholders like students, teachers, industries, alumni and parents to enrich the curriculum. The feedback is usually incorporated in the teaching programmes at department levels and such additions are usually given to the students as part of value addition programmes.

For example the students of MCA with BCA qualification reported that they have already studied some of the subjects during their graduation and it would be more beneficial if they would be exempted from those papers and also the course duration should be two years. The suggestion was conveyed to the university and the same was finally incorporated in the course as MCA Lateral entry - a two year programme.

NIET is practicing online feedback system through ERP since academic session 2015-2016 so that the suggestions given by any of its stakeholders could be effectively implemented for enriching the curriculum.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

The evaluation of the quality of its enrichment programme is done through the students examination (multiple choice questions) and quizzes. Online testing programmes have also been designed keeping in mind the need of the industry.

The Institute monitors and evaluates the quality of its enrichment programmes by getting feedback during and at the end of the programme. If needed, corrective measures are taken and finally the outcome of the programme is assessed by comparing the outcomes of the reputed institutions.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The University has a separate Board of Studies for each separate discipline. The Board of Studies is headed by professors and senior faculty members. Senior staff members from NIET are the members of Board of Studies and have been trying to bring changes to the curriculum so that it can meet the expectations of industry in the present scenario. Members from the Department of Civil Engineering, Computer Science and Bio-Technology are in BOS.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If ‘yes’, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

For the optimum use of the curriculum and thereby benefitting the students the most, the Institute’s authority takes feedback from HODs, Deans and the students of different branches. Though the Institute is not authorized to change the University syllabi, we have a policy to discuss all the emerging topics in different fields by organizing workshops, guest lectures, seminars and conferences.

The Institute communicates all the information to the University through college login provided by the University on its website.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

Keeping in mind the need of industry, NIET introduced the following courses in the last four years:

S. No.	Name of the programmes/courses	Year of introduction
1	B.Tech. (Bio-Technology)	2012
2	M. Tech. (Power Electronics)	2012

Any other relevant information regarding curricular aspects which the college would like to include.

‘NO’

CRITERION II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

Since its inception in the year 2001, NIET has earned a name for itself. More than 6000 students who are on campus and 10000+ alumni who are the brand ambassadors of NIET ensure publicity. The Institute also ensures its publicity during admission process through print and digital media. Print Media includes information brochure, advertisement in daily news paper, magazines, hoardings, bill boards and coffee table books. Digital Media includes advertisement on educational websites, major e-portals and search engines. Further, the satisfaction of all the stakeholders also plays an important role in the publicity of the Institute.

The bulk of admission in the Institute i.e. 85% is controlled by the university by conducting Uttar Pradesh State Entrance Examination (UPSEE). The students take admission through a centralized counseling based on their merit in UPSEE. The admission in the Institute for the remaining 15 % seats is ensured through Management Quota based on their merits as well as their performance in test conducted by NIET. As the maximum seats are filled through counseling the Institute maintains transparency by abiding by the rules of the University. For the vacant seats the admission process has been made very transparent by advertising it on the website of the Institute (www.niet.co.in) and leading newspapers.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Admission to B. Tech./MBA/MCA

Admission process is already explained in the point 2.1.1. The Institute follows the guidelines available in the Information Brochure of UPSEE-2016. (www.upsee.nic.in).

Admission to M. Tech.:

Admission to M. Tech is ensured through entrance examination conducted by Dr. APJ Abdul Kalam Technical University, Lucknow and the scores of GATE are also considered.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The comparison of admission in different programmes and among different colleges can be made on the basis of Maximum and Minimum UPSEE rank secured by the admitted students in different programme of this Institute and other colleges. The quality of students admitted through

Management Quota and on the vacant seats is justified on the basis of their marks secured in the 12th class in the respective boards.

QUALITY OF INTAKE
MAX/ MINRANKOFCOUNSELLINGOF UPSEE QUALIFIERS: B.TECH 2016

Course/ Branch	NIET		Dronacharya		IIMT		United		IILM	
	Opening Rank	Closing Rank	Opening Rank	Closing Rank	Opening Rank	Closing Rank	Opening Rank	Closing Rank	Opening Rank	Closing Rank
B. Tech (Civil)	22178	91270	38959	38959	NA	NA	52874	93140	37150	37150
B. Tech (CSE)	6580	20977	34652	118101	10055	89589	13307	53830	54541	107344
B. Tech (IT)	23088	47378	NA	NA	104269	104269	14701	14701	NA	NA
B. Tech (EN)	23203	126400	NA	NA	NA	NA	21152	126169	NA	NA
B. Tech (ECE)	23751	93646	104381	104381	34135	112569	39886	115488	NA	NA
B. Tech (ME)	18475	60427	38834	66844	91226	91226	28452	105703	69266	127763
B. Tech (Chemical)	30752	121739	NA	NA	NA	NA	NA	NA	NA	NA
B. Tech (Bio-Tech)	225	1027	NA	NA	NA	NA	NA	NA	603	3051
MBA	989	7441	2320	2320	3934	5516	4682	4682	3032	4948

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

‘Yes’. NIET evaluates its admission process annually to review students’ potential in the University semester examinations as per the given mechanism:

- Department Review Committee headed by HOD for analysis of student’s University result.
- College Review Committee headed by Director takes feedback from individual Department Review Committee and set the trend for admission process after taking due approvals from Management.
- The Outcome of the complete process has resulted into a transparent quality system which has tremendously affected the quality of intake from past two years on a positive note.

2.1.5 Reflecting on the strategies adopted to increase/ improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/ reflect the National commitment to diversity and inclusion

1. **SC/ST**
2. **OBC**
3. **Women**
4. **Differently abled**
5. **Economically weaker sections**
6. **Minority community**
7. **Any other**

The admission policy of the Institute regarding the categories mentioned above is governed by the policies and the guidelines of Dr. APJ Abdul Kalam Technical University, Lucknow and Uttar Pradesh state government (Refer to the points 2.1.1 and 2.1.2 and the Information Brochure UPSEE, UPTU, 2016 criterion/point 9 URL

https://upseeuptu2015.in/uptu_exam/pdf/Brochure_UPSEE_2015_New.pdf).

The last two years admissions have shown remarkable improvement in Quality of intake across the board. Today NIET, Greater Noida is known for transparent admission process duly acknowledged and appreciated by the education fraternity.

Apart from the guidelines the college management encourages admissions of weaker sections of society and girls students under Management Quota to uplift those facing challenges of the new millennium.

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Programme Level	Name of the Programme	2015-16		2014-2015		2013-2014		2012-2013	
		Sanctioned intake	No. of students admitted	Sanctioned intake	No. of students admitted	Sanctioned intake	No. of students admitted	Sanctioned intake	No. of students admitted
Under- Graduate B.Tech	CS – 1st Shift	180	180+9*	180	180+5*	180	180+8*	180	180+9*
	CS – 2nd Shift	60	60+3*	60	60+2*	60	53	60	60+3*
	EC – 1st Shift	180	117+9*	180	119	180	180	180	180+9*
	EC – 2nd Shift	60	43+3*	60	43	60	17	60	60+3
	IT	120	115+6*	120	119	120	79	120	119+6*
	ME – 1st Shift	180	155+9*	180	180+7*	180	180+8*	180	180+9*
	ME – 2nd Shift	60	57+3*	60	60+3*	60	60+3*	60	60+3*
	EN – 1st Shift	180	122+9*	180	111	180	132	180	180+7*
	EN – 2nd Shift	60	42+3*	60	20	60	8	60	60+1*
	CE	180	180+9*	180	179	180	180+9*	180	180+6*
	CH	60	37+3*	60	29	60	15	60	36
BT	60	47	60	47	60	31	60	36	
Post-Graduate (M.Tech)	Software Eng.	18	0	18	2	18	2	18	15
	CSE	24	8	24	8	24	23	24	24
	VLSI	18	4	18	2	18	5	18	18

	Tel. Comm. Eng.	18	3	18	4	18	1	18	15
	CAD	18	0	18	3	18	3	18	1
	Power Electronics	18	0	18	4	18	5	18	11
	ME	24	3	24	9	24	5	24	11
Post-Graduate	MBA	180	123	180	76	180	137	180	172
	MCA	60	16	60	21	60	49	60	43

* FW Category (5% Extra Seats in B.Tech Programme)

The Following are the trends observed and reasons for it:

- Computer Science Engineering & IT branches outlook was positive, due to huge job opportunities in the country. 100% seats were filled during last couple of years. The Institute established cutting-edge technologies lab to satisfy the growing needs of the industry.
- Electronics & Communication Engineering branch was neutral as student prefer entering into digital space through this branch. Approx 95% above seats were filled. Labs like IOT, VLSI & Embedded technology are established keeping in mind the changes happening in the branch.
- EN, ME, CH and MBA branches saw a significant decline due to less job opportunities and Infrastructure & Manufacturing sector & having negative growth in the industry. As all four branches shown decline in admission Director (P&P) had set-up a team to identify areas of improvement so corrective measures can be taken.
- In MCA, the course duration was reduced to two years for BCA candidates by introducing lateral entry to second year due to which a decline is observed in the first year admission.
- In Biotechnology, the admissions are improved this time because the students of Bio and Maths groups are also eligible to take admission in these branches and again these courses are in demand.
- In PG courses, a decline in the admission has been observed due to some frequent changes in the admission policy of the University. Although, the Institute has policy to attract the PG students and there is a provision for scholarship for eligible students.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently abled students and ensure adherence to government policies in this regard?

NIET deems itself to be fit to cater the needs of differently abled students by adhering to the guidelines of AICTE and Dr. APJ Abdul Kalam Technical University, Lucknow. University gives a weightage of marks to differently abled students for admission. Under the management quota the same rule is followed. In conformity with the government policies we consider persons with disabilities as valuable human resource. For facilitating differently abled students short ramps with assistive devices have been provided. Lifts have been installed in all the blocks of the Institute and such students can easily manoeuvre themselves independently wherever his/her theory and practical classes are being held. The Institute administration and the students take special care of such students. The Career Management Cell also takes care of such students and helps them get placed in suitable & appropriate corporate houses.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

'Yes'. The Institute does assessment in two stages before commencement of classes as given below:

- During admission process all Management Quota admits undergoes an online aptitude test, English test followed by personal interview.
- The Institute distributes assignment based on the fundamental questions of Mathematics, Physics, Chemistry and English to the admitted students on the admission day and asks them to submit assignment on the first day of the session. The faculty members evaluate these assignments and find out the student's weak areas. The college administration prepares a list subject wise of these students in which they are weak and arrange classes for them under WSDP. In this way the students will be able to cope up with their weak areas with the help of experienced teachers. In addition to this, the Institute also organizes orientation classes for newly admitted students on the fundamental subjects at Khan Academy which is a lab established under MOOCs (Massive Open Online Courses).

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/ Remedial/ Add-on/ Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

The Institute has WSDP (Weak Student Development Program) which is based on feedback through Assignments, Sessional Marks and overall conduct of the student, weak students are identified for which Institute arrange special classes focused on specific subject matter, also conducts aptitude and life skill sessions for impactful & effective bridging of the knowledge gap.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Programmes on Gender Inclusions are conducted and monitored by Women Grievance Redressal Cell (WGRC) giving insights to all students regarding gender equality and also exposing them towards protection laws of the Indian penal court. Under this initiative Institute also distributed Tejaswini Awareness book to all students published by the District Authorities.

Time to time sensitization programmes on environmental issues are conducted by Dean-Student Welfare, which includes, Tree plantation, Save water campaign, Save electricity campaign & related issues. The institute has also take-up a leadership program for alignment and performance in changing scenario with GALLUP India.

2.2.5 How does the institution identify and respond to special educational/ learning needs of advanced learners?

A decade ago, Management at NIET established Pyramid Finishing School with a vision to create an effective bridge addressing the GAP between Academia and Industry. Under which all students are assessed by Aspiring Minds, Cocubes, Meritrac and students undergo advanced training programmes through industry experts, based on assessment feedbacks.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

The Institute conducts several tests and the marks of these tests and other pieces of information like attendance, etc are entered and stored into the database through ERP. On the basis of these records, the guardians of the students are continuously informed about the progress of their wards. The students are also given counseling by mentors so that they do not feel frustrated or dropout from the courses. The slow learners are given extra classes in the evening hours and are continuously encouraged to keep working hard. The physically challenged students are provided with all modern assistive devices so that they could manage themselves to reach their classes and labs. There is no disparity between the rich and the poor. The economically weak students get all the benefits equally from the Institute and are provided financial support from government as per the University guidelines. The governing body of the institute helps economically deprived students by waiving their fee and providing free hostel facility.

The Institute also schedule life skills classes to motivate students to perform better, the initiative come under TSDP (Total Student Development Program).

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organise the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)


Before the commencement of the classes, the teachers are asked to prepare lecture plan where in the detailed syllabus is divided into various topics as per the total lectures likely to be available in the semester. They also prepare their lecture notes as well as PPTs to be useful in teaching-learning process.

Director and Deans prepare the academic calendar, which is discussed in the meeting of academic committee of the Institute and valid suggestion, if any, is incorporated. The schedules

of session tests are fixed in the academic calendar along with the marks allotted for the sessional tests.

Also refer to the point 1.1.2.

(*Academic calendar for the year 2016-17 along with model teaching plan is attached herewith)




NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, GREATER NOIDA

19, Knowledge Park-II, Institutional Area, Greater Noida, (U.P.)

Academic Calendar, Odd Semester, Session (2016 - 2017)

Vision → To be an institute of academic excellence in the field of education, with future plan of becoming a deemed university, earn name and hence win faith of the society.

Mission → To impart to its students a high quality education, develop their skills, broaden their mental horizon and nurture them into competent and talented professionals to meet the challenges of the new millennium.



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July-2016							August-2016							September-2016							October-2016													
Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S							
					1	2	1	2	3	4	5	6	1	2												1								
3	4	5	6		8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	16	17	18	19	20	21	22
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24	23	24	25	26	27	28	29	30	31					
24	25	26	27	28	29	30	28	29	30	31				25	26	27	28	29	30	31	30	31												
31																																		


November-2016							December-2016						
Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S
		1	2	3	4	5			1	2	3		
6	7	8	9	10	11		4	5	6	7	8	9	10
13	14	15	16	17	18	19	11	12	13	14	15	16	17
20	21	22	23	24	25		18	19	20	21	22	23	24
27	28	29	30				25	26	27	28	29	30	31

Month	Dates of Teaching Days (2nd, 3rd & 4th Year)	No. of Teaching Days	No. of Lectures Hours
Jul-16	27,28,29	3	
Aug-16	1,2,3,4,5,6,8,10,11,12,16,17,18,19,22,23,24,26,29,30,31	21	
Sep-16	1,2,3,4,7,8,9,12,13,14,16,18,22,23,26,27,28,29,30	18	
Oct-16	3,4,5,6,7,10,12,13,14,17,18,19,20,21,24,25,26	17	88x7
Nov-16	2,8,9,10,11,14,15,16,17,18,21,22,23,24,25	15	
Total		75	
Sessional Examinations		13	
Total Teaching Days		88	616

Month	Dates of Teaching Days (1st Year)	No. of Teaching Days	No. of Lectures Hours
Aug-16	16,17,18,19,20,22,23,24,26,27,29,30,31	13	
Sep-16	1,2,3,4,7,8,9,10,12,13,14,15,16,17,22,23,24,26,27,28,29,30	22	
Oct-16	1,3,4,5,6,7,8,10,12,13,14,15,17,18,19,20,21,22,24,25,26	21	88x7
Nov-16	7,8,9,10,11,12,14,15,16,17,18,19,21,22,23,24,25	17	
Total		73	
Sessional Examinations		13	
Total Teaching Days		86	687


<ul style="list-style-type: none"> ■ Eid-ul-fitre (depends on visibility of moon) ■ Registration & Commencement of Classes II, III & IV year ■ Independence day celebration ■ Orientation program & Commencement of 1st year classes of all Branches ■ Janmashtami Holiday ■ Fresher's Function (1st Year) 	<ul style="list-style-type: none"> ■ Display of 1st sessional, 2nd sessional and PUT marks ■ Mahatma Gandhi's Birthday ■ Dushahara Holiday ■ Founder's Day ■ Christmas Day 	<ul style="list-style-type: none"> ■ Dates for 1st and 2nd sessional examinations ■ Fee deposition ■ Holiday on account of Diwali ■ Saturday Off ■ Pre University Test (PUT)
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कर्म ही दीन है। कर्म ही ईमान है। कर्म ही पूजा है। कर्म ही धर्म है।। -डा. ओ.पी. जयपाल (एन.ई.)



NIET
Estd. 2001

NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, GREATER NOIDA
19, Knowledge Park-II, Institutional Area, Greater Noida, (U.P.)
Academic Calendar, Even Semester, Session (2016 - 2017)




www.niet.co.in

Vision

To be an institute of academic excellence in the field of education, with future plan of becoming a deemed university, earn name and hence win faith of the society.

Mission

To impart to its students a high quality education, develop their skills, broaden their mental horizon and nurture them into competent and talented professionals to meet the challenges of the new millennium.



January-2017							February-2017					March-2017						April-2017							May-2017																																										
Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S	Su	M	T	W	Th	F	S																																	
1*	2*	3*	4*	5*	6*	7*	1	2	3*	4*	5	6	7	8	9	10*	11*	12*	13*	14*	15*	16*	17	18	19	20*	21*	22	23	24*	25*	26	27	28	29	30	31	1*	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
8*	9*	10	11	12	13	14	5	6	7	8	9	10*	11*	12*	13*	14*	15*	16*	17	18	19	20*	21*	22	23	24*	25*	26	27	28	29	30	31	1*	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
15	16*	17	18	19	20	21	12	13*	14*	15	16	17	18*	19	20*	21*	22	23	24*	25*	26	27	28	29	30	31	1*	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30											
22	23	24	25	26*	27	28	19*	20*	21*	22	23	24*	25*	26	27	28	29	30	31	1*	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																		
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June-2017						
Su	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26*	27	28	29	30	

Month	Dates of Teaching Days (B. Tech 1st year)	No. of Teaching Days	No. of Lecture Hours
Jan-17	9,10,11,12,13,14,16,17,18, 19, 20,21,23,24,25,27, 28,30,31	19	97X7
Feb-17	1,2,3,4,6,7,8,9,15,16,17,18, 20,21,22,23,25,27,29	19	
Mar-17	1,2,3,4,6,7,8,17,18,20,21,22, 23,24,25,27,28,29,30,31	20	
April-17	1,3,4,5,6,7,8,10,11,12,13,14, 15,17,18,19,20,21,22,24,25, 26, 27, 28	24	
Total		82	
Sessional Examinations		15	
Total Teaching Days		77	679

Month	Dates of Teaching Days (B. Tech 2nd & 3rd year, B. Pharm (1st, 2nd & 3rd year), MBA (1st year) and MCA (1st & 2nd year))	No. of Teaching Days	No. of Lecture Hours
Jan-17	9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 23, 24, 25, 27, 30, 31	16	84X7
Feb-17	1, 2, 3, 6, 7, 8, 9, 15, 16, 17, 20, 21, 22, 23, 27, 28	16	
Mar-17	1, 2, 3, 6, 7, 8, 17, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31	17	
April-17	3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 24, 25, 26, 27, 28	20	
Total		69	
Sessional Examinations		15	
Total Teaching Days		74	568

Month	Dates of Teaching Days (B. Tech & B. Pharm (4th year), MBA (2nd year))	No. of Teaching Days	No. of Lecture Hours
Jan-17	16, 17, 18, 19, 20, 23, 24, 25, 27, 30, 31	11	79X7
Feb-17	1, 2, 3, 6, 7, 8, 9, 15, 16, 17, 20, 21, 22, 23, 27, 28	16	
Mar-17	1, 2, 3, 6, 7, 8, 17, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31	17	
April-17	3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 24, 25, 26, 27, 28	20	
Total		64	
Sessional Examinations		15	
Total Teaching Days		79	553

<p>a Winter Vacation</p> <p>b Registration & Commencement of Classes of B. Tech/ B. Pharm (1st, 2nd & 3rd year), MBA (1st year) & MCA (1st & 2nd year)</p> <p>c Registration & Commencement of Classes of B. Tech/ B. Pharm (4th year), MBA (2nd year), MCA (3rd year)</p> <p>d Republic day celebration</p> <p>e International Conference by CSE department</p>	<p>f Dates of 1st Sessional Test</p> <p>g International Conference by ME department</p> <p>h Last date for evaluation of 1st sessional answer sheets</p> <p>i Display of 1st sessional marks</p> <p>j 1. Alumni meet 2. Parents-Teachers meet</p> <p>k Performance Review of 1st sessional marks</p> <p>l Dates of 2nd Sessional Test</p>	<p>m Holi (Holidays)</p> <p>n Last date for evaluation of 2nd sessional answer sheets</p> <p>o Display of 2nd sessional marks</p> <p>p Tech-fest & Sports meet</p> <p>q Performance Review of 2nd sessional marks</p>	<p>r Dates of PUT</p> <p>s Tentative date of University Examination 1st-4th-Fitar</p> <p>t Holiday on account of Mahashivratri</p>
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Note: All the Saturdays will be teaching days for B. Tech (1st year)

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—डा. ओ.पी. अग्रवाल (एम.डी.)

2.3.2 How does IQAC contribute to improve the teaching-learning process?

Since quality enhancement is a continuous process, IQAC (Internal Quality Assurance Cell) becomes a part of the institution's system and works towards realization of the goals of quality enhancement and sustenance. The Institute has the following quality policy:

“Our quality policy is to develop highly skilled human resources with the ability to adapt to an intellectually and technologically changing environment with the participation efforts of the management, faculty members, students and parents.”

Institute also has three Quality Programmes to improve overall Quality standards of all the stakeholders. These programmes are given below:

- CWQIP – Campus Wide Quality Improvement Program
- TSDP – Total Student Development Program
- WSDP – Weak Student Development Program

Institute is also awarded “A Great Place to Study” by Skill Tree consortium at House of Common, London (UK).

The teaching-learning process is the basic parameter for this institution and IQAC ensures quality enhancement in the process. During the post-accreditation period, the IQAC channelizes

all efforts and measures of the institution towards promoting its academic excellence. ISO 9001:2015 is enforced in the institute.

The major Outcome of the above mentioned process is NIET, Greater Noida Awarded with “**National Employability Award**” from past 3 years by Aspiring Minds.

2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning.

Student-centric learning is implemented through focus on skills and practices that enable students for lifelong learning and independent problem solving. NIET puts students’ interest first.

In order to implement a system where teacher acts as a facilitator, the student-teacher ratio has been kept as per the norm. Tutorials have been introduced with class strength of 30 students. The students are encouraged to play active role. Students are encouraged to come prepared to classroom to discuss their problems with fellow students and the teachers. The students-centric learning in the Institute is in its earlier stage and can become practical only after some time. The students are made to participate in a group in the activities like seminar, presentation (both individual and group), and industrial visits so as to develop their collaborative learning. The mentor-mentee programme is practiced to nurture a close relationship between faculty members and students. Institute focuses on shift from Pedagogy to Andragogy in which lots of FDP & SDP are organized for effective transformation.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The Institute continuously supports students through different programmes, events and e-tutorials under TSDP (Total Student Development Program) to strengthen their skillful analyzing and assessing attributes contributing to critical thinking. It also conducts life skill sessions for making them venerated probing, observing, physical reality & communicating contributing to scientific temper (a way of life). The few programmes/ instructions are given below:

- The students are given projects on real life applications
- The students are taught topics which are beyond curriculum to inculcate scientific and technical temper
- Students are encouraged to go for summer training and internship
- Events on Robotics are organized by the Institute to nurture the technical, creative and scientific temper of the students
- The Incubation Center at the Institute plans to develop new entrepreneurs
- Guest lectures of eminent personalities from industry
- Various societies under student welfare
- Creative Design Cell organizes the competitions for motivating innovation
- Focus on Practical Based Learning and Project-Based Learning

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Technologies and facilities available and used by the faculty:

- Computers/ laptop with internet facility in all departments
- MOOC (Khan Academy, Udemy, edx.org)
- Use of OHP/ LCD projectors for animations and PowerPoint Presentation
- Access to e-journals apart from print journals
- Open educational resources through e-learning
- Foreign Language labs(Japanese and German)
- Smart class rooms
- Expert lectures
- Audio-visual aids in classrooms
- Video conferencing facility
- Faculty Training and Development Cell
- Well stocked library resources with standard books and NPTEL materials
- The institute is a part of National Mission on Education through Information and Communication Technology (NME-ICT) through virtual lab in collaboration with IIT, Delhi and NITTTR, Chandigarh.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

Total Student Development Program (TSDP) is designed to address the advanced level of learning to students under few mentioned initiatives.

- **Hands on Training** - Learning through practice
- **Industrial Visits & Interaction** - Linkages with industries and interaction with successful role models
- **Innovation Labs** - 8 state-of-the-art engineering laboratories for providing real-time technical exposure to the students
- **Exposure to ICT Facilities** - Training programs in modern technologies through visiting faculty and researchers from premier educational institutes.
- **The Services of Experts** - Obtaining the services of experts from premier institutions
- **Specialized Training** - Students are provided specialized hands on training by Industrial Research Organizations, Non-Governmental Organization and Central Organizations
- **Seminars and Lectures** - Students and faculty attend Seminars, Workshops and Lectures organized by the respective departments related to their subject as well as inter disciplinary areas
- **MoUs** - MoUs with industries for training & research.

Faculty Development Programs are organised regularly to upgrade their skills professionally and life skill classes are conducted to keep them motivated for better productivity and positive outcomes. Faculty members are regularly exposed over Vision/Mission and Quality policy of the Institute for effective alignment.

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling / mentoring / academic advise) provided to students?

The Institute hires professional student counselors who interact with each and every student to keep them motivated thus resulting in a ‘wholesome’ employable product, all set to face the world. NIET also provides guidance and support to its students by deputing class coordinators and two mentors (30 students each) for every section. These coordinators and mentors monitor the growth of the students. They counsel the students in need. The parents are also informed time to time about the progress of their wards. The students are also guided by the Director, Heads of the departments and various Deans.

The Institute has a Head, Consulting to provide counseling to the students regarding Indian Administrative Services (IAS) and other competitive exams.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The major emphasis is given to move from Pedagogy to Andragogy for better understanding of the topics taught by the faculty members. Few initiatives are mentioned below:

S.No.	Teaching Approach	Impact
1	Learning Space	Improvement in Results/ Understanding
2	Subject based quiz	Competitive Learning/ Appreciation from students
3	Open book test papers	Widens knowledge base and promotes reading
4	Weak Students Development Program (WSDP)	Additional classes for slow learners and weak students.
5	3D labs	Deepens the level of understanding
6	Entrepreneurial Learning Methodology	Learning by doing
7	Industry tie-ups	Enhance student employability and encourage innovative learning
8	Digital Studio	The Institute had established a state of art Digital Studio to record stellar faculty members and making their video available on cloud space for easy and effective access

2.3.9 How are library resources used to augment the teaching- learning process?

The central library of the Institute has ample books, journals, e-books, e-journals and magazines to facilitate the students. The library loans textbooks under TBL scheme for an entire semester. Besides TBL, every student can borrow 2 books on their library cards. The library is kept open throughout the week from 9 AM to 10 PM for the optimum use of the resources. Every faculty member can borrow 5 books at a time on their library cards. The reprographic facility is also available in the library. More conduct of seminar and paper presentations by the students encourages them to visit the library. Every year a book fair is organized in the Institute to accumulate more titles of different subjects in the library. These policies related to library are the effective ways to enhance the teaching-learning process. There is an exclusive study room available for students in the library complex.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If ‘yes’, elaborate on the challenges encountered and the institutional approaches to overcome these.

“No.” The Institute has an exemplary work culture and hence the academics go smoothly. Most of the time, the Institute covers the curriculum in the given frame of time. But whenever there is difficulty in covering the curriculum, extra classes are conducted on Saturdays and special classes are also conducted between 5 to 7 pm.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

Monitoring of complete teaching learning process is the responsibility of the Heads of Departments and the Deans deputed for the same purpose under leadership of the Director. The marks obtained by the students in sessional tests are analysed. On the basis of marks scored, students are then categorised in different groups. The Institute takes a well structured feedback from students about teaching process and resources. Depending upon feedback, the quality of teaching can easily be assessed. Learning outcomes are, however, best decided by the analysis of session and end-semester results. The class attendance & marks are updated regularly on the ERP portal by the concern faculty member. This helps in monitoring the class conduction and status of subject completion.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

The Institute has Professors, Associate Professors and Assistant Professors as shown in the table below. The recruitment is open throughout the year to recruit qualified and competent faculty members. They are given extra perks and facilities for retention. The list of faculty members can be referred at article 20 of Section B.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/modern areas (emerging areas) of study being

introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

Scarcity of qualified senior faculty members has always been a challenge not only in emerging fields but also in well established areas of study. This scarcity has arisen because of continuous increase in the number of teaching institutions. NIET tries to retain the senior faculty members by creating healthy environment, incentives and rewards. The faculty members are encouraged to participate in training programmes/FDPs, workshops, seminars, research and conferences in their respective areas. Eminent resource persons from the prestigious institutes and corporate sector are invited to deliver expert lectures on the latest trends and challenges of industry. Special/customised training programmes are also organized for the faculty members to make them up-to-date. The Institute regularly advertises the post for senior faculty members and interviews are organized twice a year to fill the scarcity if any.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

Faculty and staff members of various departments of the Institute participate in Staff/Faculty Development Programmes quite frequently. The Institute also encourages participation and active role of faculty and staff members in such programmes by giving various incentives and leaves, in order to enhance the teacher quality of the Institute.

a) Participation of faculty members in staff development programmes in the last four years:

Academic Staff Development Programmes	Number of faculty participated
Refresher courses	35
HRD programmes	139
Orientation programmes	68
Staff training conducted by the university	17
Staff training conducted by other institutions	117
Summer / winter schools, workshops, etc.	225

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- **Teaching learning methods/approaches**
 - Faculty members use various delivery methods to deliver the courses such as lecture through PowerPoint presentation, andragogical teaching and the use of e-resources like EDUSAT, NPTEL, etc. These methods are found to be very effective and self explanatory as expressed by students.
- **Handling new curriculum**
 - The Institute has experienced & qualified faculty members to handle the new curriculum effectively. Each time before the start of each semester, a format is circulated among the faculty members for the allocation of subjects. The faculty members have to fill the choice of various subjects desired to be taught by him/her based on experience and previous result of the subject. Finally the HoD allocates the subject in accordance with the area of specialization and previous performance of the faculty member.
- **Content/ knowledge management**
 - Faculty members are encouraged to attend the National & International seminars, workshops and FDPs. Faculty members are also encouraged to involve themselves in making the review of papers of various journals of national and international repute and also present papers in seminars.
- **Selection, development and use of enrichment materials**
 - The Institute organizes the technical and non-technical events such as entrepreneurship awareness camp, innovation meets, conferences, seminars, workshops, faculty development programmes (FDP) and summer & winter trainings.
- **Assessment**
 - The faculty members are encouraged to implement the new technologies learnt by them during FDPs through projects/research work. The outcome is assessed by the department project committee through publications in the journals.
- **Cross Cutting issues**
 - Equal opportunities are given to both male and female faculty members. No discrimination is made on the basis of sex, caste, creed, religion, region, language, etc.

- **Audio Visual Aids/multimedia**

- Our classrooms are equipped with LCD Projection Systems and whiteboard. These facilities surely enhance lecture delivery and effective communication. This procedure offers a pictorial & three-dimensional presentation for clear understanding of the concepts.

- **OER's**

- The faculty members and students are made aware of the availability of open educational resources (NPTEL lectures, online journals, virtual labs, etc.) and are encouraged to access and make use of them.

- **Teaching learning material development, selection and use**

- Faculty members are encouraged to prepare lecture notes (soft and hard copies) from various reference books, OERs and to make them available to students. The faculty members have free access to internet, which helps them to collect learning material. NIET also organizes seminars, conferences, guest lectures, etc., which help as learning sources for the faculty members.

c) Percentage of faculty

- Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies **2.05%**
- Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies **37.1%**
- Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies **18.44%**

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The Management is committed to professional development of the faculty members on continuous basis. The faculty members are encouraged to attend seminars/ national/international conferences/training programmes. Faculty members are also encouraged to visit the Industry and other agencies according to the requirement of the projects. NIET motivates its faculty members to pursue higher education for upgrading their qualifications, for instance, for pursuing Ph.D, there is a provision of adjustment of classes and study leave. Faculty members are given monetary rewards for their publication in SCI index journal. The Institute reimburses 50% of the membership fee of the professional bodies for the faculty members. Every year one faculty member from a department is selected for a paid tour package by the Institute.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/ achievement of the faculty.

S.No.	No. of The Faculty Members	Awards	Organization	Year
1	Dr Ajay Kumar	Best Paper Award	Indian Foundry Association, Gandhinagar (Gujarat)	2014
	Ms Daizy Rajput			
	Dr Sudhir Kumar			
2	Prof S Gairola	Takniki Shikshak Samman (Guru Vandan)	Rashtriya Shakishk Maha Sangh	01/10/2016
3	Dr. Somesh Kumar	Takniki Shikshak Samman (Guru Vandan)	Rashtriya Shakishk Maha Sangh	2016
4	Dr. Satyendra Sharma	Honored Shikshak samman by Honorable Minister Mahesh Sharma	National Teachers association Uttar Pradesh at ITS Engg. College Gr. Noida	01/10/2016
5	Dr. C. S. Yadav	Honored Shikshak samman by Honorable Minister Mahesh Sharma	National Teachers association Uttar Pradesh at ITS Engg. College Gr. Noida	2016
6	Dr. Praveen Pachauri	Honored Shikshak samman by Honorable Minister Mahesh Sharma	National Teachers association Uttar Pradesh at ITS Engg. College Gr. Noida	2016
7	Mr. Dharamendra Yadav	Shikshak samman by Honorable Minister Mahesh Sharma	ITS Engg. College Gr. Noida	2016

The above awards received by NIET faculty members became possible because of:

- Research outlook of the institute

- Encouragement for the publications
- Presence of innovative and technology oriented groups
- Availability of research infrastructure and facilities

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes, the Institute has introduced an evaluation of teachers by the students and external peers. In each semester the feedback from the students and other stakeholders is collected regarding the subject taught by a faculty. These feedback forms are reviewed and analyzed by the Director and the HoD of respective department. Faculty members having positive feedback are acknowledged and the ones having poor feedback are counseled by the Director and the Head of Department for future improvement.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The students are made aware of the evaluation process during their orientation programme. The orientation programmes are also conducted for new faculty members to make them aware of the evaluation scheme provided by the affiliating university and the evaluation process to be followed during the semester. The evaluation includes the assessment of performance in the end-semester examination conducted by the university, sessional test examination, tutorials and attendance of the student in class.
- Regular meetings are conducted by the HOD to explain complete evaluation process to every faculty member.
- The students are informed about the evaluation process through evaluation scheme and solution of question paper.
- Faculty feedback is communicated to faculty members for further improvements.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

At the University level

- Announcement of tentative examination schedule by university for the end-semester examination on University website for seeking suggestions/ observations by the Institutes.
- Selection of possibly one question paper from multiple sets of question papers.

- Assurance of conduct of fair examination as per schedule.
- University earmarks Nodal Centers, Provision of Flying Squads, Centre Controllers and Centre Superintendents for smooth conduct of the university examination.
- Effectively following the central evaluation scheme.

At the Institute level

- Faculty members are advised and monitored to organise special quiz type and subjective type session examination papers for the improvement of results.
- To monitor the attendance of the students online and to inform the parents of the students so that they are also actively involved
- Maintenance of session marks records of students online through ERP
- To conduct improvement/Re-test for poor performing students after attending WSDP classes

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

Being an affiliated institute, NIET strictly follows the guidelines provided by the University. For the theory examination, the University conducts centralised evaluation and the institutions like us deploy their experienced faculty members to evaluate answer scripts as per the instructions of the Head Examiner appointed by the University. For the practical examination, the Institute assists the examiners appointed by the University.

Also, the Institute conducts three sessional tests and one internal practical examination. The faculty members evaluate the answer scripts and upload the marks on the University website as per the university norms.

To improve the attendance and track the performance of the students, the mentors call the parents and keep the record in Student Performance Report (SPR). The automated SMS are sent through ERP to the parents of concerned students if the attendance falls below 75%.

The departments maintain record of initiatives and reforms in Department Performance Report (DPR).

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

Formative Assessment:

The formative assessment is used to monitor students' learning in respect to their skill development and to provide feedback regarding faculty's lecture quality to improve their teaching and simultaneously to improve the learning of students. The following parameters are used for formative assessment:

- Assignments
- Class presentations
- Overall class and lab attendance
- Lab experiments
- Industrial visits
- Workshops/ Seminars
- Innovative projects
- Group discussions
- Viva Voce
- Participation of students in extracurricular and co-curricular activities for general proficiency

Summative Assessment

The objective of summative assessment is to evaluate learning developed by a student towards the end of semester. This process helps the students to gain confidence and to achieve good result. Finally, the University consolidates a summative evaluation (End-Semester Examination) at the end of each semester through the following:

- Written theory examination
- Practical examination
- Comprehensive viva voce
- Curriculum-based Project work

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

The significant improvements made over the last four years are as follows:

- **Improvement in internal assessment:**
 - Internal assessment of the students is done by respective subject teachers by giving them sessional test, home assignment, tutorials, etc. To maintain the quality of assessment, respective Head of the Department scrutinizes the assessment process and carries out the moderation wherever needed.
- **Transparency in internal assessment:**
 - After the evaluation of home assignments, class tests, projects, etc., the results are discussed by the faculty members in the class and displayed on notice board. The students are also individually counseled and monitored by faculty counselors. Feedback from the students is also taken for further improvement in the system.

- **Improvement in answers of the question papers:**
 - A sample solution is provided and discussed with the students for all those questions which were covered in sessional tests, tutorial sheets, assignments, etc.
- **Weightage in internal assessment:**
 - While evaluating marks assigned to internal assessment, the sincerity of work and timely submission of assignments are taken into consideration while awarding marks to the students by the teachers.

2.5.6 What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

The graduate attributes have been articulated in both the vision and mission statements as “Future-ready professional” in specified areas. A future ready professional engineer/manager/pharmacists should possess sound technical/managerial skills, life skills and critical thinking skills. These may be separately expanded for undergraduate/postgraduate programmes. A graduate should have strong grounding in basic engineering (other fields), and expertise in core engineering and management with a widened outlook to solve the problems. The following are the 12 graduate attributes as suggested by the National Board of Accreditation (NBA) are taken into consideration in the institute.

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.
- **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
- The departments maintain the record of the performance of their students and devise the programs to fulfill the observed gaps.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

The evaluation process comprises internal and external assessments of the students according to the evaluation scheme of the University. The comprehensive report card of a student is jointly made by both the Institute and the University.

NIET at its level has a very stringent and confidential evaluation process, which is done by the subject teachers. The student approaches the subject teacher in case they need any clarification on the allotted marks.

The University follows a proper mechanism for redressal of grievances of the students. After declaration of the results, the students having any grievances against their results can register their complaints through Registrar of the Institute to the University within a specific time limit. The university has a provision for scrutiny and challenge evaluation for students regarding their evaluation related grievances.

2.6 Student Performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

'Yes'. The Institute's academic orientation for imparting quality education is well defined in sync with course objectives. The students and staff are made aware of the objectives with the help of presentation, briefing, and discussion in meetings. Faculty and students are explained the learning outcomes for better implementation.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/ programme? Provide an analysis of the students results/ achievements (Programme/ course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/ courses offered.

To monitor the progress of the students, institute conducts two sessional tests in each semester, Viva-voce is conducted in the laboratories, and students are compelled to maintain 75% class attendance to appear in the sessional tests as well as in the final examination. Weak students development program is run in the respective departments after identifying weak students on the basis of their performance in sessional tests. One faculty member is appointed as mentor for approx. 20-30 students to check their progress during the semester. All the strong points and weaknesses of the student during his/ her stay at the Institute are recorded in the student performance report (SPR). Further, the final progress can be rated on basis of his/her final result.

The details of last four years result are as under:

Programme/Course wise result analysis of last four years

Branch	2009-13	2010-14	2011-15	2012-16
CE	95.38%	98.39%	96.83%	98.21%
CH	100%	91.16%	100%	100%
CSE	95.38%	98.39%	96.83%	99.11%
EC	98.13%	99.9%	99.03%	97.2%
EN	95.68%	92.24%	97.16%	95.42%
IT	100%	97.27%	95.65%	95.28%
ME	87.41%	93.94%	95.25%	97.45%
BT	No batch passed	No batch passed	No batch passed	100%
MBA	96%	94%	99%	99%
MCA	91.66%	88.33%	88.37%	72.91%

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Teaching Strategies:

- Faculty members maintain a course file in the beginning of semester which includes quality policy, program objective, syllabus, lesson plans, assignments, previous-year question papers and also hand written notes.
- Tutorial classes are conducted and assignments evaluated regularly
- Books recommended by faculty members are procured in the library and updated from time to time.
- HoDs make their rounds in classes to assess and monitor the teaching standards of faculty members and provide suggestions to them for improvement.
- FDP programmes are conducted in the Institute from time to time to enrich the knowledge of faculty members.
- The PFS (Pyramid Finishing School) in discussion with various training organization creates customized content required for aptitude & training of students for placement, department-wise.
- NIET Technology Business Incubator (TBI) organizes regular sessions to look after the entrepreneurial skills of the students which sync with E-Cell of Institute.
- Institute has ISTE, CSI and IEI student chapters along with institutional membership.

Learning strategies:

- The Institute identifies slow and fast learners. Hence, special WSDP classes are organized for the slow learners and advanced classes for the fast learners.
- Library and computer labs are kept open after the Institute hours, so that each student can fully utilize them.
- Mock interviews, group discussions and seminar presentations are regularly organized

Assessment Strategies:

- Regular surprise class test, sessional test, viva voce and end semester examination are conducted for students to assess their academic knowledge.
- To assess and resolve diverse requirements of the students, the Institute has a Grievance Redressal Cell.

- The Institute maintains Students' Progress Report to assess their academic performance
- The PFS (Pyramid Finishing School) assesses the capabilities of the students for placement prospects. The Institute organizes tech-fests to assess the performance of students in society's related activities like ISTE, CSI, SAE, etc.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among the students etc.) of the course offered?

- NIET has an in-house Pyramid Finishing School to provide training to the students according to the industry requirements, giving student a 360⁰ improvement not only in the areas like soft skills, life skills, technical skills and business etiquettes but also exposing students to time management, team work and project management.
- Career Management Cell (CMC) invites many reputed multi-national and core companies for placement of students. During academic session 2015-16 more than 850 placements have been achieved through campus placement drives.
- The Institute has developed Technology Business Incubator approved by MSME & Startup India, Government of India which initiates and monitors the entrepreneurship skills in the students.
- Alumni interactions are facilitated to provide insight into oncoming placement drives.
- The students are prepared for Microsoft Certified Professional courses on latest software technologies under Microsoft Innovation Center.
- The students are encouraged and trained for CISCO, Microsystems, Oracle, Microsoft and PTC Certification.
- The students are also exposed and trained over foreign languages like Japanese (with Japan Foundation) and German.
- The students are encouraged for various other certifications through Pearson & Prometric Centers.
- To promote research and innovation attitude, the Institute organizes short term training course on the latest tools and technologies in collaboration with industry. NIET has also established 8 innovation labs viz. Internet of Things (IoT), Embedded Technologies, Cloud Computing, Big Data Analytics, Clinical Research & Bio-informatics, 3-D Printing, iOS Apple, Mobile Applications Development on Android Platform, for the technological advancement of the students.
- The Institute has also taken initiative to start the certification courses in collaboration with Telecom Sector Skill Council (TSSC), National Skill Development Council (NSDC) Government of India and DDU-GKY.

2.6.5 How does the institution collect and analyse data on student performance and learning outcomes and use it for planning and overcoming barriers to learning?

The Institute keeps a close eye on performance of the students by maintaining a proper record of their attendance and sessional marks through ERP. The Data analysis Committee analyzes the data collected. The analyzed data including the programmes of each department is presented before the planning and evaluation committee at the end of every academic year for making corrective measures for the next academic year. The weak students are given proper attention and extra classes are held beyond working hours. The parents are informed regularly about the performance of their wards.

The Academic Audit Team reviews the reports of the Data Analysis Committee and conveys the same with valuable suggestions to the respective departments for further planning and corrective measures. The Committee monitors the progress on a regular basis.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

Monitoring of learning outcomes are done at the following levels:

- **At Class level for course outcome:** Class-coordinator and subject faculty members play a crucial role in overall achievement of outcome by the students through continuous assessment and monitoring.
- **At Departmental level for program outcome:** This level of monitoring is at HoD level through the review of well defined outcomes of the programmes and giving the feedback to the concerned faculty for achieving better results.
- **At Institute level for consolidated outcome of different programmes:** Academic Committee of HoDs and Deans headed by the Director strictly evaluates the outcome of courses and ensures that they do not deviate from overall programme outcome.
- **Stakeholder's level:** Stakeholders like alumni, employees also provide feedback to the Institute-level committee to analyse the learning outcomes of each programme for improving the quality of education.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

'Yes'. The Institute and individual faculty members use assessment/evaluation outcomes as an indicator of the students' performance. On the basis of first sessional test, weak students are indentified and special classes are arranged for their improvements. End semester results of the students are analysed at the department level, on the basis of which the students are categorized as A, B, C and D which helps us in planning and implementing placement oriented classes for them.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

NIL

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

NIET is one of the few colleges which have been awarded with two Research Centers by AKTU, after rigorous process of identifying the potential colleges. The details are as follows.

Department	University approval Details
Mechanical Engineering	University's letter no. AKTU/VCO/cir/20167798 dated April 23, 2016
Electronics & Communication Engineering	

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, the Institute has constituted a research committee to monitor and address the issues related to research in the Institute. The research committee of the Institute consists of the following members:

1. Dr. Ajay Kumar, Director, NIET
2. Dr. P. Pachauri, Professor (Mechanical Engineering) & Director (P&P)
3. Dr. S. Gairola, Professor (Electrical & Electronics Engineering) & Dean (R&D)
4. Dr. N. Rajesh Mathivanan, Professor (Mechanical Engineering) & Dean(Academic)
5. Dr. Rajesh Kumar, Professor (Physics)

The meeting of above committee members is held once in a semester in order to synchronies and encourages research activities undertaken by the various faculty members of the Institute.

The committee has made several recommendations for improvement of the quality of research, besides providing guidelines for the quality-research projects and theses framed by students and faculty members. The committee has made the following recommendations so that quality of research is further improved:

- Each research project should preferentially have at least two publications, one of which should be in a SCI indexed journal of repute.
- The projects should have a socio-economic value for betterment of the society.
- The Head of each Department should motivate their faculty members to publish at least one research paper in a reputed journal and present one paper in a national/international conference in one academic session.

- The faculty members should be encouraged to pursue research programmes (Ph.D.) in their respective area of interest.
- The committee has recommended to have a software to check plagiarism in research papers, dissertations and theses before submission.
- Committee also recommended monetary rewards to authors for their publication in SCI index journals.
- The Departments are equipped with requisite infrastructure and e-journals access is provided to all researchers.
- Committee suggested to take measures for encouraging female members for Research & Innovation.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

- **autonomy to the principal investigator**
- **timely availability or release of resources**
- **adequate infrastructure and human resources**
- **time-off, reduced teaching load, special leave etc. to teacher**
- **support in terms of technology and information needs**
- **facilitate timely auditing and submission of utilization certificate to the funding authorities**
- **any other**

The prime measures taken by the Institute to facilitate smooth progress and implementation of research schemes include the following:

- **Autonomy to principal investigator:** The principal investigator & co-investigator/s are given autonomy to work in the department even after the college hours and are free to manage the research expenses with the consent of management.
- **Timely availability or release of resources:** The management encourages novelty in research and sponsor seed money to the faculty members to initiate research.
- **Adequate infrastructure and human resources:** Human resources like, accountant/book keeping, lab assistants and technicians are made available after the college hours with extra remuneration so that the researchers can continue without any hassle. Every Department has specified laboratories with state-of-the-art facilities.
- **Time-off, reduced teaching load, special leave to teachers:** Researchers who are working on funded projects will be allotted a minimal teaching load and provision is made for them to travel & present their research activity to the funding agency and also at conferences.
- **Support in terms of technology & information needs:** The Institute has subscribed e-journals enabling researchers to access information through the Institute login. NIET

through Technology Business Incubator (TBI) provides necessary infrastructure for commercialization of research and innovative outcomes.

- **Submission of utilization certificate:** The research committee of the Institute and the accounts office ensure that the researchers make a timely audit of the fund granted to them and submit the utilization certificate to the funding authority.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

For developing and nurturing the research aptitude among students, they are encouraged to actively participate in various seminars, conferences and workshops organized. The students are involved in individual and group projects of emerging areas and modern technology to infuse critical thinking and scientific temper. Guest lectures on contemporary issues are conducted by inviting experts from the field of science and technology. Besides, the Institute organizes several industrial tours for the students of all the Departments to ensure that the students have a fruitful interaction with the industry and paper presentation activity by the students and to inculcate scientific temper and research culture among the students.

- Institute offers teaching assistantships to deserving PG students during their project phase as per eligibility.
- The Institute has formed a Creative Design Cell (CDC) and UG students are encouraged to take up different projects with innovative ideas as their co-curricular activity. This activity is later extended to the Institute-level competition and the selected students are motivated by various prizes.
- The Institute also organizes annual TECHFEST to promote various technical activities, such as software competition, project competition, robot competition, etc.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

The Institute has dynamic faculty members with potential of excellence in researches, who are involved in guiding the students for their research. The Institute has various collaborative projects with R & D labs, IITs & NITs, industries and hospitals where students and faculty members are working in collaboration with them. Research papers in the joint name of students and faculty members of NIET as well as industrial co-guides are published in various national and international journals.

Faculty Involvement in Guiding M.Tech. Students:

M. Tech. Dissertation Guided by the faculty members

S.NO.	Name of Student	DISSERTATION TITLE	SUPERVISOR'S NAME
1.	Anil Kumar Singh	Software Fault Prediction based on K-Means and Fuzzy C-Means Clustering Algorithms	Mr. Raj kumar Goel Mr.Pankaj Kumar
2.	Arvind Kumar	Drawing CFG and Determining Cyclomatic Complexity of A Program/Software.	Mr.C.S.Yadav
3.	Daya Shankar Srivastava	Size Estimation of Object-Oriented Software.	Mr.C.S.Yadav
4.	Priya Chaudhary	Estimation Model for the Effort needed on Testing Projects using Test Point Analysis.	Mr.C.S.Yadav
5.	Vivek Kr. Srivastava	An Efficient Load Balance Algorithms for Grid Computing using Mobile Agent	Mr.Raj kumar Goel Dr.P.K.Bharti
6	BhagwanYadav	Design & Analysis of Image Encryption using Chaotic Logistic Map	Mr. S.P. Sharma Mr.Pankaj Kumar
7	Meraj Ansari	SCTP Multihoming with Cross Layer Interface in Ad-hoc Multihomed Network.	Mr. S.P. Sharma
8	ParulAgarwal	Web-based Techniques for LandmarkMininginGISSystem.	Ms.Chitvan Gupta
9	Ram Kumar Sharma	Information Retrieval-based Model for Extracting Text and Audio from video for Video Search Optimization.	Mr.Nagesh Sharma
10	Renu Devi	Routing Misbehavior in Mobile Ad-Hoc Network.	Dr.Prashant Singh
11	Shefali Goyal	Multipath Routing Protocol for Multimedia Applicationsin Ad-Hoc Wireless Network.	Dr.Prashant Singh
12	Ashutosh	A Dynamic Approach to	

		Automated Test Case Generation using UML Diagram.	Mr.Abdul Khalid
13	Deepak Tyagi	A Model for Predicting the Quality of Autonomic software Systems.	Dr.Anurag Awasthi Mr.Ritesh Rastogi
14	Jyoti Mishra	Performance Comparison of Different Automated Testing Tools.	Mr. Irphan Ali
15	Mohit Kumar	Analysis and Testing of Multidimensional Encryption Algorithm.	Dr.Anurag Awasthi Mr.Ritesh Rastogi
16	Nikita Rastogi	A Study on Validation of Cohesion Metrics.	Mr.Ritesh Rastogi
17	Pitamber Adhikari	Testing and Analysis of Object-Oriented Software.	Mr.C.S.Yadav
18	Prachi Gupta	Comparative Analysis of Strategies of Testing in Cloud Computing.	Dr.Anurag Awasthi Mr.Ritesh Rastogi
19	Shaila Chaudhray	Efficient Approach of Emotion Recognition System based on the Facial Expression	Mr.Ritesh Rastogi
20	Shivnath Gupta	An Approach for Testing challenges in Cloud Computing.	Dr.Anurag Awasthi Mr.Ritesh Rastogi
21	Sudarshan Singh	Comparative Analysis of Testing Techniques for Security in Web-based Applications.	Dr.Anurag Awasthi Mr.Ritesh Rastogi
22	Suman Khatri	Recognition of Devnagari Numeral using Neural Network Techniques.	Mr.Irphan Ali
23	Vijay Kumar Tiwari	Analysis of Secure and Optimized Algorithms for the Implementation of Digital Signature.	Dr.Anurag Awasthi Mr.Ritesh Rastogi
24	Vikrant Malik	Integration of Usability in Software Development.	Mr.C.S.Yadav
25	Manisha Singh	Study and Implementation of Bidirectional Associative	Dr.Somesh Kumar

		Memory for Function Approximation in Pattern Mapping Networks	
26	Manisha Uprety	Pattern Auto-Association with HNN using Genetic Algorithms anemic-Adaptation Rule	Dr.Somesh Kumar Mr.Raj kumar Goel
27	Mansi Aggarwal	Maintainability Assessment of Object-Oriented Software System using AHP	Mr.Vineet Kumar Mr.Harsh Vardhan Mishra
28	Prakash Kumar	Scheduling approach for Load Balancing Model in Grid System Computation	Mr.Pradeep Kumar
29	Sachin Goel	Information Theoretical Aspects for Enhancement of Accuracy in Epilepsy Diagnosis	Mr.Harsh Vardhan Mishra
30	Aradhna Srivastava	Network Intrusion Detection System using Principal Component Analysis (PCA)	Mr.Pankaj Kumar Mr.Raj kumar Goel
31	Nikhil Gupta	Investigation of crack growth propagation in EN-31	Prof. P.Pachauri
32	Abdhesh Kumar	Drilling sequence path minimization using Genetic Algorithm	Prof. P.Pachauri
33	Rohan Kumar	Testing of aluminum based composite (Al7075-Al2O3) developed through Electromagnetic stir casting process	Mr. Shyam Lal & Dr. Sudhir kumar
34	Abhishek kumar	Development and characterization of aluminum metal matrix composite using Electromagnetic stir casting method	Mr. Shyam Lal
35	Vivek Singh	Finite element analysis of a spur gear tooth using solid works simulation and stress reduction by stress relief hole	Mr. Sandeep Chauhan
36	Gyanchandra Sharma	Static strength improvement of Eicher 11.3 Cargo Truck chassis by optimizing cross-sectional area	Mr. Sandeep Chauhan
37	Shailesh Singh	Effect of pin-on-disc process parameters on tribological	Mr. Shashi Prakash Dwivedi &

		properties of AA6082/5% Sic composite using RSM	Mr. Harveer Singh Pali
38	Sushil Kumar Madhesia	Fabrication and characterization of composite material and its buckling analysis through FEM	Mr. Ashish Srivastava
39	Kaushambi Singh	Optimization of process parameters of EDM on Al6082/SiC MMC fabricated by electromagnetic stir casting	Mr. Harveer Singh Pali
40	Dhirendra Kumar Verma	Processing of and characterization of Al2024/Al ₂ O ₃ Nano composite fabricated by electromagnetic stir casting process	Mr. Kapil Kumar
41	Ankita Awasthi	Optimization of thermoelectric cooler by using genetic algorithm	Mr. Kapil Kumar
42	Samar Sultan	Development and characterization of Al7075/nano Sic metal matrix composite	Mr. Kapil Kumar
43	Vikas Kumar Single	Optimization of CNC drilling process parameter of foamed carbon fiber composite for quality characteristics	Dr. Sudhir Kumar
44	Nitin Gupta	Characterization of A356/B4C composite fabricated by electromagnetic stir casting process with vacuum	Dr. Sudhir Kumar
45	Vivek Kumar	Optimization of welding parameters fabricated through under water friction stir welding	Dr. Sudhir Kumar & Dr. Ajay kumar
46	Mr. Sudhanshu Kumar	Outage Analysis of Single User Free Space Optics for Weak and Strong Turbulence Channels	Mr. Vivek Kumar Srivastava
47	Mr. Devendra Pratap	Experimental Study of WLAN in Indoor Environment	Prof. Satyendra Sharma
48	Mr. Dhananjay Singh	Study and Analysis of optical waveguide using helical signal	Mr. Vivek Kumar Srivastava
49	T. Jayachitra	Design and development of circularly polarized dual feed microstrip patch antenna for wireless applications	Dr. V.K. Pandey
50	Meenakshi Saini	“A wideband single fed L slot circularly polarized antenna”	Dr. V.K. Pandey
51	Vartika Tyagi	“A triangular slot CPW fed UWB notch antenna”	Dr. V.K. Pandey

52	Abhilash Saurabh	“Design of various equalization and diversity techniques for MIMO”	Dr. V.K. Pandey
53	Mr Amit Kumar Yadav	Performance analysis of Array ,Wallace and Booth multiplier	Mr. S.K.Sahoo
54	Mr Ashutosh Kumar Singh	Implementation of D-latch using ternary logic	Dr. V.K. Pandey
55	Mr. Jitendra Kumar Saroj	Implementation of trans impedance amplifier using inductive peaking	Prof. Satyendra Sharma
56	Mr. Shyam Sundar Sharma	Implementation of OFDM using VHDL and comparison different FPGA platform	Dr. V.K. Pandey
57	Mr. Balbindra Kumar	Design and implementation of high speed ADPCM encoder and decoder IP core for multimedia application	Mr. S.K.Sahoo
58	Ravindra Kumar	Design and implementation of FFT filter IP core using VHDL	Mr. S.K.Sahoo
59	Ms. Smita Mishra	"Identification of BUG Report using Naïve Bayes Classifier with Gain Ratio"	Dr. Somesh Kumar
60	Nripendra Kumar Choudhary	Development of Computational Model For Evaluation of Ride Comfort of Road Car Through Bond Graph	Dr. Chandan Kumar and Dr Praveen Pachauri
61	Yogesh Kumar Chaubey	Development of Framework For Premature Failure Analysis of Suspension System of a Car	Dr. Chandan Kumar and Mr. Sandeep Chauhan
62	Anupam Kumar Yadav	Slotted Dumbbell Shaped Microstrip Patch Antenna for WiMAX Frequency Band of 3.4-3.69 GHz	Dr.V.K.Pandey, Mr.Anshuman Singh
63	Rajat Mehrotra	Design of Plus Sign Slotted Microstri Patch Antenna for WiMAX Applications	Dr.V.K.Pandey, Mr.Anshuman Singh
64	Himanshi Sharma	Design and Analysis of Johnson Counter Based on Power-Gating CPAL	Mr. Rajan Singh
65	Yogita Pal	Noise Cancellation Using Low Pass FIR Adaptive Weiner Filter by LMS Algorithm	Mr. Rajan Singh

66	Chinmayee Singh	Analysis and Design of Compact Planar Branched Monopole Antennas for DCS/2.4 GHz & WLAN Applications	Prof. Tejbir Singh Mr. Prabhakar Agarwal
67	Pawan Kumar Dubey	Performance Analysis of XPM-induced crosstalk with higher order dispersion in SCM-WDM optical transmission link	Dr. B. Mohapatra
68	Shilpi Bansal	Design of Configurable and Power Efficient Crossbar Switch for Network-on-Chip (NoC)	Dr. Satyendra Sharma, Mrs. Nidhi Sharma
69	Ravin Kumar	Reorganization of static neural sign in Indian sign language for deford dumb.	Dr. C.S. Yadav
70	Sapana Sharma	Recognition of plant species based on leaf images using multilayer feed forward neural network	Mrs. Chitvan Gupta
71	Vibha shukla	Column stores implementation and performance analysis	Dr. Rajdev Tiwari
72	Smita mishra	Identification of bug report using naïve bayes classification with gain ratio.	Dr. Somesh Kumar
73	Pinky Bhati	Regional cluster based routing protocol.	Dr. Rajdev Tiwari
74	Neelam	Simulation study and implementation of different routing protocol under FTP traffic	Pankaj Kumar, Atul Gupta
75	Roshani Gupta	Secured and intelligent multi path routing approach using AOMDV in Manet	Mr. Ramesh Chandra Shahoo
76	Rahul Yadav	Analysis of multipulse AC-DC converters for power quality improvement	Dr. S. Gairola
77	Pritish Kulshreshtha	Boost converters for power factor improvement and bidirectional power flow	Dr. S. Gairol & Anurag Verma

Doctoral Research under the Supervision of NIET Faculty Members (Awarded & Pursuing)

S.No.	Name of the candidate	Name of Guide	Title of Thesis	Year & Research Center	Status
1	Rajesh Arora (Jagdish prasad Jhabarmal Tibrewala University)	Dr Gaurav Aggarwal	A Study On - Understudying Individual Indian Investor Awareness Level and Selection Behaviour towards Indian Mutual Fund Schemes (In NCR Region of Delhi)	2013, Lloyd Institute of Management & Technology, Gr. Noida	Awarded
2	Abhishek Jha (UPTU, Lucknow)	Dr Gaurav Aggarwal	A Comparative Study of Project Risks on the basis of Capital Budgeting Decisions	2011, NIET Greater Noida	Pursuing
3	Faisal Noman (Mewar University)	Dr Gaurav Aggarwal	Impact of Disinvestment on Indian Capital Market	2013, Lloyd Institute of Management & Technology, Gr. Noida	Pursuing
4	Vibhore Khnadelwal (Jagdishprasad Jhabarmal Tibrewala University)	Dr Gaurav Aggarwal	Topic under finalization	2013, Lloyd Institute of Management & Technology, Gr. Noida	Pursuing
5	Mayank Kumar Pandey (UPTU, Lucknow)	Dr Dileep Singh	Expansion strategies through international joint ventures: A case study of pharmaceutical sector	2011, NIET Gr. Noida	Pursuing

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Institution periodically conducts workshops, technical training programs with the following objectives:

- To identify the prime areas of research
- To provide an opportunity to interact with experts in the concerned field
- To help students get knowledge outside their academic syllabus
- To get hands-on training in advanced techniques

Training/FDP/QIP Sensitization Program organized in the Institute

S.NO.	Activity	2013-14	2014-15	2015-16	2016-17
1	Training Program	01	06	02	06
2	Workshop	03	06	16	05
3	FDP/ STC	05	07	06	
4	Seminar/ Conferences	02	04		02

Workshops/ Seminars organized in the Institute

S.No	Activity	Topic	Organizer/ Agency	Date
1	Workshop	Career Opportunity available in Construction, and Built up environment	Team from RICS, Amity University	22 nd February, 2014
2	Workshop	Staad Pro Workshop Cum Techno-Champ 2K14 Organized by IIT, Guwahati	Structural Consultant, Pro-Group India, Noida	22 nd and 23 rd March, 2014
3	Workshop	Workshop on MATLAB and Genetic Algorithm for Electrical Engineers	NIET, Greater Noida	5 th April, 2014
4	Workshop	Placement Workshop	NIET, Greater Noida	8 th Sept., 2014 – 20 th Sept., 2014

5	Workshop	Workshop on PLC/SCADA for Electrical Engineers	Expert team of Spectrum Infogain Services, Noida	29 th Sept. 2014, 10 th Oct. 2014, 11 th Oct. 2014
6	Workshop	Embedded Systems	IOTA CELL, Bangaluru	2 nd -4 th March, 2015
7	Workshop	"Cloud Computing"	IOTA CELL, Bangaluru	9 th – 21 st June, 2015
8	Workshop	Bioinformatics & Clinical Research	Simulanis Solutions Pvt. Ltd., Delhi	15 th July, 2015 – 26 July, 2015
9	Workshop	"Intellectual Property Rights"	India Juris ,New Delhi	25 th July, 2015
10	Workshop	"Virtual Labs"	IIT Delhi	15 th Sept., 2015
11	Workshop	One day workshop on virtual Lab	IIT-Delhi	16 th Sept., 2015
12	Workshop	"TechSense 2015 By Mozilla Firefox Club"	NIET, Greater Noida	17 th Oct., 2015
13	Workshop	"Amazon Web Services"	Amazon Regional Business Head, Delhi	17 th Nov., 2015
14	Workshop	2 Days Workshop on Auto CAD	CETPA	30 th -31 th Dec., 2015
15	Workshop	Teaching and Learning process	NIET, Greater Noida	25 th Jan., 2016
16	Workshop	"Techknack'2016 By Mozilla Firefox Club"	NIET, Greater Noida	26 th Feb., 2016
17	Workshop	One day Workshop on Basics of Welding	Fronius India Pvt	15 th April, 2016
18	Workshop	Curriculum Development for B.Tech. Biotechnology sponsored by	Dr. APJ Abdul Kalam Technical University, Lucknow	21 th – 22 th April, 2016
19	Seminar	2 Days Seminar on Entrepreneur Aspects on	NIET, Greater Noida	22 nd -23 rd April, 2016

		Solar Energy		
20	Webinar	Webinar on Mobile Communication	Dellsoft Tech.	4 th – 6 th May, 2016)
21	Workshop	Design of Flexible and Rigid Pavement	NIET, Greater Noida	9 th -13 th May, 2016
22	Workshop	One day workshop on Internet of Things	PTC	10 th June, 2016
23	Workshop	“Internet of Things”	Parametric Technology India (Pvt.) Ltd.	10 th June, 2016
24	Workshop	"Internet of Things"	MonkFox, Bangaluru	10 th June, 2016
25	Workshop	Clinical Research & SAS	MonkFox, Bangaluru	7 th - 22 th June, 2016
26	Workshop	Virtual Lab	IIT Delhi	23 rd Aug., 2016
27	Workshop	Python 101 workshop	Zopper	30 th Aug., 2016
28	Seminar	Seminar for GATE ASPIRANTS	Engineer’s Zone	9th Sept., 2016
29	Workshop	“Android,.Net,PHP and Bigdata”	NIET, Greater Noida	9 th Sept., 2016
30	Workshop	One day workshop-3ST technology, Noida on VLSI design	NIET, Greater Noida	1 st Oct., 2016

S.No	Activity	Topic	Organizer/ Agency	Date
1	Training & Certification	Six Sigma Green Belt Certification from KPMG.	NIET, Greater Noida	14 th -17 th Oct., 2013
2	SDP	A Two-day Workshop on Communication Skills For Non-Teaching Staff	NIET, Greater Noida	13 th -14 th May, 2014
3	QIP	Advances in Mechanical Engineering	NIET, Greater Noida	14 th -15 th May, 2014
4	SDP	A Two-day Workshop on Computer Fundamentals	NIET, Greater Noida	23 rd -24 th May, 2014
5	FDP	Planning of 4G Network	NIET, Greater Noida	19 th June, 2014

6	FDP	EMFT	NIET, Greater Noida	7 th Aug., 2014
7	FDP	Optical Fiber Communication	NIET, Greater Noida	7 th Aug., 2014
8	SDP	ICICI Direct on Financial Market.	NIET, Greater Noida	9 th -22 th Sept., 2014
9	FDP	SPSS in Research Methodology	NIET, Greater Noida	19 th Sept., 2014
10	FDP	Evolutionary Optimization Techniques	NIET, Greater Noida	19 th – 24 th Dec., 2014
11	Summer Training	“Cloud Computing”	IOTA Cell, Bengaluru	9 th - 21 th June, 2015
12	Summer Training	“Big Data & Analytics”	IOTA Cell, Bengaluru	9 th - 21 th June, 2015
13	Summer Training	“Mobile application development using Android platform”	IOTA Cell, Bengaluru	9 th - 21 th June, 2015
14	Summer Training	“Internet of Things using Raspberry Pi”	IOTA Cell ,Bengaluru	9 th - 21 th June, 2015
15	Summer Training	Simulanis Solutions Pvt. Ltd., Delhi	Modelling & Simulation for Chemical System	15 th - 26 th July, 2015
16	FDP	"Intellectual Property Rights"	NIET, Greater Noida	25 th July, 2015
17	FDP	"Soft Computing Techniques & Its Applications"	NIET, Greater Noida	4 th – 9 th Jan., 2016
18	STC	“MATLAB and its Hardware Interface”	NITTTR Chandigarh	11 th -15 th Jan., 2016
19	Training	“Entrepreneurship & IPR Awareness Program”	MSME	1 st Feb., 2016
20	STC	“Embedded C Programming of Microcontrollers”	NITTTR Chandigarh	2 nd – 6 th May, 2016
21	STC	"2G Vs 3G"	NITTTR Chandigarh	23 rd - 27 th May, 2016

22	FDP	“2G/3G”	NITTTR, Chandigarh	23 rd - 27 th May, 2016
23	STP	One week STTP on Modeling and Simulation for Mechanical Engineering Systems, MSMES-2016	ISTE/Institute	6 th – 10 th June, 2016
24	Summer Training	Simulanis Solutions Pvt. Ltd., Delhi	Modelling & Simulation for Chemical System	6 th - 16 th June, 2016
	STC	“Open Source Technologies”	NITTTR Chandigarh	29 th Aug., 2016 – 2 nd Sept., 2016
26	FDP	Intellectual Property Right	NIET - TBI	25 th July 2015
27	ICT Based Workshop	Communication Skills	NITTTR Chandigarh	20-24 th July, 2015
28	International Conference	CETCME-2015	ME, NIET	21-22 nd March 2015
29	Sensitization Program	80E:20H	NIET, Greater Noida	17 th July, 2015
30	National Conference	Electronics, Communication & Information Systems (ECIS 3)	ECE, NIET	16-17 th March, 2013
31	SDP	Motivation	MCA, NIET	4 th Feb., 2013
32	QIP	Latest Trend in Manufacturing	ME, NIET	7-8 th January, 2013
33	National Conference	Emerging Technologies in Computer Science (ETCS 2012)	CSE, IT & MCA, NIET	20-21 st October 2012
34	National Conference	RTEE-202	EN, NIET	20-21 st April, 2012

3.1.7 Provide details of prioritised research areas and the expertise available with the institution.

The Institution has highly qualified faculty members with expertise in various domains of Science & Technology. The details of the prioritized research areas and expertise of faculty members are given in the table below:

S.No	Name of the Faculty Member	Department	Research Area/ Specialization
1	Dr. Ajay Kumar	Mechanical Engg	Advanced Manufacturing Processes
2	Dr. Pande B B Lal	Civil Engg	Hydrology
3	Dr. P. Pachauri	Mechanical Engg	Advanced Manufacturing Processes
4	Dr. Sanjay Gairola	Electrical Engg	Power Electronics, Electrical Machines and Drives
5	Dr. N. Rajesh Mathivanan	Mechanical Engg	FRP Composite Structure
6	Dr. Satyendra Sharma	ECE	VLSI Design and Wireless Comm.
7	Dr. V K Pandey	ECE	Microwave Engineering
8	Dr. Dileep Singh	MBA	HR and Marketing
9	Dr. C.S. Yadav	CSE	Software Engineering
10	Dr. Somesh Kumar	IT	Soft Computing
11	Dr. Ravi Kant Singh	Biotechnology	Bio-process Engineering
12	Dr. Anjana Rani	Mathematics	Applied Mathematics
13	Dr. Minakshi Yadav	Mathematics	Numerical Methods
14	Dr. Yogesh Agarwal	Chemistry	Organic Chemistry/Polymer Technology
15	Dr. Sujeet Kumar	Environment Science	Microbiology/Botany
16	Dr. Ghazala Naaz	English	Indian English Literature, Linguistics
17	Dr. Vipin Kumar	English	Indian English Literature, Linguistics
18	Dr. Bindunath Jha	English	Linguistics, Phonetics
19	Dr. Chandan Kumar	Mechanical Engg	Machine Design
20	Dr. Surya Dev Chaudhary	ECE	Microwave Communication
21	Dr. Arvind Kr. Tiwari	Mechanical Engg	Thermal Engineering
22	Dr. Sachin Tejiyan	Mechanical Engg	Composite materials
23	Dr. Priyanka Chawla	CSE	Computer Science and Engineering
24	Dr. S. K. Bharti	CSE	Computer Science and Engineering
25	Dr. Deepti Gupta	CSE	Computer Science and Engineering
26	Dr. Prashant Mukharji	Civil Engg.	Geotechnical engg
27	Dr. Laxman Singh	ECE	Image Processing

28	Dr. H. S. Pali	Mechanical Engg	Biofuel
29	Dr. Ritu Souryan	English	Fiction & Literature
30	Dr. Priyanka Singh	English	Communications & Languages
31	Dr. B. Kumar	Mechanical Engg	Machine Design
32	Dr. S. L. Verma	Mechanical Engg	Production
33	Dr. Gaurav Agarwal	MBA	Finance Management
34	Dr. Monika Chauhan	Chemistry	Material Science
35	Dr. Pawan Prakash Giri	Chemistry	Organic Chemistry
36	Dr. Shweta Vaishnoi	Chemistry	Nano-science (condense matter physics)
37	Dr. Pankaj	Physics	Electronic Physics
38	Dr. Manish Kaushik	Chemistry	Organic Chemistry
39	Dr. Vineet Shekhar	Electronics	Control System
40	Dr. Meenu Singh	Biotech	Molecular Biology
41	Dr. Mukesh Chawla	CSE	Computer Network
42	Dr. Bharti Chaudhary	Biotech	Micro Biology
43	Dr. Mohd Zeesan	Biotech	Genetics

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

Research center in Mechanical Engineering and Electronic & Communication department has been sanctioned by AKTU University. The Institute strives to attract the enthusiastic researchers and provide an opportunity to interact with the teacher, through several platforms such as: National & International conferences, seminars, symposia, workshops, guest lectures, Faculty Development Programmes, Staff Development Programmes, trainings, etc. The University allots the research scholars to the concerned research centers to carry out their research under the supervision of the faculty members of the Institute.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Sabbatical leave has been sanctioned to many aspiring teachers to pursue research in their area of interests. The List of faculty members availing/availed sabbatical leave is below:

List of faculty members availing or availed sabbatical leave

S.No	Name	Department	Duration
1	Mr. Hari Mohan Gaur	ECE	3 years
2	Mr. Chetan Kumar Garg	Chemical	2 years
3	Mr. Rohit Gupta	EN	2 years
4	Mr. Himanshu	EN	3 years
5	Mr. Archit Saxea	ME	1 year
6	Mr. Ved Prakash	ME	2 years
7	Dr. Sujeet Kr Singh	Environmental	1 year
8	Mr. Anwar Ali	ME	1 year
9	Dr. Meenakshi Yadav	Mathematics	1 year
10	Ms. Meenakshi Sharma	ECE	2 years
11	Dr. Vikas Choudhary	CSE	1 year
12	Ms. Heena Pahwa	Biotech	1 year
13	Ms. Nidhi Sharma	ECE	1 year
14	Ms. Sharbjeet Kaur	ECE	1 year
15	Mr. Shakeel Ahmed	Civil	1 year

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness / advocating / transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

NIET creates awareness of the findings of research among students and faculty members through various events. The substantive findings are published in the journals of repute or in the Institute journals, i.e. NIET Journal of Engineering & Technology and NIET Journal of Management. Additionally, the researchers participate in seminars, conferences, symposia, etc. to disseminate their findings. Inter institutional tech fests, project exhibitions, poster presentations are also organized to share the initiatives taken by the Institute for showcasing the newly developed technologies. Some research outcomes are exposed to outside world through press & media as well.

Few advanced laboratories such as CNC lab, CAD Lab, Microwave Lab, Materials Science & Testing Lab, and Advanced Manufacturing lab are being utilised for supporting some of the nearby industries and institutes. The prototypes and parts are being developed for industrial needs. The incubated companies use the cutting edge lab facilities for software development and research work.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

There is a provision in the budget for the research activities. The researchers can procure chemicals, computers, softwares, electronic items, consumables, etc. on the approval of departmental research committee. The committee can also recommend for travel. Following table depicts the amount spent on research and development activities:

Financial Year	Finance Allocated for R & D	Actual Utilization for R & D	Total Budget Utilized	% age of Total allocated Budget
2015-16	40,00,000	42,63,028.10	107%	1.06%
2014-15	40,00,000	42,19,811.25	105%	1.06%
2013-14	40,00,000	39,76,815.15	99%	1.16%
2012-13	30,00,000	31,85,179.35	106%	0.19%

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

The Institute provides seed money to faculty members by providing support in building experimental setup, dedicated space and the procurement of costly consumables. For example following faculty members were provided financial support:

S. No.	Name of Faculty Members	Title of Project	Duration	Amount	Outcome
1	Dr Ajay Kumar	Development of SAW Fluxes	2013-14	1.5 Lacs	Developed thirty two submerged arc welding fluxes which can be used commercial purpose.
2	Dr P. Pachauri	Development of MIM facilities	2012-13	1.25 Lacs	Developed dies and procured material MIM research facilities

3	Mr H S Pali	Bio-diesels	2014-15	1.50 Lacs	Ongoing
4	Dr S.L.Verma	Electromagnetic Stir Casting	2013-14	1.25 Lacs	Hybrid composite fabrication
5	Mr Shahzad	Compressed air vehicle	2014-15	30000	Developed Compressed air vehicle
6	Dr Satyendra Sharma	Network Planning and designing	2012-13	2.70 Lacs	Developed facility for 4G signal analysis
7	Dr Satyendra Sharma	RF Network designing	2013-14	1.60 Lacs	Developed facility for signal power measurement

3.2.3 What are the financial provisions made available to support student research projects by students?

The Institute has policy to financially support the student research projects on the recommendation of the research guide and the Head of the Department in following ways:

- The HODs are empowered to recommend for supporting student research activities by providing the critical components, instruments, software, etc.
- The students are encouraged to work on innovative projects suggested by the Institute's Creative Design Cell (CDC). The financial supports for such projects is given by the Institute on recommendation of Head of the Department.
- The PG students are given financial support for research work on the recommendation of research committee of the Institute..

The progress and monitoring of the project are responsibility of project guide(s). Institute also promotes the culture of research and innovation among students by rewarding the successfully completed projects on recommendation of CDC.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

- Considering expertise and facilities available, the research committee identifies the interdisciplinary areas of research. The HoDs and concerned faculty members regularly interact and find the interdisciplinary areas.
- Every department of the college has its own final year project assessment committee. This project committee includes one faculty member of any other department within the institute.
- B.Tech, M.Tech students can carry out the interdisciplinary research work/projects in association with other departments.

- In every semester, the Institute organizes Creative Design Cell Meet (CDCM) involving faculty members from different departments to discuss the current research areas in full length with other members for mutual benefits. This resulted in innovative research ideas leading to a good number of quality research papers.
- Students of Mechanical Engineering, undertook a research / design / development and manufacturing based project.
- Research work is always conducted at inter-departmental level on interaction with other departments to upgrade the level of research at the Institute.
- Most of the research in the core areas is being supported and validated by simulation tools and soft computing techniques with the help of the department of CSE, IT and MCA.

Example of successful endeavours in interdisciplinary research –

- a) Bio-diesel fuel production (ME, BT & Chemical department)
- b) Development of welding flux (ME and Chemical department)
- c) Analysis of microwave radiation effect on human body (ECE and BT department)

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

Institute allows its staff and students to use sophisticated instruments available in labs for their research. A log book for every lab keeps record of equipment utilization and issue of components. Final year students can use the college laboratories for their project work.

Institute prepares the documents detailing names of equipment, its specifications, possible uses, location and related interface as well as Library resources. The document is circulated to staff and students, so that they can plan their research activities. The time tables of labs are also notified to all. If required additional slots are provided. The major projects are divided in module and team leader is appointed to coordinate the project.

The campus is connected with full fledged LAN facility with numerous workstations in every department and also installed with required latest system and application software packages.

To compliment the research work, library is also one of the main scientific sources of information. The library is well equipped with national and international journals, volumes of informative books and central computational facility, E- journals and is open for students every day.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.

‘Yes’. The Institute received following grant:

S. No.	Funding Agency	Year	Scheme	Grant	Department
1	AICTE	2012	MODROBS	14.45 Lacs	ECE

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

S. No.	Funding Agency	Scheme	Department	Instruments/Facilities Procured
1	AICTE	MODROBS	ECE	DSO, Embedded system development kit, Logic analyzer etc

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The research facilities are available for faculty and students in the Institute.

S. No.	Facilities available (Software/Hardware/Tools Available)	Application /Number of User	Department
1	PTC Creo Software	30	ME
2	MATLAB & TOOL BOXES	10	ECE/EN
3	P Spice	32	ECE/EN
4	PSIM	05	EN
5	Micro Controller Development Tool (KIEL)	05	EN/ECE
6	XYLINX	10	ECE
7	TANNER Tool	10	ECE
8	Transmitter/Receiver (UPTO 10GHz)	1 set	ECE
9	Spectrum Analyzer	1	ECE
10	Microwave Power Meter	1	ECE
11	CNC Lathe /Milling/Drilling Machines	4	ME

12	Friction Stir Welding Setup	1	ME
13	Electromagnetic Stir Casting Setup	1	ME
14	Tensometer	1	ME
15	Sintering Furnace	1	ME
16	Bio Diesel Setup	1	ME/CH
17	Packed Bed Reactor	1	CH
18	Bubble Column Reactor	1	CH
19	Target Tool	32	ECE/EN
20	Mibeat	8	ECE/EN
21	Strip line analyser	1	ECE
22	Apple IOS	30	CSE/IT/MCA
23	Compression Testing Machine	1	CE
24	Tilting Flume	1	CE
25	Total Stations	2	CE
26	Standard Penetration Test	1	CE
27	Static Cone Penetration Apparatus	1	CE
28	Direct Shear Testing Machine	1	CE
29	Staad-Pro-V8I	5	CE
30	Cloud Computing Facility	30	CSE/IT/MCA
31	3-D Printers	2	ME
32	Solidworks software	30	ME
33	Abacus Software	1	ME
34	Computerized SI Engine Test Rig	1	ME
35	Computerized CI Engine Test Rig	1	ME
36	Computerized UTM	1	ME
37	Routers and switches	03 sets	CSE/IT/MCA
38	PCB developing machine	01 set	ECE/EN
39	MS 430 Texas	12	ECE/EN
40	All Microsoft Softwares and libraries	200 users	CSE/IT/MCA
41	Hi-definition vedio camera	1	All departments
42	Level Control Trainer	1	Chemical
43	Leaf Filter	1	Chemical
44	Liquid Liquid Extraction in Packed Tower	1	Chemical
45	Solid in Liquid Extraction	1	Chemical

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- The Institute has following strategies to meet the needs of researchers:
- NIET keep upgrading the existing labs and also establishing new labs (like Microsoft Innovation Centre, iOS Apple lab, PTC Lab, MiBeat Lab, Robotics Lab, Internet of

Things using Rasberry Pi Lab, Cloud Computing, 3D Printing Lab, Embedded Systems Lab, Mobile Application Development using Android Platform, Big Data Lab, Clinical Research& Bio-informatics Lab, SPSS Lab, etc) to help the researches' in the emerging areas of technology.

- The research budget is allocated to attract the researcher to work in emerging areas.
- Honorarium is given for publication in SCI index journals to researchers to promote the research in emerging areas.
- The infrastructural facilities demanded for research are evaluated by the research committee on the basis of gaps available to work in research areas where the Institute has shown some research outputs by using the existing resources.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If ‘yes’, what are the instruments/facilities created during the last four years.

The Institute received following grant:

S. No.	Funding Agency	Scheme	Grant	Department	Instruments/Facilities Procured
1	AICTE	MODROBS	14.45 Lacs	ECE	DSO, Embedded system development kit, Logic analyzer etc

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

- Students and research scholars are allowed to perform their research work fully or partially outside the campus in other research laboratories, institutes and hospitals under proper guidance.
- The Institute has deputed several faculty members for Ph.D. from various departments at renowned Institutes and Universities like NITs, Aligarh Muslim University, Jamia Milia Islamia, DTU, Delhi, AKTU Lucknow, etc.
- The Institute sponsors students to participate in technical competitions, exhibitions at various national technical institutes and universities.

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

The details of the library facility are as on 02.03.2017 is follows:

S.No.	Item	Available	
		Title	Numbers
1	Number of books	7677	112049
2	Annual addition of books	451	6591
3	Periodicals Hard copies / online	209	Online Journals (10 Databases)
4	CDs	Yes	6075
5	Internet Browsing Facility	Yes	10 dedicated systems

Besides, NIET also has access to IT Academy from Microsoft and tools & library from Apple to enable the researchers' with modern technology content.

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

NIET is making constant efforts towards the growth and development of students by providing ample opportunities for industry interactions to bridge the gap between academics and industry requirements. The Institute has established various test centers and laboratories in collaboration with various companies/organizations. The list is as follows:

S. No.	Test center/laboratories/Certification	Name of the organization
1	Microsoft Innovation Center	Microsoft Inc.
2	Prometric Test Center	Thomson Prometric
3	Pearson Test Center	Pearson VUE
4	Center of Competence	PTC
5	Apple University Partner	Apple Corp.
6	Microsoft Cloud Campus	Microsoft
7	Cloud Computing Lab	IOTA Cell
8	Internet of Thing(IOT) using Raspberry Pi	IOTA Cell
9	Mobile Application Development on Android Platform	IOTA Cell
10	Big Data	IOTA Cell
11	Product Design and 3D printing	IOTA Cell
12	Embedded Systems	IOTA Cell
13	Clinical Research, Bio-Informatics & SAS	Simulanis Solutions Pvt. Ltd.
14	Process Modelling & Simulanis	
15	MiBeat Lab	CARDEA LAB
16	Cisco Network Academy	Cisco

17	Virtual Robotics Lab	Indo-Euro Sync/Applied Robotics Control Lab, Germany
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NIET promotes the collaborative research by supervising research works conducted at various institution of repute like IIT Roorkee, NITs, Jamia Hamdard, Jamia Milia Islamia, GGSIP University, NDRI Karnal, etc.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- Patents obtained and filed (process and product)

Faculty members are under process of filing the patent. The details are as following:

1. Patent Granted in the Calendar Year 2013 : 3

Sr. No.	Patent Number	Patent Approval Letter	Name of Faculty
1	OW102815	MULTIBAND MICROSTRIP_NIET (2013) https://myows.com/ows/download/102815	Dr. V.K.Pandey, Raj Jaiswal, Mr. Jitendra Saroj & Ambuj Dwivedi
2	OW102812	FRACTAL PATCH ANTENNA_NIET (2013) https://myows.com/ows/download/102812	Kavita Sharma, Pooja Gautam, Dr. V.K.Pandey and Jitendra Saroj
3	OW102667	Electromagnetic_Kinetic_Mover_NIET (2013) https://myows.com/ows/download/102667	Praveen Pachauri and Prateek Pandey

2. Patent Granted in the Calendar Year 2014 : 4

Sr. No.	Patent Number	Patent Approval Letter	Name of Faculty
1	3812/DEL/2012 A	http://www.ipindia.nic.in/writereaddata/Portals/1/IPOJournal/1_156_1/official-journal-26-09-2014-part1.pdf	Praveen Pachauri and Shantanu Mishra

2	OW102662	STEAM BULTLER WITH HANGER_NIET (2014) https://myows.com/ows/download/102662	Praveen Pachauri and Deepak Shukla
3	OW102670	Hexagonal_Nut_Opener_NIET (2014) https://myows.com/ows/download/102670	Praveen Pachauri and Deepak Shukla
4	OW102814	PRINTED CIRCUIT BOARD_NIET (2014) https://myows.com/ows/download/102814	Satyendra Sharma, Shiv Kumar Gehlot, Neha Suyal, Monika Dey

3. Patent Granted in the Calendar Year 2015 : 6

Sr. No.	Patent Number	Patent Approval Letter	Name of Faculty
1	OW102813	MICROSTRIP SLOT ANTENNA_NIET (2015) https://myows.com/ows/download/102813	S.D.Choudhary, Devendra Pratap, Gurunam Panwar, Nikita Raghuvanshi
2	OW102811	MICROSTRIP PATCH ANTENNA IN PCB LAB_NIET (2015) https://myows.com/ows/download/102811	Surya Deo Choudhary, Devendra Pratap, Nandini Tyagi and Avinash Pandey
3	OW102669	Petri_Dish_Stack_NIET (2015) https://myows.com/ows/download/102669	Praveen Pachauri and Pankaj Kumar
4	OW102598	Steam Butler with hanger NIET (2015) https://myows.com/ows/download/102598	Praveen Pachauri and Deepak Shukla
5	OW102671	Cabinet_Dustbin_NIET (2015) https://myows.com/ows/download/102671	Praveen Pachauri and Deepak Shukla
6	Awaited	Instrument Transformer (0-12V) Awaited (2015)	Ashish Yadav, Ashutosh Kumar Singh, Satyendra Sharma & Shiv Kumar Gehlot

- **Original research contributing to product improvement**
 - Prof Satyendra Sharma has developed a transceiver system for low power and high frequency EM radiation to minimize its effects on human body.
 - A digital stick to help and guide blind people on road was designed and developed by EC department.
 - An Ultrasonic RADAR was designed to find out the hideouts of terrorist in sensitive places by ECE department.
 - The department of Mechanical Engineering has developed a four wheeler run by compressed air to meet out deficiency of conventional fuel and prevent air pollution.
 - New Flux Development for SAW process.

- **Research inputs contributing to new initiatives and social development**
 - Faculty of ECE department has developed a high frequency EM radiation transceiver system to minimize its effects on human body.
 - Faculty & Students of ECE department have designed and developed a digital stick to guide blind people on road.
 - An Ultrasonic RADAR was designed to find out the hideouts of terrorist in sensitive places by ECE department.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes, the Institute publishes the following journals:

- ***NIET Journal of Engineering and Technology (Annual)***
Editorial Board:
Editor - Dr S Gairola (Dean, R & D)
Associate Editors: All Heads of Departments

- ***NIET Journal of Management (Annual)***
Editorial Board:
Chief Editor: Shri S. Nagpal
Editor: Dr Dileep Singh

Publication Policy: The research journals at NIET aim to support the scholars working in different fields of engineering and management, devoted to innovation, expertise and novel ideas.

The journals are not enlisted in international database.

3.4.3 Give details of publications by the faculty and students:

- **Publication per faculty:** 2 Papers (Approx.)
- **Number of papers published by faculty and students in peer reviewed journals (national / international)**

Number of papers published by faculty and students: 568

- **Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**

- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN numbers
- with details of publishers : 12
- Citation Index : 2897.0
- SNIP : 50.24
- SJR : 47.56
- Impact factor : 305.81
- h-index : 119.0

- Status as on January 2017

3.4.4 Provide details (if any) of

- **research awards received by the faculty**

Name of faculty	Award Received
Dr Ajay Kumar, Ms Daizy Rajput and Dr Sudhir Kumar	Best Paper Award by Indian Foundry Association, Gandhinagar (Gujarat) in 2014

- **recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**

Dr S Gairola received prestigious INAE award at Indira Gandhi Atomic Research Center, Kalapakkam, Tamilnadu, in December 2009 for his innovative research.

- **incentives given to faculty for receiving state, national and international recognitions for research contributions**
- NIET encourages the research publication by providing honorarium to those faculty members who publish their research papers in any journal listed in ‘Thomson’s Science Citation Index’ (SCI):
 - First Author: Rs. 4,000/-
 - Second Author: Rs. 3,000/-
 - Third Author: Rs. 1,000/-
- The details of research paper published in SCI Indexed journals in last three years is given below.

Session	No. of research Papers published in SCI Journals	No. of researchers benefitted	Amount given
2013-2014	32	12	Rs.93000.00
2014-2015	12	07	Rs.33000.00
2015-2016	08	03	Rs.28000.00

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

An Institute–Industry Interaction Cell and Incubation Centre have been established centrally, regularly to enhance the industry participation in the academics. The Institute-Industry Interaction Cell interacts with industries to ascertain their needs in case they are needed to be incorporated in the curricula. Besides arranging meetings with industry personnel, every semester the cell explores the possibility of making new technical collaboration. The gap between the industrial requirements and the course curricula is bridged by holding special classes and providing the required teaching to the students.

The Cell also aids in the assessment of students-related industry objectives of the department. The degree to which the objectives are attained is presented in review meetings conducted at the Institute level and proper remedial action is taken in the event of any non accomplishment of set objectives. Every department explores the possibility of its students to undergo in-plant training and to carry out their academic project work in such industries.

Objective of Institute–Industry Interaction Cell:

- To bridge gap between the Institute and the industry

- To arrange expert Professors of eminent personalities
- To enhance inherent skill of faculty by arranging visits to industry
- To develop the skills to make the students placed
- To get acquainted with practical or real world problems
- To get acquainted with industry requirement, process, managerial skill
- To liaise with R&D for knowledge sharing
- To take review of curriculum and suggest the desired inclusion in the syllabus.

The feedbacks provided by our alumni working with many reputed organizations help in campus placements.

The Institute has established Pyramid Finishing School for the proper guidance and training of the students in order to make them ready for the interview and the current demands of employability.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The Institute has policy of sharing its labs, information resources and faculty expertise for the benefit of society and industries.

Institute has strong policy to encourage faculty members to undertake consultancy projects & assignments on a shared profitability basis.

Some of the experienced faculty members are approved University research guides who help in the field of research to the upcoming researchers.

Consultancy works are very much allowed to carry out in-house with the available equipments in the department.

Periodically the updated literature about the institution has been sent to prospective companies highlighting the latest achievements including the facilities available within the department.

Major areas of expertise are advertised through department homepage in the main college website and also through technical events/programmes, customized e-mails, public aware talks, NIETimes, Newsletter, advertisement through print and electronic media, etc.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

In order to encourage the staff and faculty members to utilize their expertise for consultancy, their academic and administrative work load is reduced during consultancy works. They are also provided with the necessary available equipments to carry out their task smoothly and conveniently.

Each department is motivated to develop the multi disciplinary facilities to address the present needs of both students and industries.

The Institute has also established Patent Facilitation Centre in order to promote the research development and technology commercialization.

Faculty members involved in consultancy are permitted to use college resources. The Institute organizes various programmes on product development, design and research methodology which encourages the staff for consultancy. The Institute deputed the staff for industrial training where they can find the potential for consultancy.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The broad areas include Computer Science & Engg, Mechanical Engg, Electronics Engg, Civil Engg, Chemical Engg and Biotechnology.

Consultancy Projects					
S.No.	Financial Year	Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)
1	2015-16	1. Dept. of ME and ECE	TSSC	Skill Development under PMKVY	750000.00 (awaited)
		2. Dept. of CSE and IT	Thomson Prometric	Online Examination System	898323.00
		3. Dr P.Pachauri, Dept of Mechanical Engg	Armaan Industries	Fabrication of grippers	10000.00
		4. Dr Ravikant Singh, Dept of Chemical Engg	Sarvottam Institute of Technology	Lab support	10000.00

	and Management		
5. Dr. Sanjay Gairola, Dept. of Electrical & Electronics Engg	Sangal Paper Ltd	Electrical Energy Audit of Paper Mill	40000.00
6. Dr Sanjay Gairola, Dept. of Electrical & Electronics Engg	Enertia Sun Power Pvt Ltd	Roof-top Solar Power Plant Design	80000.00
7. Dr P. Pachauri, Dept of Mechanical Engg	Enertia Sun Power Pvt Ltd	Design of steel structures	80000.00
8. Dr Dileep Singh, Dept of Management Studies	Enertia Sun Power Pvt Ltd	Feasibility Study of Solar Energy Utilization	150000.00
9. Dr N.R. Chandak, Dept of Civil Engg	MSY Medical College	Design of structure	900000.00
10. Dr. V.K.Pandey	Synergy Telecom Pvt Ltd	Design of Patch Antenna	50000.00
11. Prof. Vineet Verma	Skydev Software Solution Providing Pvt Ltd	Cloud Analogy	15000.00
12. Lokesh Kachchwa	Bigdrop	Bigdrop	30000.00
13. Dr. Sanjay Gairola	Enertia Sun Power Pvt Ltd	Design of Roof-Top Solar Power Plant for MSY Medial College Lalpur, Meerut	50000.00
14. Deptt. Of CSE	Sangal Paper Ltd	Implementation Planning of ERP Software	60000
15. Deptt. Of CSE	Sangal Paper Ltd	Optimization of WiFi Hotspots	50000.00
16. Deptt. Of CSE	Sangal Paper Ltd	Implementation of Firewall	30000.00

		17. Dr. Ravikant Singh	Sangal Paper Ltd	Decolorization of paper mill effluent	80000.00
		18. Dr. P. Pachauri	Sangal Paper Ltd	Audit of Maintenance work in powerplant	40000.00
		19. Dr. P. Pachauri	Sangal Paper Ltd	Modification of Waste management system	70000.00
2	2014-15	1. Prof P.Pachauri, Dept of Mechanical Engg	Armaan Industries	Design & Development of Gripper	38000.00
		2. Prof P.Pachauri, Dept of Mechanical Engg	Sangal Paper Ltd	Design of Rollers assembly for paper mill	30000.00
		3. Prof Satyendra Sharma, Dept of ECE	NSDC	Skill Development Programme	400000.00 (awaited)
		4. Dept of Civil Engg	MSY Medical College	Water testing	120000.00
		5. Dr. Suryadeo Chaudhary	Synergy Telecom Pvt Ltd	Fractal Antenna Design for WiMAX	50000.00
		6. Prof P.Pachauri, Dept of Mechanical Engg	Sangal Paper Ltd	Fabrication of Rollers assembly for paper mill	77000.00
		7. Dr. Ravikant Singh	Sangal Paper Ltd	Decolorization of paper mill effluent	93000.00
3	2013-14	1. Prof P.Pachauri, Dept of Mechanical Engg	Sangal Paper Ltd	Design and development of rewinder mechanism	20000.00
		2. Prof Satyendra Sharma, Dept of ECE	Ministry of Defence	HOBORadar	300000.00
		3. Prof P.Pachauri, Dept of Mechanical Engg	Armaan Industries	Design and development of sliding trays	55000.00

		4. Dr. V.K.Pandey	Synergy Telecom Pvt Ltd	Patch Antenna for LTE	50000.00
		5.Prof P.Pachauri, Dept of Mechanical Engg	Sangal Paper Ltd	Fabrication of rewinder mechanism	60000.00

3.5.4 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

The income generated through consultancy is divided in two parts:
- 40% Institute, 60% Staff

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighbourhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

- The institute promotes institution-neighbourhood-community network and students’ engagement in community services in the following manner:
- Community service through educational drives
- Tree plantation
- Women empowerment programmes
- Marathon (TCS Fit-for-life)
- Life skill seminars & workshops are conducted on regular basis for students & staff to cover topics like decision making, problem solving, lateral thinking, effective communication, interpersonal relationships, etc.
- Self Defense Training for girls
- Save Water & Electricity Awareness programmes
- Cleanliness drive (Swachh Bharat Abhiyan)
- Other social works like distribution of cloths to poor people

3.6.2 What is the Institutional mechanism to track students’ involvement in various social movements/activities which promote citizenship roles?

The office of Dean (Students’ Welfare) of the Institute organizes various programmes to ensure students’ involvement in the social movements and activities. The institute has organized a marathon Fit4Life in collaboration with TCS to raise the awareness regarding fitness. A training programme for self defense of women was organized in association with Aseem Nari Shakti. From time to time the Institute organizes debate programmes on social issues. Through value education, the Institute tries to increase the students’ awareness of their responsibilities and rights as well as modern vices, e.g. environmental issues.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

In order to solicit stakeholder perception and the overall performance and quality, the Institute’s strategies are as follows:

- Feedback is collected from the students in writing to judge their perception on the overall performance of the teachers, teaching methodology, etc.
- Certain forms and formats have been designed to collect feedback from the stakeholders. This includes Alumni feedback, Graduate exit, Parents feedback, Employers feedback, etc.
- Every year, an Alumni meet is conducted during last week of February in which Alumni feedback is solicited for implementation.
- The feedback collected from recruiting companies is used to overcome shortcomings of the Institution.
- Experts from industry and academia are invited and their feedback is used to improve quality and performance of the Institute.
- From time to time the Institute informs parents about the progress of their wards through letters, phone calls and SMSes.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The office of Dean (Students’ Welfare) of the Institute organizes various programmes to ensure students’ involvement in the social movements and activities. Budgetary details are as follows:

Financial Year	Budget	Utilized Amount in Rs.
2015-2016	1800000.00	1931500.00
2014-2015	250000.00	251906.00
2013-2014	250000.00	192697.00
2012-2013	1500000.00	1920959.00

Following programmes are organized by the Institute:

- Skill development programmes under PMKVY.
- DDU-GKY
- Venture Conclaves
- Community service through educational drives
- Community service through awareness camps
- Tree plantation
- Swachh Bharat Abhiyan

- Women empowerment programmes
- Technical quizzes and contests

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

- In association with Aseem Nari Shakti, the Institute has organized a self defense programme for women.
- Organizing educational drives & awareness camps through NSS.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

The Institute is situated in Knowledge Park, Greater Noida, which is an upcoming knowledge hub and new institutes are coming up and existing institutes are also increasing their infrastructure to cater to the needs of increased intake. Through the survey, the Institute observed the social strata of the laborers' and realized that they are not able to send their kids to school. So the Institute took an initiative to educate the wards of the poor laborers' and their certification from City Vocational Public School. The Institute runs Rainbow School since 2009 for the wards of underprivileged section of the society. Two full time teachers, one mentor, and volunteer students take care of their classes. The Institute provides all required infrastructure, furniture, computers, stationery, uniform and meal.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The objective of the extension activities organized by the Institute is to raise the social awareness for improvement in the quality of life. The above mentioned extension activities have created and boosted theoretical as well as practical knowledge among the students. Their academic learning is strengthened and made versatile by learning experiences. The extension activities imbibe following among the students:

- Values like social responsibility, fraternity and brotherhood is inculcated
- Develops scientific temper and critical thinking
- Management skills, leadership qualities and decision making abilities are nurtured
- Sensitized to issues of social importance and gender equality

These activities sensitize students towards critical issues concerning the society and environment such as poverty, social injustice, gender bias, pollution evils and the corrective measures to counter them.

Outcome

The participation in various extension activities has resulted in social awareness of students. Following are the outcomes of extension activities:

- Holistic development of the students
- Students can develop lifelong learning skills. They can apply the knowledge to solve the community problems.
- Development of Entrepreneurial skills
- Strong Leadership Skills
- Operation and team management Skills

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The student teams visit nearby villages and make the people aware of the forthcoming events. The Institute organizes several reach out activities and surveys are conducted amongst the local community people to have their suggestions. Communal harmony event is conducted once a year. The Institute always gives importance to teach poor students of the Institute. For which special classes are arranged after the class hours. There is an in-campus school, Rainbow School, for workers' children.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- NIET has a tie-up with NGO – Aseem Nari Shakti to train the females of the Institute on Self Defense tactics.
- The Institute has also conducted a marathon called Fit-for-Life along with Tata Consultancy Services.
- NIET has organized and sponsored the first “Corporate Premiere League”, a cricket tournament for the corporate world. There were 36 teams from various corporate houses participating in the tournament such as WIPRO, HCL, Radio Mirchi, Mohan Meakins, Indiamart.com, ING Vysay Bank, CVent etc.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

The Chairperson, the Managing Director, the Additional Managing Director, the Executive Vice President and Director of the Institute have been felicitated by various social organizations for their contribution to the society. The Institute has also got recognition for its efforts from

- NIET, Greater Noida was awarded with “India Excellence Award 2017” for its “Best Academic & Placement in U.P” by Shri Prakash Javadekar (Hon’ble Union Minister of HRD, Government of India).
- ASSOCHAM, India awarded NIET, Greater Noida as “Best Institute for Academic & Placement in U.P”, 2017.
- NIRF Ranking : Awarded 99th in India by MHRD, Govt. of India, 2015-16
- Awarded as “Great Place to Study” by House of Commons, London(UK), 2015-16
- Times of India awarded NIET as 1st in Greater Noida and 27th in India as Top Private Engineering Institute, 2016
- ASSOCHAM, India awarded NIET, Greater Noida as “Best Technical Institute in U.P”, 2016
- ASSOCHAM, India awarded NIET, Greater Noida as “Best Institute of Innovative Education & Placement”, 2016
- WCRC awarded NIET, Greater Noida as “Best Engineering Institute for Outstanding Placement”, 2015-16
- TCS Sparsh awarded NIET, Greater Noida with “Highest Participation of Students” in “TCS Flagship Contest”, 2016
- Awarded as “Visionary Minds” by Aspiring Minds, 2015-16; 2014-15
- “Outstanding Institution Award” 2014-15 by NITTTR
- Awarded “Leading Institution in Skill Development and Placement” by Times of India
- Awarded “Asia’s Best & Fastest Growing Education Institute in Asia” by WCRC Leaders at Singapore, 2014-15
- Awarded “Best Institute for Excellence in Education” by Times India Survey, 2015
- Got TCS Award, twice for doing maximum a Aspire registrations

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The Institution collaborates and interacts with research laboratories, institutes and industry for research activities in the following ways:

- MoUs signed with 40 companies for research and consultancy
- Tie-ups with industries for Industrial visits, guest lectures, workshops, etc.
- Collaboration with IIT Delhi for virtual lab experiments
- The Institute is Microsoft Ed-Vantage Platinum Partner

Example & benefits occurred:

Benefits:

- Students got practical exposure

- Our students take-up their industry problems in the form of minor and major projects to bridged the gap between industry and academia.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

The Institution has signed many MoUs for training and development of students, guest lectures, participation in technical events etc. Some of the important organizations with which MoUs have been signed are as follows:

S.No.	Company Name	Located at	Date Of MoU	Tenure of MoU
1.	Ava Hanfab Pvt. Ltd.	Meerut	25.07.2015	2 years
2.	Viraj Automobiles Pvt. Ltd.	Noida	23.07.2014	2 years
3.	Dev Priya Industries Ltd.	Meerut	30.07.2014	2 years
4.	Kadambari Auto Parts Pvt. Ltd.	Greater Noida	07.08.2014	2 years
5.	CoreEmbedded Technologies Pvt. Ltd.	Noida	30.07.2014	1 year
6.	Anand Allied Industries	Ghaziabad	23.08.2014	2 years
7.	Armaan Machinery & Engineering	Greater Noida	25.08.2014	2 years
8.	B-Earth and Spire India Pvt. Ltd.	New Delhi	29.08.2014	2 years
9.	Chamunda Papers Private Ltd.	Delhi	27.08.2014	2 years
10.	Sakar India Pvt. Ltd.	New Delhi	09.09.2014	2 years
11	NSB BPO (NCF) NSB Career Foundation	Noida	09.09.2014	2 years
12	STG Heating Pvt. Ltd.	Delhi	2016	2 years
13	Kunj Forgings Pvt. Ltd.	Ghaziabad	21.07.2016	2 years
14	Shyam Forgings Pvt. Ltd.	G.B.Nagar	21.07.2016	2 years
15	Codon Biotech Private Ltd.	Noida	12.07.2016	2 years
16	3st Technologies Pvt. Ltd.	Noida	05.11.2016	2 years
17	Institute for Industrial Research & Toxicology	Ghaziabad	16.09.2016	2 years
18	Virtual Lab, IIT, Delhi	Delhi	2014	-
19	Monkfox (A unit of Glia Services Pvt. Ltd.)	Bengaluru	2015	
20	Aspiring Minds Assesment Pvt. Ltd.	Delhi	2016-2017	1 year
21	AKSS Consulting Services Pvt. Ltd. (NIET-TBI)	Greater Noida		
22	SolidTeam Consultancy	Bengaluru	2016-2017	1 year
23	Microsoft Inc.	USA	2016-2017	1 year
24	PTC	Bengaluru	2016-2017	1 year
25	Cisco	Gurugram	2016-2017	1 year
26	CARDEA LABS	Bengaluru	2016	2 years

27	APS GmbH	Indo-Euro Sync., Germany	2016	3 years
28	SkillTree Global Knowledge Consortium Pvt. Ltd.	Delhi	2016	1 year
29	EMC ²	Delhi	2016	3 year
30	TSSC, Govt. of India	Delhi		
31	GlobalAssessment of Information Technology (GAIT)	Japan	2016	1 year
32	Monster India	Noida	2015	1 year
33	Nicco Ventures	Kolkata	2016-2017	1 year
34	Talent Grids	Bengaluru	2016-2017	1 year
35	ICICI Direct	Delhi	2016	1 year

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/new technology /placement services etc.

The Institute has organized various programmes, training workshops, industrial visits, which resulted in better placement of the students. The Institute has collaborated with various organizations for the same. Some programmes are listed below:

Activities of placement cell (Batch 2015)		
a)	Mock interview/ Technical interview/ HR interview	440 Hours (B.Tech), 80 Hours (MBA/PGDM)
b)	Career guidance workshop	40 Hours (B.Tech), 80 Hours (MBA/PGDM)
c)	Personality development programmes	520 Hours (B.Tech), 80 Hours (MBA/PGDM)
d)	Industrial visits	Maruti (2014 and 2015 ME Students)
e)	Industrial training	Barco (MBA Students)
		Ashlar (MBA Students)

Photographs of few training events:



In addition to the above mentioned the Institute has established various test centers and laboratories in collaboration with various companies/organizations.

The list of certifications is as follows:

S. No.	Certification/Test center/Laboratories established	Name of the organization
1	Microsoft Innovation center (Microsoft Ed-Vantage)	Microsoft Inc
2	Six Sigma Certification	KPMG
3	Prometric test Center	Thomson Prometric
4	ICICI Direct Certification	ICICI Pvt. Ltd.
5	Pearson Test Center	Pearson VUE
6	Center of Competence	PTC
7	Apple advanced application development center	Apple Corp.
8	Microsoft Cloud Campus	Microsoft
9	Cloud Computing Lab	IOTA Cell
10	Internet of Thing(IOT) using Raspberry Pi	IOTA Cell
11	Mobile Application Development on Android Platform	IOTA Cell
12	Big Data	IOTA Cell
13	Product Design and 3D Printing	IOTA Cell
14	Embedded Systems	IOTA Cell

15	Clinical Research and Bio-Informatics	Simulanis Solutions Pvt. Ltd.
16	Virtual Robotics Lab	Indo-Euro Sync/Applied Robotics Control Lab, Germany
17	MiBeat Lab	CARDEA LABS

3.7.4 Highlighting the names of eminent scientists/ participants who contributed to the events, provide details of national and international conferences organized by the college the last four years.

The names of eminent scientists/participants are as follows:

S. No.	Name of Professor/ eminent scientists/ Participants	Details of the programmes	Year
1	Shri Veer Bhadra Singh, Cabinet Minister, MSME, Govt. of India	Skill Development Sensitization Programme	2012
2	Dr Ved Prakash, Chairman, UGC, MHRD, Govt. of India		
3	Dr S S Mantha, Chairman, AICTE, MHRD, Govt. of India		2012
4	Shri Ashok Singh, Chairman, CBWE, Ministry of Labour, Govt. of India		2012
5	Shri Azam Khan, Cabinet Minister, UP Govt.	Placement Felicitation Ceremony	2013
6	Sri T.K.A. Nair, IAS, Advisor to Hon'ble Prime Minister of India	National Seminar on entrepreneurial Development	
7	Padamshri Prof V. S. Chauhan, Director, International Centre for Genetic Engineering and Biotechnology	National Seminar on entrepreneurial Development	
8	Prof Moinuddin, Former Pro Vice-Chancellor, Delhi Technical University	National Seminar on entrepreneurial Development	

9	Shri. Venkatesh Sarvasiddhi, Head-Academic Programs & Initiatives, Microsoft India	National Seminar on entrepreneurial Development	
10	Prof. R.K. Khandal, VC, UPTU, Lucknow	Placement Sensitization Programme	2013, 2014
11	Shri D K Mittal, IAS, Secretary, Govt. of India	National Conference NCES-2013	2013
12	Dr. R. S. Nirjar, Former Vice-Chancellor, Gautam Buddha University, Greater Noida	An International conference and exhibition on CETCME-2015	2015
		Organized on 21-22 March, 2015	2015
13	Dr. Sarvesh Swarup, Former DDG, Ministry of Commerce and Industry, Govt. of India	Expert Lecture in civil department	2013, 2015
14	Dr. Sujit Kumar Saran, Principal Scientist, CBRI, Roorkee	National Conference RTEE	2012
15	Prof. Mehtab Alam, Jamia Millia Islamia, New Delhi	National Conference RTEE	2012
16	Prof S K Kak, VC, MTU, Noida	National Conference RTEE-2012	2012
17	Prof. Pradeep Kumar, VC, DTU Delhi	An International conference and exhibition on CETCME-2015 Organized on 21-22 March, 2015	2015
18	Dr. R. K. Mishra, Gautam Buddha University, Greater. Noida	An International conference and exhibition on CETCME-2015 Organized on 21-22 March, 2015	2015
19	Prof. R. S. Nirjar, Ex. VC Gautam Buddha University, Gr. Noida	An International conference and exhibition on CETCME-2015	2015
20	Dr. A. K. Gautam, GBPEC, Pauri Garhwal	Organized on 21-22 March, 2015	2015

21	Dr. A. K. Singh, NIT Kurukshetra	A National Conference On Research And Innovations In Electronics And Communication Engineering RIECE-2K14 organized on 10-11 October 2014	2014
22	Dr. Satyakesh Dubey, NPL, New Delhi		
23	Mr. Nitin Bajaj, Account Director, TCS		
24	Prof. Brahmjit Singh, NIT Kurukshetra		
25	Prof. Mirgender Kumar, IIT BHU, Varanasi		
26	Prof. Kunal Singh, IIT BHU, Varanasi		
27	Prof. Surbhi Singh, G.B. Pant Engg. College, Pauri Garhwal		
28	Prof. Sumit Kushwaha, KNIT, Sultanpur		
29	Prof. Hemant Kumar, IIT BHU, Varanasi		
30	Prof. Naina Narang, CSIR, NPL, New Delhi		
31	Dr. A. K. Sharma, IIT Roorkee	QIP on Advances in Mechanical Engg (14th & 15th May, 2014)	2014
32	Dr. Akshay Dvivedi, IIT Roorkee		
33	Dr. P. K. Jain, Prof. IIT Roorkee		
34	Dr. Hari Singh, Prof. NIT Kurukshetra		
35	Mr. Dalip Singh, President, AEE, Delhi	Expert lecture on Energy Audit and Management	2016
36	Prof. D. Haan, Germany	Inauguration of Advance Robotics Lab	2016
37	Dr. R.K Mishra, GBU, Gr. Noida	MSMES-2016, STTP	2016
38	Dr. RamjiLal, Prof. IIT Delhi	MSMES-2016, STTP	2016
39	Dr. VikasRastogi, Professor, MED, DTU Delhi	MSMES-2016, STTP	2016

40	Dr. H.K Sahjwani	Workshop on Entrepreneurship Prospects in Solar Energy	2016
41	Er. Mitesh Kumar	Workshop on Basics of Welding	2016
42	Prof. N. Rajesh, Bangalore	Expert Lecture on Composite Materials	2016
43	Mr. Raman Talwar, CEO, Simulanis Solution Pvt. Ltd, Delhi	Summer Training on Modelling & Simulation	2015, 2016
44	Mr. Neeraj Chauhan, Trainer, Simulanis Solution Pvt. Ltd, Delhi	Summer Training on Modeling & Simulation	2015, 2016
45	Dr. B.N. Mishra, Professor & Head, Department of Biotechnology, IET, Lucknow	Curriculum Development Workshop for B.Tech. Biotechnology	2016
46	Dr. Chaitale Ganguly, Director, CET-IILM, Greater Noida	Curriculum Development Workshop for B.Tech. Biotechnology	
47	Dr. Meenu Singh, Professor & Head, Department of Biotechnology, CET-IILM, Greater Noida	Curriculum Development Workshop for B.Tech. Biotechnology	
48	Dr. Ajay Kumar Sharma, Professor & Head, Department of Biotechnology, MIET, Meerut	Curriculum Development Workshop for B.Tech. Biotechnology	
49	Dr. Tripti Bhatnagar, Managing Director, Codon Biotech Pvt. Ltd, Noida	Curriculum Development Workshop for B.Tech. Biotechnology	2016
50	Dr. K. K. Gaur, Director, Mangalmay Group of Institutions, Greater Noida	Curriculum Development Workshop for B.Tech. Biotechnology	
51	Dr. Savita Chaurasia, Professor, IMS Engineering College, Ghaziabad	Curriculum Development Workshop for B.Tech. Biotechnology	

52	Dr. S. P. Dwivedi, Professor, IFTM University, Moradabad	Curriculum Development Workshop for B.Tech. Biotechnology
53	Dr. Vinay Dwivedi, Direcor, IIMT, Meerut	Curriculum Development Workshop for B.Tech. Biotechnology

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -

- a) Curriculum development/enrichment
- b) Internship/ On-the-job training
- c) Summer placemen
- d) Faculty exchange and professional development
- e) Research
- f) Consultancy
- g) Extension
- h) Publication
- i) Student Placement
- j) Twinning programmes
- k) Introduction of new courses
- l) Student exchange
- m) Any other

The linkages/collaborations that have actually resulted in 32 formal MoUs and agreements.

a) Curriculum development/enrichment

NIET is an affiliated institute and hence cannot change the curriculum of the University; however, the Institute has adopted some enrichment programmes under PFS to benefit its students (viz. POTAS, Elenze, special training programs to meet the needs of industry like TCS, Murugappa Group, etc)

b) Internship/On-the-job training

Proper contacts with industries and organizations are maintained to ensure in-plant training and internship opportunities to the students of the various programs. NIET has a tie-up with LetsIntern (www.letsintern.com) to provide the internship opportunities to the students.

c) Summer placement

The students of MBA are given opportunity for summer placement through letsintern.

d) Faculty exchange and professional Development:

Faculty from the Institute are invited for expert lectures and training in various academic and industrial institutions. For example:

- Prof Bharat Bhargava from Purdue University, USA, and Prof. Mark Dixon, Plymouth

University and many professors from premier institutes of India visited NIET and delivered professional talks.

- Mr H S Pali from Mechanical Engineering, NIET, visited Nigeria for research work on Biodiesel fuel development and some other professors of the Institute also visited other institutes to share their expertise.

e) Research

The M.Tech students of the Institute visit the reputed industries for their dissertation work. For example the students had undergone their research work in ST Microelectronics, Sunstar Precision Forge Ltd., etc.

f) Consultancy

All the departments are involved in consultancy work with many nearby industries.

g) Extension

Various labs/excellence centers have been developed in collaboration with many organizations such as PTC Competence Center, 3D Printing, Internet of Things Lab, Cloud Computing, Modeling and Simulation Lab for chemical plant design, Robotics Lab, MiBeat Lab, etc.

Besides, NIET also has sister concerns under the names of Wizman Technological Services and Ingevgs to cater to the modern technology needs of the students & researchers.

h) Publication

Many students and faculty members have published their research papers in collaboration with people working in other reputed organizations.

i) Student Placement

- We start training our students 2nd Semester onwards itself under Pyramid Fishing School. Further, we have a tie-up with 'Aspiring Minds' who in the beginning of 5th semester assess each student by conducting a test comprising of aptitude and technical questions. This feedback is used as a critical input for categorizing the students and for drawing student specific development plan. With the help of the score, we rank and categorize the students into A, B and C groups. 'A' comprises those students who are good and have a high probability to be placed, 'B' comprises average students and 'C' comprises students who are still not upto the mark and need to be worked hard upon. Thereafter, we customize our curriculum for these three groups and conduct regular workshops 2 hours per week, since then. Student specific feedback is made available to the trainers to be able to modulate and guide the students according to their need. The 'A' group is exposed to advanced technical knowledge (through special classes) over and above their university curriculum, 'B' group is made to emphasize on the curriculum and 'C' is made to work upon their basic concepts. Once the student reaches the 7th semester, well coordinated workshops are organized to prepare them to face placement process. This is where they are made to hone their communication skills, body language, overall personality, aptitude, work place skills and corporate etiquette. We regularly conduct mock interviews internally and at times through specially invited industry leaders as per the different formats of the placement drive.
- To take it further we have recently started Japanese Language Classes for students to cater to the manpower needs of Nokia Siemens, Fujitsu India, TCS etc. We have hired a full time

trainer, who is working under the guidance of Japan Foundation, New Delhi. We have started teaching our students from 2nd semester onwards under Japanese Language Labs for making them employable with Japanese ventures in India.

- Professional student counselors are hired who interact with each and every student to keep them motivated thus resulting in a ‘wholesome’ employable product, all set to face the willing recruiters. The presentations and interviews given by students are video recorded so that relevant feedback can be provided to each student based on his/her performance, enabling them to overcome their shortcomings.
- Our rigorous efforts have resulted in NIET becoming the highest placement provider in the region for consecutively 4 years.

j) Twinning programmes

Plymouth
University, Mersion
Tie-up

k) Introduction of new courses

NIL

l) Student exchange

NIL

m) Any other

-

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

The Institute maintains a separate ‘Projects & Planning’ department for proper planning, establishing and implementing the initiatives of the linkages and collaborations. The Institute has established various cells under this department for the development of industrial linkages, collaborations and Industry Institute partnership. The Institute has established many linkages/collaborations with various industries and research institutes to train the students and the faculty members. Following steps have been taken under the collaborative efforts:

- Inviting Experts from various divisions of industry to deliver guest lectures and to give key note address in conferences, workshops and symposiums. The institute organized leadership programs for transformation of senior leaders from time to time.
- Conducting joint technical programs and events with other organizations.
- Establishing Industry-Institute Interaction cell in the department and conducting periodical meetings
- MoUs with various organizations to establish the linkages/collaborations for academic and research activities
- Establishing new labs for latest technological training & research
- Technology Business Incubator

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

The institute is an Authorized training partner with Telecom Sector Skill Council (TSSC) NSDC, PMKY and DDU-GKY, Govt. of India for training programmes in Skill development.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The Institution has a well-defined policy to provide good infrastructural facilities for ensuring academic excellence, inline with the norms and guidelines of AICTE. To facilitate quality education to the students, the Institute's policy for infrastructure focuses on:

- To develop state-of-the-art infrastructural facilities as per need of academia
- To meet the requirement of research & development activities
- To upgrade classrooms, seminar halls, conference halls, laboratories, faculty chambers, etc.
- To provide basic amenities to all personnel
- To ensure accessibility of modern tools like internet, virtual labs, ICT, etc.
- To provide safety and security to all
- To develop facilities for achieving 100 % result and placement
- To create pleasant and conducive environment for education
- Greenary campus
- Well ventilated classrooms with adequate power and lighting

4.1.2 Detail the facilities available for

A) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

The Institute regularly conducts a number of technical events for the benefit of both students and staff. Each engineering department with the help of its associations regularly conducts technical symposia. To enhance the technical skills of the students and the faculty members and to make them aware of new industrial and academics trends, the Institute conducts techfest, seminars, workshops, conferences, etc. To exhibit new ideas and innovations of students, the Institute conducts a PROJECT EXPO every year. The technical event includes activities such as technical quizzes, debates on technical topics, robotics competition, technical drawing etc.

Class Rooms

College has spacious classrooms with proper sitting arrangements. Every classroom is equipped with LCD projector.

Technology-Enabled Learning Facilities available are:

- Smart classes
- NPTEL membership

- Microsoft Innovation Centre
- Microsoft Cloud Campus
- PTC Centre of Competence
- Cisco Network Academy
- Amazon Web Services Educate
- iOS Apple University Partner
- Internet of Thing(IOT) using Raspberry Pi Lab
- Mobile Application Development on Android Platform
- Big Data Lab
- Product Design and 3D Printing Lab
- Embedded Systems
- Clinical Research & Bio-Informatics
- Robotics Lab
- CARDEA MiBeat Lab
- Virtual Labs
- Wi-Fi

Tutorial Rooms

Tutorial rooms are available in each department for special WSDP classes for weak and needy students.

Laboratories/Workshops

The Institute has well equipped laboratories and workshops which are utilized for practical work and also for students' projects.

Seminar Hall /Auditorium

The Institute has a well-equipped central auditorium to accommodate 1000 persons at a time. Apart from it each department has its own seminar hall to conduct various events like seminars, guest lectures, workshops, symposia, meetings.

Career Management Cell (CMC) and Pyramid Finishing School (PFS)

The Institute has well equipped CMC and PFS for the career growth of the students. NIET manages separate infrastructure for organizing training & placement activities.

1. Dedicated 18000 sq. ft. area with complete corporate facilities
2. Auditorium of 1000 seating capacity
3. 4 live rooms with audio/visual facility
4. 15 Interview Cabins
5. 2 Round Table Group Discussion rooms
6. 1 conference room with Video Conferencing facility
7. 1 waiting lounge
8. Computer Labs with more than 1500 computers connected to Internet / LAN & WiFi
9. Seating capacity of whole college is 2600 students for written examinations

10. Tie-ups with Hotels like Stellar Gymkhana, Formule 1, Jaypee Greens, Radisson Blu, etc for best-in-class hospitality for the recruiters
11. 4 luxury cars for smooth, safe & hassle free pick & drop of officials
12. State-of-the-art Reprographic Facility
13. Etiquette Lab
14. Yoga Room
15. Complete WiFi Campus
16. Various advanced labs like Cloud Computing, Android Application, Big Data, etc.

B) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

The Institute encourages and facilitates students to participate in different extra-curricular activities like sports, cultural events, debates, yoga classes etc. The office of Dean, Students Welfare looks after all cultural, sports and extra-curricular activities of the Institute.

Sports

In sports, the Institute provides facilities for both indoor and outdoor games to the students. A large number of sports activities are organized helping the students display their talent in sports activities. Our students have shown their potential in various inter-college, interstate events.

Outdoor Games

A sprawling play ground is available for outdoor games like cricket, football, volleyball, basketball, etc.

Indoor Games

Facilities for the indoor games like table tennis, chess, carom, etc. are provided to the students. Yoga and meditation classes are also regularly organized by the Institute.

Cultural Activities

Every year the college organizes Annual Day, Orientation Day, Fresher’s Function, Alumni Meet and Farewell Function, in which students exhibit their talents. Apart from these the Institute regularly organizes various competitions like painting (canvas, face & t-shirt), singing, dancing, photography, etc.

Personality Development Programmes

To groom the personality of the students, the Institute organizes various events like paper presentation, power point presentation, debate, group discussion, etc. Apart from it, special classes are held to improve the communication skills of the students.

Gymnasium

The institution has a central **gymnasium** in college campus where registered students and faculty members do workout to maintain their fitness.

Auditorium

One central auditorium to accommodate 1000 persons at a time and another auditorium has capacity of 350 persons.

National Service Scheme (NSS)

The National Service Scheme (NSS) is an Indian government-sponsored public service program conducted by the Ministry of Youth Affairs and Sports, Government. Institute has a fully functional NSS office under the Programme officer Mr. Annul Kumar. There are about 100 student volunteer (65Boys and 35 Girls). The following activities have been conducted under the umbrella of NSS unit of NIET -

- Village adoption (Nawada, G. B. Nagar)
- Tree Plantation
- Educational Drive
- Swachh Bharat Abhiyan

Hygiene

- Purified RO drinking water (3500 Ltr/Hr)
- Water coolers
- Clean and sanitized Washrooms on all floors
- Pest control and mosquito repellent

Health

- A full time doctor and nurse work in institute's OPD
- Ambulance to carry patients
- Tie-ups with Kailash and Yatharth Hospitals
- Institute conducts yoga & meditation sessions at regular intervals

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

The Institute organizes regular meetings of Internal Academic Council comprising MD, AMD, Executive Vice-President, Director General, Directors, Deans, and HODs to assess the infrastructural needs of each department. The required facilities and infrastructure are taken care of by the department of Projects and Planning on turnkey basis. The infrastructural needs to cater to the long term vision of the Institute are discussed in the Governing Body meeting and the funds are allocated to fulfill the needs.

The Institute ensures to develop the infrastructure and facilities as per the AICTE/PCI norms. Apart from the adequate availability of good infrastructure, the Institute continuously plans expansions or additional requirements that may be needed with the passage of time to promote a

good teaching-learning environment. For example, a new academic block is constructed to meet the demand of classrooms, labs, library, seminar room, research work, etc.

Year	Facility Developed	Amount (Rs)
2015-16	Class rooms, tutorial rooms, seminar halls, laboratories, computers, bus, car, refrigerator, furniture, fire fighting equipments, lab equipments etc	45138753.00
2014-15		71058969.00
2013-14		52674024.00
2012-13		85418399.00

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The Institute ensures that infrastructure facilities are made available to students with physical disabilities. The Institute has made availability of wheel chairs. The ramp has been made for the movement of wheel chair. The Institute has lift in each block to facilitate physically disabled students. As far as possible the classes of such students are arranged on ground floor. A separate washroom is built on ground floor for differently abled students.

4.1.5 Give details on the residential facility and various provisions available within them:

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**
- **Available residential facility for the staff and occupancy Constant supply of safe drinking water**
- **Security**

- **Hostel Facility-Accommodation available**
 - The Institute provides well furnished hostel accommodation to its students. The Institute has total four hostels, one for girls and three for boys.

- **Recreational facilities, gymnasium, yoga center, etc**
 - One well equipped gymnasium
 - Indoor and outdoor games facilities (e.g. cricket, football, basketball, table tennis, badminton, carom, etc.)
 - Yoga and Meditation facility

- **Computer facility including access to internet in hostel**
 - Wi-Fi Campus with Reliance Jio Hotspot
 - Computers with Wi-Fi and LAN connectivity in both girls and boys hostels
- **Facilities for medical emergencies**
 - Full time doctor and nurse
 - First aid boxes at different locations
 - Ambulance
 - Collaboration with Yatharth and Kailash hospitals
- **Library facility in the hostels**
 - For hostel inmates the Central library is kept open after college hours till 10 PM and on holidays the library facilities can be availed from 9:30 AM to 5 PM.
- **Internet and Wi-Fi facility**
 - There is 24 hours Internet and Wi-Fi facility with a speed up to 110 Mbps
- **Recreational facility: common room with audio-visual equipments**
 - Every hostel has one common room fitted with one LCD TV with DTH connection.
 - Newspapers and magazines are also provided in the hostels.
- **Available residential facility for the staff and occupancy**
 - The Institute provides residential accommodation to teaching and non teaching staff. There are 47 employees using residential facilities on the campus.
- **Constant supply of safe drinking water is made available through**
 - RO plant
 - Water coolers
 - Borewell
- **Security and Fire safety equipment present are:**
 - Well trained security personnel hired from private security service
 - CCTV camera at all important locations
 - Fire extinguishers
 - Water supply and hose reels on every floor

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

A health care center is available within the campus in which full time doctor and nurse have been employed to attend the medical emergencies of both students and staff. A first aid box is available in each hostel. The Institute has tie-ups with two multi specialty hospitals (Yatharth

Hospital & Kailash Hospital) for students and staff members. The institute has a medical insurance policy for its employees as well as students. To maintain the fitness of its employees and students the Institute has a well equipped gymnasium on the campus. Yoga and meditation trainers provide regular sessions.

4.1.7 Give details of the Common Facilities available on the campus spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

The Institute has clearly marked space for the common facilities available on the campus. These facilities include IQAC (Internal Quality Assurance Cell), Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance cell, Placement Unit, Health Centre, Canteen, recreational space for staff and students, safe drinking water facility, and provision of auditorium etc.

The details of such facilities are here under:

S. No.	UNIT	LOCATION
1	Career Management Cell	A-Block 1 st Floor
2	Students Welfare	B-Block 1 st Floor
3	Proctorial Board	B-Block 1 st Floor
4	Health Centre	C-Block Ground Floor
5	Central Canteen Nescafé Amul	New Block GF & Plot No-14 College Campus College Campus
6	Auditorium	B-Block 1 st & 2 nd Floor
7	Recreational facilities	B-Block 1 st floor and common rooms
8	Research and Development	Within each Department
9	Woman Grievance Redressal Cell	B Block 3 rd Floor
10	Bank & ATM	College Campus
11	Sports and Games	Central facility
12	Academic Monitoring Cell	A-Block
13	Drinking water	Each Floor of Every Block
14	Generator Unit	College Campus
15	Reprographic facility	Photocopy shop, Library, Exam cell, Registrar office
16	Gymnasium	In Campus
17	Reading-Room	1 st Floor, Block-E

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/ user friendly?

‘Yes’. The members of committee are as follows:

- | | |
|------------------------------|----------------------------------|
| 1. Dr. Dileep Singh | Professor & Incharge-cum-Advisor |
| 2. Mr. Abdul Khalid | Asst. Professor, CSE |
| 3. Mr. Anant Prakash Agrawal | Asst. Professor, ME |
| 4. Mr. Ankit Kumar | Asst. Professor, Biotech |
| 5. Mr. Rishi Singhal | Asst. Professor, EN |

Following recommendations of the Advisory Committee have been implemented:

- To increase the working hours of the library
- Quick procurement of books recommended by library
- To organise book fair at least once a year
- Modern and updated devices for e-library
- To inform everyone about major happenings (news clips) through ERP
- Digital library
- OPEC
- Circulation and return of books using ERP
- Availability of Photocopier machine

4.2.2 Provide details of the following:

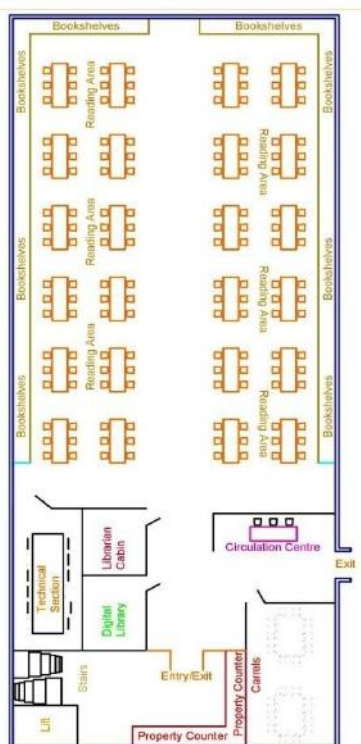
- **Total area of the library (in Sq. Mts.)**
- **Total seating capacity**
- **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**
- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

- Total area of the library: 1873 sqm
- Total seating capacity: 270 seating capacity
- Working hours
 - Working days: 09:30 AM to 10:00 PM
 - Holidays: 09:30 AM to 05:00 PM
 - Before examination days: 09:30 AM to 10:00 PM
 - During examination: 08:45 AM to 10:00 PM
- Layout of the Library
 - Individual reading carrels : Yes
 - Reading section : Yes
 - Lounge area for browsing and relaxed reading : Yes
 - IT zone for accessing e-resources : Yes

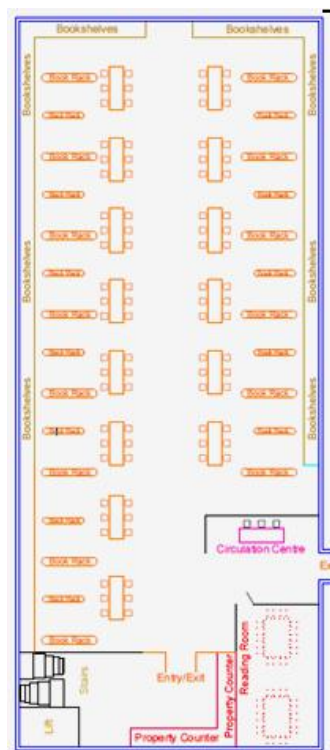
Course-wise Text book and Reference sections	: Yes
Periodical section with project reports	: Yes
Fiction and non-fiction	: Yes
Librarian office and staff desk	: Yes
Circulation counter	: Yes
Baggage counter	: Yes

Layout of Library:

First Floor



Second Floor



4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The Library works to procure relevant books, journals, online and offline information sources to support all the courses offered in the Institute. The library use following methods for purchasing new titles or journals:

- The library procures the books and periodicals which are duly recommended by teachers through Requisition Form

- The Institute organizes book fair before every semester and teachers select titles and recommend to library
- The libraries also purchase books, journals and magazines on suggestions and request made by students

The amount spent for library resources in last four years:

Library Holding	Year (2012-13)		Year (2013-14)		Year (2014-15)		Year (2015-16)	
	Number	Total cost (Rs)	Number	Total cost (Rs)	Number	Total cost (Rs)	Number	Total cost (Rs)
Text Books	8896	2544170.00	10007	2943202.00	6687	2247219.00	7091	2519177.00
Reference Books	2361	452198.00	908	258812.00	1139	464722.00	1122	55792.00
Journals/ Periodicals	47	37831.00	209	383669.00	209	334152.00	209	508023.00
e-resources	10 database	1133145.00	10 database	1589431.00	10 database	1319753.00	10 database	2024003.00
Any other	-	-	-	-	-	-	-	-

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- * **OPAC**
- * **Electronic Resource Management package for e-journals**
- * **Federated searching tools to search articles in multiple database**
- * **Library Website**
- * **In-house/remote access to e-publications**
- * **Library automation**
- * **Total number of computers for public access**
- * **Total numbers of printers for public access**
- * **Internet band width/ speed**
- * **Institutional Repository**
- * **Content management system for e-learning**
- * **Participation in Resource sharing networks/consortia (like Inflibnet)**

Our Institute has 10 databases:

S.No.	Database Name	Subject Name	Website Name
1.	IEEE	Computer Engineering +EEE+ Telecomm.	http://www.ieee.org/ieeexplore
2.	Springer	Electrical and Electronics and computer Science	www.springerlink.com
3.	Springer	Mechanical Engineering	www.springerlink.com
4.	Wiley Black well	Civil Engineering	www.wileyonlinelibrary.com
5.	McGraw Hill	Access Engineering Library	(http://accessengineeringlibrary.com)
6.	J-Gate	Engineering	http://www.jgate.in
7.	Elsevier	Science Direct	www.sciencedirect.com
8.	ASTM Digital Library	Dictionary of Engineering (E-Books, Article)	http://enterprise.astm.org/
9.	J-Gate	Management	http://www.jgate.in
10.	ProQuest	Management	5.1.1

- **Federated searching tools to search articles in multiple databases** : Yes
- **Library website** : No
- **In house/ Remote access to e-publication** : Yes

- **Library automation:** ‘Yes’, our Institute has ERP automated system for library

- **Total number of computers for public access** : 18 computer Systems

- **Total number of printer for public access** : 01
- **Internet bandwidth/speed** : 110 Mbps
- **Institutional repository** : Yes
- **Content management system for e-learning** : Yes
- **Participation in resource sharing networks/consortium** : Yes -DELNET

4.2.5 Provide details on the following items:

- * Average number of walk-ins
- * Average number of books issued/returned
- * Ratio of library books to students enrolled
- * Average number of books added during last three years
- * Average number of login to opac (OPAC)
- * Average number of login to e-resources
- * Average number of e-resources downloaded/printed
- * Number of information literacy trainings organized
- * Details of “weeding out” of books and other materials
- * Average number of walk-ins:
 - During working days average : 300
 - During Holidays : 100

- * Average number of books issued/returned: Issued/returned: 200
- * Ratio of library books to students enrolled: 20:01
- * Average number of books added during last 03 year: 11057 books per year
- * Average number of login to OPAC:15 per day
- * Average number of login to e-resources: our e-resources are IP address based, so any student and faculty member can login anywhere in Institute premises
- * Average number of e-resources downloaded/printed: Not accounted, can be downloaded from anywhere in the Institute premises
- * Number of information literacy training organized: Nil
- * Details of weeding out of books and other materials: Nil

4.2.6 Give details of the specialized services provided by the library

- * Manuscripts: N/A
- * Reference: YES
- * Reprography: YES
- * ILL (Inter Library Loan Service): N/A
- * Information deployment and notification (Information Deployment and Notification): YES
- * Download: YES
- * Printing: YES
- * Reading list/ Bibliography compilation: N/A
- * In-house/remote access to e-resources: YES
- * User Orientation and awareness: YES
- * Assistance in searching Databases: YES
- * INFLIBNET/IUC facilities: N/A

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Following support is provided by the Library staff:

- Adequate library facilities for all the students (sufficient books/Reference books, seating and reading facility)
- OPAC (Online Public Access Catalogue) search
- Classification arrangement of books for easy reach to the book
- Book reservation facility
- Assistance in accessing the internet and online information
- Library takes recommendation of books by the students
- Special assistance for physically challenged students

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

- As a special case, physically challenged students are helped by library staff in searching, issuing, and return of books
- There is no visually challenged student enrolled in the Institute.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

- Yes. The library gets feedback (both formal and informal) from its users.
- The suggestions, complaints and requirements are noted down by the library committee and recommendations are accordingly addressed.
- The infrastructural requirements are provided to the department of projects and planning for compliance

4.3 IT Infrastructure

4.3.1 Give details on the computing facility available (hardware and software) at the institution.

- Number of computers with Configuration (provide actual number with exact configuration of each available system)
- Computer-student ratio
- Stand alone facility

- LAN facility
- Wi-Fi facility
- Licensed software
- Number of nodes/ computers with Internet facility
- Any other

The details of the Computers, Laptop and Servers etc. are given below:

S. No.	Model	Configuration	Quantity
1	Desktop Computer with monitor- Acer (B.P)	Acer- processor-3.0 GHZ dual core/HDD 320GB/RAM 2GB/TFT 17"	175
2	Desktop Computer Acer C I3/8 GB/500GB/18.5" TFT(B-Block)	Acer- processor-core I3,3.30 GHZ /HDD 500GB/RAM 4GB/8GB/TFT 18.5"	315
3	HP 100-610 LX intelpentium E588 AIO (14 no)	HP - Omni-Aio,processor-dual core /HDD 500GB/RAM 2GB/ TFT 19"	91
4	HP Work Station XW 4300 (ME- Cad Lab)	HP - processor-P4,3.0 GHZ /HDD 80GB/RAM 1GB/ TFT 17"	30
5	Workstation HP- Z200 CROE I3-530 (B-Block-Lab 4)	HP - processor-core I3, 3.0 GHZ /HDD 300GB/RAM 2GB/ TFT 22"	30
6	HP core I3 -3220 4GB RAM/ 500 GB HDD/18.5" screen (D-Block)	HP- processor-core I3,2.8 GHZ /HDD 500GB/RAM 4GB/TFT 18.5"	260
7	Lenovo AIO M-62Z core I5 4GB RAM/ 500 GB HDD/19" screen	Lenovo-processor-core I5,2.90 GHZ /HDD 500GB/RAM 8GB/TFT 19"	35
8	N-Computing device with 10/100 ethernet/20" LED TFT	N- Computinglg, encom thin client with 20" LG TFT	40
9	HP DX2480 dual core with TFT(D-Block)	HP - processor-dual core,2.0 GHZ /HDD 160GB/RAM 1GB/ TFT 15"	240
10	HP Proliant ML 110G5	HP- processor-intel xeon 2.33 GHZ /HDD 160GB/RAM 1GB"	36
11	HP 208 G1MT/202G2 Systems	HP- Core i3, 4 th generation processor /HDD 500GB/RAM 4GB/TFT 18.5"	75
12	HP 250 Laptops	HP- Core i3, 5 th generation processor /HDD 500GB/RAM 4GB/TFT 18.5"	61
13	Dell Work Station T1700MT	Xeon Quardcore processor- 3.3 GHZ /HDD 500GB/RAM 8GB/ TFT 22"	35

14	Apple imac MF883	Core i5 1.4 GHz/8GB Ram/500HDD/21.5" TFT	30
Total:			1453

Computer Student Ratio: 1:2 (for PG Students)
1:4 (for UG Students)

Details of Servers

S. No.	Server	Configuration	Quantity
1	HP Pro Liant ML350G6 (Tower Model)	Quad core Intel Xeon E5504 processor (2.0 GHz, 8Watts, 1066 FSB) 12 MB level 2 cache /4 GB ECC RAM; PC2-530 fully buffered DIMMs (DDR3 RDIMM) Network controller 1GbE NC326i 2 Ports HP 300GB, 3G SAS 10K SFF SP HDD/ 16X DVD	3
2	HP Pro Liant ML350G5 (Tower Model)	Quad core Intel Xeon e531 processor (2.33 GHz, 8Watts, 1066 FSB) 12 MB level 2 cache /4 GB ECC RAM; PC2-530 fully buffered DIMMs (DDR2-667) embedded NC373i multifunction gigabit server HP (146x3) GB 3G SAS 10K SFF SP HDD/ 16X DVD	1
3	IBM Server (X Series 226)	Intel Xenon processor 3.0GHz. 2 M.B L2 cache 80MHz front side bus. 1GB ECC DDR2 SDRAM. (73*3)GB ultra 32 hot swap SCSI HDD 10K RPM CD ROM + FDD IBM E54 color monitor IBM Key Board + Mouse Gigabit Ethernet Card Dual Redundant Power Supply.	2
4	IBM Server (X Series 206)	Intel Pentium Processor 3.0GHz. 1GB ECC DDR2 SDRAM. (160+36)GB SCSI HDD 10K RPM HP DVD Writer + CD ROM + FDD IBM E54 Color Monitor Gigabit Ethernet Card	1

5	HP Windows Storage SRV	AP AIO 400T allinone intel Pentium Dual CPU E2160@1.8 GHZ,1024 L-2 Cache,2 GB ECC Ram, PC2-5300 Fully Buffered DIMMS, 250*4 GB 10k SFFSP 7200 RPM HDD, 16 X DVD, Gigabit Ethernet Lan Card	1
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Total: 08

LAN Facility: All computers are connected with LAN.

Wi-Fi Facility: The campus has a fiber optics network connecting all the buildings. For network within the building, the Institute is using cat6 UTP.

List of Licensed Software

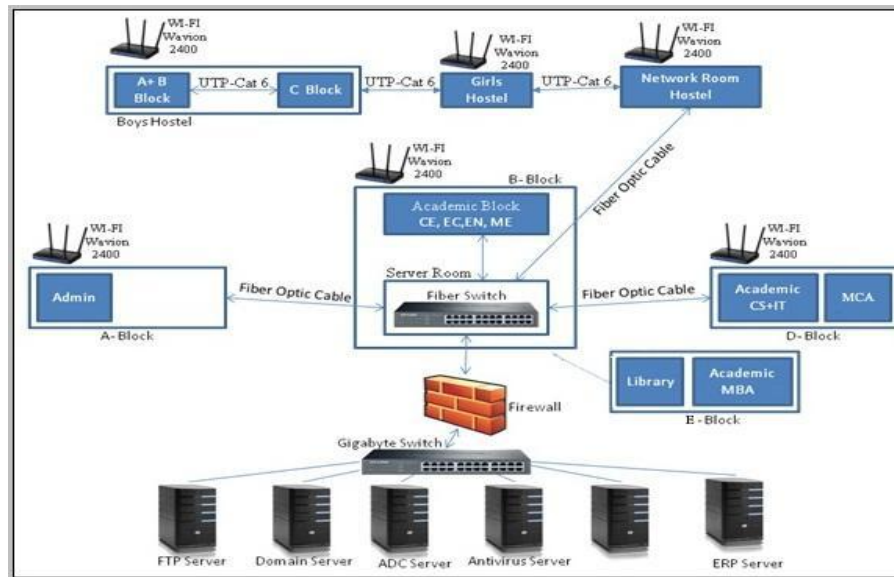
S. No	Software	User
1	Microsoft Edu Cloud Campus Agreement Faculty	200
2	MS CS-MSIT Academy ALNG	1
3	Microsoft O365 ProPlus for Students	1500
4	Turbo C++	60
5	IBM Rational Software	20
6	Kaspersky Endpoint Security for Business Select	500
7	Microsoft Office 2003	10
8	NETZ 2.0 Network Simulation	30
9	Oracle 11G Std. Ed.	10
10	SCO Unix Open Server 6 Enterprise	10
11	Lisp Works Prof. 5.1 A.E.	1
12	High Class Multimedia Edu.	30
13	ZYBRO-Digital Language Lab	30
14	Lingua Phone	60
15	Adobe Acrobat Pro 9.0	Academic edition
16	NPTEL Web Course	Full
17	OrCad 11.0	5
18	Tanner	10
19	XILINX (VHDL)	10
20	Ideas NX Series Artisan software	5
21	Femap –Nastran- NX	4
22	Studio Works	30
23	AutoCAD 2005 (Edu)	1
24	Autodesk Inventor Pro.11	30
25	MATLAB	10 user
	Signal Processing Tool Box	10 users

	Control System Tool Box	10 users
	Image Processing Tool Box	10 users
	Neural Network Tool Box	10 users
	Fuzzy Logic Tool Box	10 users
	Genetic Algorithm Tool Box	10 users
	Optimization Tool Box	10 users
Microsoft License Volume		
1	Groove 2007	NA
2	Lync 2013/2010	NA
3	Office Communicator 2007 R2	NA
4	Office Multilanguage Pack 2007 /2010/ 2013	NA
5	Office Professional Plus 2007/ 2010/2013	NA
6	Forefront Endpoint Protection 2010	NA
7	System Center 2012 Configuration Manager	NA
8	System Center 2012 Endpoint Protection/2012 R2	NA
9	System Center Virtual Machine Manager 2008R2	NA
10	Microsoft E-Learning -Applications-Office 2013,2010	NA
11	Microsoft E-Learning -Win Systems-Win8, Win7, Vista, XP	NA
12	Windows Thin PC	500
13	Windows 7 Enterprise /K/N/KN/ Upgrade	250
14	Windows 7 Professional /K/N/KN/ Upgrade	250
15	Windows 8 Enterprise /K/N/KN/	250
16	Windows 8 Professional /K/N/KN/	250
17	Windows 8.1 Enterprise /K/N/KN/	250
18	Windows 8.1 Professional /K/N/KN/	250
19	Windows Vista Business /K/N/KN	100
20	Windows Vista Enterprise /K/KN	100
21	Windows XP Professional, X64 Ed	VL Key
Microsoft Edu Cloud Campus Agreement		
1	MS Imagine Academy	1
2	O365 ProPlus for Students	1500
3	Certification in Academic VL	4
4	Microsoft Intune Open- Per User	200
5	Office 365 EDU E3 for Faculty Open	200
6	Windows Server – User CAL	200
7	Windows E3 Per Device	200

Number of Nodes/Computer with Internet facility: 100% (1453 Nos.)

Any Other: All computer labs have been provided with Online UPS facility.

Network Map of NIET:



4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- High speed 110 Mbps internet facility is available for staff & students in collaboration with Bharti Airtel and tie-up with Reliance Jio Hotspot.
- The campus is Wi-Fi enabled and the facility is provided for both faculty and students.
- The Institute has separate computer centre with internet browsing facility looked after by System Administrator.
- The faculty members and staff of the Institute can also access internet in computer labs.
- Each department has its own computing facility for their faculty members and students
- Laptops are provided to Directors, Deans, and all departmental heads.
- Students and Staff can also browse e-Journals from hostels and Library.
- To strengthen faculty members the Institute has recently adopted a policy to provide laptops on EMI at subsidize price.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The Institution has plans for upgrading IT infrastructure by:

- Installing smart boards in class rooms
- Implementation of virtual lab
- Providing more advanced software for Research and Development
- Recently established advanced labs to provide training on:
 - 1) Big Data
 - 2) Cloud Computing
 - 3) Internet of Things using Raspberry Pi
 - 4) Clinical Research & Bioinformatics
 - 5) Embedded Systems
 - 6) 3D Printing
 - 7) Advanced Robotics Control Lab
 - 8) PTC Lab
 - 9) CARDEA MiBeat Lab

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Financial Year	Computers and Accessories		Operation and maintenance	
	Budget (Rs)	Expenditure (Rs)	Budget (Rs)	Expenditure (Rs)
2015-16	10000000.00	10166284.00	1200000.00	1332566.00
2014-15	1000000.00	1070228.00	600000.00	710975.00
2013-14	10000000.00	11816752.00	1200000.00	1350233.00
2012-13	10000000.00	10123631.00	1200000.00	1532520.00

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?

The Institute facilitates extensive use of ICT resources including development and use of computer-aided teaching and learning materials in the following ways:

All the classrooms and Labs are provided LAN connection

- Smart classrooms
- LCD projector in all classrooms
- E-library

- Webinars
- Virtual lab in collaboration with IIT Delhi
- NPTEL
- ERP
- Teaching through PowerPoint presentations, videos, animations, etc.
- Online tests

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- LCD projectors are installed in all classrooms. All seminar halls are well equipped. The IT infrastructure of the Institution helps the students gain confidence. The new campus of the institute has smart classrooms.
- Individual presentation on topics beyond syllabus develops independent learning among the students.
- Departments of Computer Science and Information Technology organise training sessions on the use of internet for learning resources, seminars and workshops in various fields related to use of computer hardware and software.
- Well-equipped computer labs help the Institute to conduct seminars, workshops, computer-aided training and Faculty Development Programmes
- E-Library facility is available for both the students and the faculty members to update their knowledge
- NPTEL provides learning through web
- The Institute has collaborations with Microsoft, TCS, IIT Delhi and Pearson to train its students.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

‘Yes’, The Institution avails different programmes of National Knowledge Network connectivity from affiliating University (link: www.aktu.ac.in).

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The management is proactive and has a positive approach for the development of infrastructural facilities for the benefit of the stakeholders. The Institute plans and executes the allocation and

utilisation of funds in a systematic way as per the requirements of the departments. The facilities are being regularly upgraded.

The budget allocation of last four year is as follows:

S. No.	Amount Spent for	Amount spent in lakhs			
		2012-2013	2013-2014	2014-2015	2015-2016
1	Building	43180118.00	21226512.00	52977203.00	18144299.00
2	Furniture	9615169.00	2073390.00	718740.00	5598739.00
3	Equipments	7027558.00	7785007.00	5606609.00	4580064.00
4	Computers	10123631.00	11516752.00	1070228.00	10166284.00
5	Vehicles	4627515.00	2031560.00	3029016.00	1301261.00
6	Library	4603302.00	5617901.00	6185856.00	6270677.00
6	Other Assets	7572427.00	3655416.00	3877756.00	2300618.00

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- The Institute has a centralised maintenance department working under Director, Projects and Planning, which takes care of all the maintenance and upkeep of the infrastructure, facilities and equipment. The department has full time salaried employees like plumbers, electricians, sweepers, gardeners, carpenters, painters, etc.
- The Institute has provided a complaint register for lodging complaints regarding maintenance and services.
- The maintenance of lab equipment is done by the service providing company, the lab In-charge and the lab technician appointed for the lab.
- Apart from above-mentioned details the Institute outsources the services for the maintenance of equipment.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The Institute takes up calibration and other precision measures for the equipment/instruments on an annual basis or as instructed by the supplier. The lab In-charge and lab technicians look after the maintenance of the equipment. The Institute takes the help of external agencies also to check and validate the instruments from time to time.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

As already mentioned in 4.4.2 the Institute has a centralised maintenance system to take care of location, upkeep and maintenance of sensitive equipment. Following major steps have been taken by the office:

- Separate area for the installation of generators and transformers
- Voltage stabilizers for the equipment in case of voltage fluctuation
- UPS to save computers
- In-house water supply with RO plant
- Full-time electricians to check any power failure
- Outsourcing specialists from the market and industry in case of complications

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include. **NIL**

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

'Yes', the Institute updates its information brochure annually. The brochure provides information about vision, mission, quality policy, values of the Institute. Further, details of different programmes, rules and regulations regarding campus life, different departments, placement, infrastructure, examination, etc. are also given in the brochure. In addition to the information brochure, the Institute uses other media, e.g. ERP, notice boards, website, newsletters and hoardings to convey relevant information to the students.

The commitment and accountability is ensured by strictly following an organized and structural administrative system that ensures positive response and feedback from the students.

5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The type, number and amount of institutional scholarships/free ships given to the students are given in the table below:

Year	2012-2013		2013-2014		2014-2015		2015-16	
Category of scholarships	No. of Students	Total amount in lakhs	No. of Students	Total amount in lakhs	No. of Students	Total amount in lakhs	No. of Students	Total amount in lakhs
BC/OBC Scholarship	872	698.47	858	773.91	676	609.75	604	332.20
SC/ST Scholarship	303	242.70	265	239.03	171	154.24	110	99.22
Fee Waiver	65	45.95	65	45.95	65	45.95	66	44.88
Merit cum Means (Minority Scholarship)	179	143.37	140	126.28	125	112.75	97	87.49
Management/ Institutional Scholarship	--	--	34	4.0	34	4.0	34	4.0

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Number of Students Receiving Financial Assistance for the session 2015-2016

Branch	From State Govt.	From Central Govt.	From other Agencies
CS	160	0	0
IT	49	1	0
EC	141	13	0
EN	139	3	0
ME	269	8	0
CE	173	8	0
CH	29	2	0
BT	13	0	0
MBA	41	2	0
MCA	84	1	0

Number of Reserved-Category Students in the Institute for the session 2015-2016

Branch	SC/ST	OBC	Economically Weaker Section	Physically Disabled	Overseas Students
CS	77	246	38	0	0
IT	23	72	19	0	0
EC	88	280	42	0	0
EN	87	273	40	0	0
ME	86	270	37	0	0
CE	67	192	28	0	0
CH	18	54	10	0	0
BT	14	42	6	0	0
MBA	20	63	0	0	0
MCA	14	44	0	0	0
M. Tech	4	9	0	0	0

5.1.4 What are the specific support services/facilities available for

- **Students from SC/ST, OBC and economically weaker sections avail**
 - Fee waiver seats (additional 5% of the total sanctioned intake in UG courses).
 - State Government scholarships.
 - Central Govt. scholarships for minority students.
 - The institute has tie-up with Canara Bank for education loan facility.
 - The management of the Institute also supports some economically weak students by financially adopting them.
 - Special classes on Soft Skills are conducted.

- **Students with physical disabilities**
 - For facilitating disabled students short ramps, small stairs, and all the assistive devices have been provided. Lifts have been installed in all the blocks in the Institute and a disabled student can easily manage oneself independently, wherever, their theory and practical classes are being held.
- **Overseas students:** N/A
- **Students to participate in various competitions/National and International**
 - The Institute organizes workshops to train the students for competitions in association with various students' clubs/societies.
 - The Institute provides financial support to design and fabricate the hardware required for the competitions in the nation and abroad such as the students prepared vehicles, robots and hovercrafts for various events.
 - The Institute provides guidance and coaching for IAS, GATE and PSUs through trained faculty members.
 - The Institute trains students on coding and help them to participate in National/International events like Codevita, Testimony, Hackathon and Ideation etc.
- **Medical assistance to students: health centre, health insurance etc.**

The following medical assistance is provided to the students:

 - Full time doctor
 - Free medicine
 - First aid facility
 - Ambulance (24X7) supported by associated hospital
 - Medical insurance to hostel inmates
 - 100% amount of medical bills reimbursement for hostellers
 - Tie-ups with hospitals(Yatharth & Kailash) for concession in medical bills
- **Organizing coaching classes for competitive exams**
 - The Institute organizes coaching and counseling classes for IAS, GATE, GRE and GMAT.
 - Recently Institute did tie-up with ENGINEERS ZONE for GATE classes.
- **Skill development (spoken English, computer literacy, etc.)**
 - Two multimedia language labs to enhance Listening, Speaking, Reading and Writing (LSRW) skills.
 - PFS organizes special sessions on communication skills and computer proficiency.
 - The special classes are given to students to train them on email etiquettes.
 - The students are encouraged to participate in national competitions like 'Hackathon' and 'TCS Codevita' to hone their skills in computers.
 - Students appear for SWAR assessment test for communication skill evaluation.

- **Support for “slow learners”**
 - Extra classes from 5 PM to 7 PM
 - Adopted by mentors
 - Motivated to perform better
 - Life Skill sessions
 - Motivational quotes circulated on NIET Mobile App

- **Exposures of students to other institution of higher learning / corporate / business house etc.**
 - Students are encouraged to attend technical fares, seminars, conference, workshops at IITs, NITs, etc
 - Experts from academia and industry are invited to deliver talks and provide training on advanced techniques
 - Industrial/vocational training.
 - Industrial visits
 - 24x7 hours internet access is provided to students.

- **Publication of student magazines**
 - The Institute publishes NIETimes and NIET Chronicles, through which the students share their views.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

The Institute regularly organizes entrepreneurship development programs which help students understand various issues faced by an entrepreneur. Activities conducted under entrepreneurship development cell are as follows:

- 1) A One-day National Seminar on “Need of Entrepreneurial Revolution in Emerging Technologies in the Current Global Scenario”
- 2) Regular workshops are organized on “e-Learning module” by NIESBUD, MSME, Govt of India
- 3) Students’ Chapter of Entrepreneurship Development Cell (EDC) exists in the Institute which organizes events regularly.
- 4) The EDC also supports the promising entrepreneurs by disseminating technical knowledge through meets, conferences and trainings. The EDC has done a praiseworthy job in motivating and supporting the students to become entrepreneurs by establishing incubation centre to encourage students to start their own ventures.
- 5) University level competition “IDEATION 2017” is being planned by EDC Cell to give platform for Innovative ideas.
- 6) Mentors from Industry are called to expose students on topics like commercialization of idea & products.
- 7) NIET recently initiated tie-up to train budding entrepreneurs with UC Berkley, USA, Centre for Research & Innovation under AKTU initiative.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- * **Additional academic support, flexibility in examinations**
- * **Special dietary requirements, sports uniform and materials**
- * **Any other**

A gymnasium, basketball court, cricket/football ground, badminton courts, etc. are available within the campus. The Institute has employed physical training instructors (PTIs) to train the students. Sports material is also provided to the students.

Students' participation in extracurricular activities has been identified as an important aspect for the overall development of their personality. The Institution is committed to encourage students to participate in various extracurricular activities. The necessary facilities like fund, equipments, etc are provided to the students. The office of Dean Student Welfare (DSW) supervises the extracurricular activities like literary festivals, debate, essay competition, project contest, poster competitions, SPIC MACAY event, etc. Most of the departments in the College have associations, clubs, cells, societies, and forums to cater to student's divergent taste. The students also participate in inter-college and intra-college competitions. The students actively prepare and participate in Zonal, Inter-Zonal, Intervarsity and National Youth festivals.

The students who participate in extra or co-curricular activities are provided with extra classes so that the time they have given for the various activities can be compensated. In general the participation of students has gone up over the years after departmental/institute level format has been introduced.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

The Institute encourages the students to appear for various competitive examinations such as GATE, CAT, GRE, TOFEL, GMAT, Civil Services, Defense services, and Central/State services. For this purpose, the Institute supports liberal policy for participation in University-based curriculum and allows final-year students to attend external coaching services for GATE/CAT etc. Recently NIET did tie-up with Engineers Zone to provide GATE classes in house. Various forms of coaching like communication skills, online materials, multimedia based learning, and solved question bank with keys, etc. are provided by the faculty members. A record of Question bank for GRE, TOFEL, GATE and CAT are also maintained in the library/Department.

List of few students persuing higher studies:

S.No.	Student Name	PG/PhD Program	Name of the top University/Institutions
1	Dharmendra Prajapati	MS	University of Georgia
2	Akansha Soneja	MBA	Purde University, USA
3	Ravi Saini	M.Tech	IIT BHU
4	Rakesh Sharma	M.S.	University of Texas, USA
5	Shubham Cheema	M.S.	University of Dallas, USA
6	Elora Paul	M.S.	University of Texas, USA
7	Jalaj Ranjan Pandey	M.S.	University of Texas, USA
8	Pranav Bhatt	M.S.	University of California, USA
9	Shivam Khare	M.Tech	IIT, Hyderabad
10	Himanshu Sharma	M.Tech	IIT Bombay
11	Praveen Kumar Yadav	M.Tech	IIT Madras
12	Saddam Ali	M.Tech	IIT Delhi
13	Ashish Pandey	MBA	IIT Roorkee
14	Yuvraj Bisht	M.Tech	NIT Kurushetra
15	Devesh Shukla	M.Tech	IIT BHU
16	Mayank Pandey	M.Tech	VIT, Vellore
17	Nandkishore	M.Tech	MNIT Allahabad
18	Abhishek Kumar	M.Tech	NIT Raurkela
19	Sajid Kadmi	M.S.	Brulen University, London
20	Mayank Pandey	M.Tech	IIT Roorkee
21	Ankur Dwivedi	M.Tech	IIT Kanpur
22	Aparna Agarwal	M.Tech	IIT Kanpur
23	Swaswat Pathak	M.Tech	MNIT Allahabad
24	Rahul Varshney	M.Tech	Thapar University, Patiala
25	Abhishek Srivastava	MBA	Fore School of Management
26	Ankit Lohia	M.Tech	MNIT Allahabad
27	Renu Singh	M.Tech	MNIT Allahabad
28	Lavi Jain	M.Tech	Delhi University
29	Neha Singh	MBA	IIM Indore
30	Minali Gupta	M.Tech	IIT BHU
31	Akash kumar Arya	Ph.D	IFTM University
32	Ali Ahmad Khan	M.Tech	IIT Roorkee
33	Pavitra Kumar	M.Tech	IIT Roorkee
34	Greeshma Falgunan	M.Tech	Amity Noida
35	Manjushree Pal	M.Tech	Amity Noida

36	Mohd.Umair Aziz Ansari	M.Tech	Sharda University
37	Faisal Khan	M.Tech	Sharda University
38	Mohd.Firoj	M.Tech	IET Lucknow
39	Amit Tiwari	M.Tech	Amity Noida
40	Jinet Das	M.Tech	PEC University Chandigarh
41	Shailendra Kumar Singh	M.Tech	IIT Patna
42	Devesh Jaiswal	M.Tech	NIT Patna
43	Atul Verma	M.Tech	MNIT Allahabad
44	Nupur Verma	M.Tech	DTU
45	Harsh Pipil	M.Tech	DTU
46	Tanuj Kumar	M.Tech	DTU
47	Saleem Ahmad	M.Tech	RTU , Kota
48	Prashant Kumar Yadav	M.Tech	RTU , Kota
49	Dharmesh Saini	M.Tech	NIT , Srinagar
50	Mohd.Zubair	M.Tech	SPA, Delhi
51	Sachendra Singh	M.Tech	IIT Roorkee
52	Sanjay Kumar	M.Tech	GBU
53	Rebati	M.Tech	IIT Patna
54	Swati	M.Tech	SLIET
55	Vertika	M.Tech	NIT Jalandhar
56	Abhishek Bist	MS	MS Australia
57	Anoop Kumar	M.Tech	Allahabad University
58	Rahul Bansal	Ph.D	DTU
59	Pawan Kumar	M.Tech	IIT Patna
60	Shashwat Pathak	M.Tech	MNIT Allahabad
61	Kapil Agrawal	M.Tech	JIIT,Noida
62	Mayank Agrawal	Ph.D	IIT BHU
63	Manpreet Singh Gandhi	MBA	San Jose State University,Califor
64	Dushyant Chauhan	M.Tech	JIIT,Noida
65	Harshita Dixit	MS	Stevens Institute of Technology, USA
66	Nityam Goel	MBA	Great Lakes Institute Of Management
67	Ujjawal Bhatnagar	M.S	Techniche Universitat Muchen
68	Anant Semwal	M.S	TU Delft,Netherland
69	Monika Agarwal	M.Tech	Jamia Milia Islamia ,Delhi

70	Himanshu	MBA	Symbiosis,Pune/Narsee Monji ,Mumbai
71	Navneet Phathak	M.Tech	SRK University , Bhopal
72	Surendra Kumar	M.S	Francois - Rabelias de Tours,France
73	Himanshu Tripathi	M.Tech	NIT,Trichi
74	Eshitha Rastogi	M.Tech	MMMU,Gorakhpur
75	Md.Ovais Ansari	M.Tech	NIT , Bhopal
76	Sammer Rastogi	MBA	Department Of Management Bits Pilani
77	Piyush Gupta	M.Tech	IIT , Dhanbad
78	Acshay Jee Bhosale	M.Tech	ISM, Dhanbad
79	Ankit Devra	M.Tech	V NIT ,Nagpur
80	Ashutosh Samadhiya	M.Tech	NIT , Agartala
81	Mahendra Singh	M.Tech	PG
82	Rupesh Singh	M.Tech	ISM,Dhanbad
83	Vinay Kumar	M.Tech	IIIT, Jabalpur
84	Basant Kumar Singh	M.Tech	RGTU,MP
85	Himanshu Verma	MBA	IMT, Dubai
86	Mohammad Tahir	M.Tech	M.TECH
87	Mohd Ahamad	M.Tech	MNNIT , Allahabad
88	Prashant Singh	M.Tech	KWIT
89	Shovit Sagar	M.Tech	IIT, Kanpur
90	Shrey Gupta	MBA	Amity Noida
91	Tanuj Kumar	M.Tech	MNIT ,Jaipur
92	Santosh Prasad	M.Tech	BIT , Mesra
93	Rahul Sharma	M.S	University of Texas, USA
94	Mohd Danis	M.Tech	AMU
95	Ayush Pandey	MBA	Alliance University, Banglore
96	Abhinav Tomar	MS	University of Texas, Dallas
97	Sapna Paul	MS	University of Texas, Dallas
98	Amit Kumar	MBA	Grukul kangri University ,UK
99	Apoorva Singh	MS	University of Texas, Dallas
100	Ajay Arya	M.Tech	IIT Allahabad
101	Mithilesh Patel	MBA	Cardiff University ,Cardiff
102	Shakti Sharma	M.Tech + Ph.D	IIT Bombay
103	Amit Naithani	M.Tech	Moti Lal Nehru Institute of Technology Allahabad
104	Abhishek Raj Singh	MBA	Indian Institute of Management ,Ahamdabad

105	Ali Asgar	M.S	University of South Florida
106	Shubham Gupta	M.S	University of Warwick
107	Tushita Agarwal	M.S	Brock University
108	Aditi Singh	MBA	International Management Institute ,New Delhi
109	Tanya Bhaduria	MBA	Indian school of business , Hyderabad
110	Swati Yadav	M.Tech	HBTI ,Kanpur
111	Amit Kumar Singh	M.Tech	ISM , Dhanbad
112	Prakhar Kumar	M.Tech	IIT ,Delhi
113	Shweta Singh	M.Tech	ISM, Dhanbad
114	Pulkit Garg	M.Tech	HBTI ,Kanpur
115	Prerna Choudhary	M.Tech	GBU
116	Shivani Chauhan	M.Tech	GBU
117	Rohit Rastogi	M.S	SMU, Singapore
118	Aditi Yadav	M.S	Syracuse University, USA
119	Ankit Agarwal	M.S	Newyork University, USA
120	Umesh Mishra	M.S	University of Texas, Dallas
121	Jayeeta Biswas	M.S	Cardiff Metropolitan University, UK
122	Mohit Chaturvedi	M.Tech	IIT, Delhi
123	Parul Rana	MBA	IIM, Lucknow

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

Academic and personal: Class coordinators and mentors provide academic and personal counseling to the students. Mentors not only keep close eye on the academic development of the students but also guide them regarding their future plans.

Career: CMC take care of the students’ overall development and nurture them for their professional career. The departmental coordinators also help the students chalk out their strategies for acquiring knowledge and actualizing their dreams, besides inculcating etiquettes and values into them so that they could be socially responsible. However, the University has also taken initiative to introduce Human Values and Professional Ethics, and Industrial Psychology in the curriculum; the Institute has a National Service Scheme to complement the University’s objective.

Psycho-Social: Achieving quality standards in employability has fuelled the setting up of the Pyramid Finishing School (PFS) by the management of NIET. PFS provides students the practical training with real life scenarios. The students from all walks of life have gained tremendous confidence and have polished their personalities to a Global Level in the “Art of

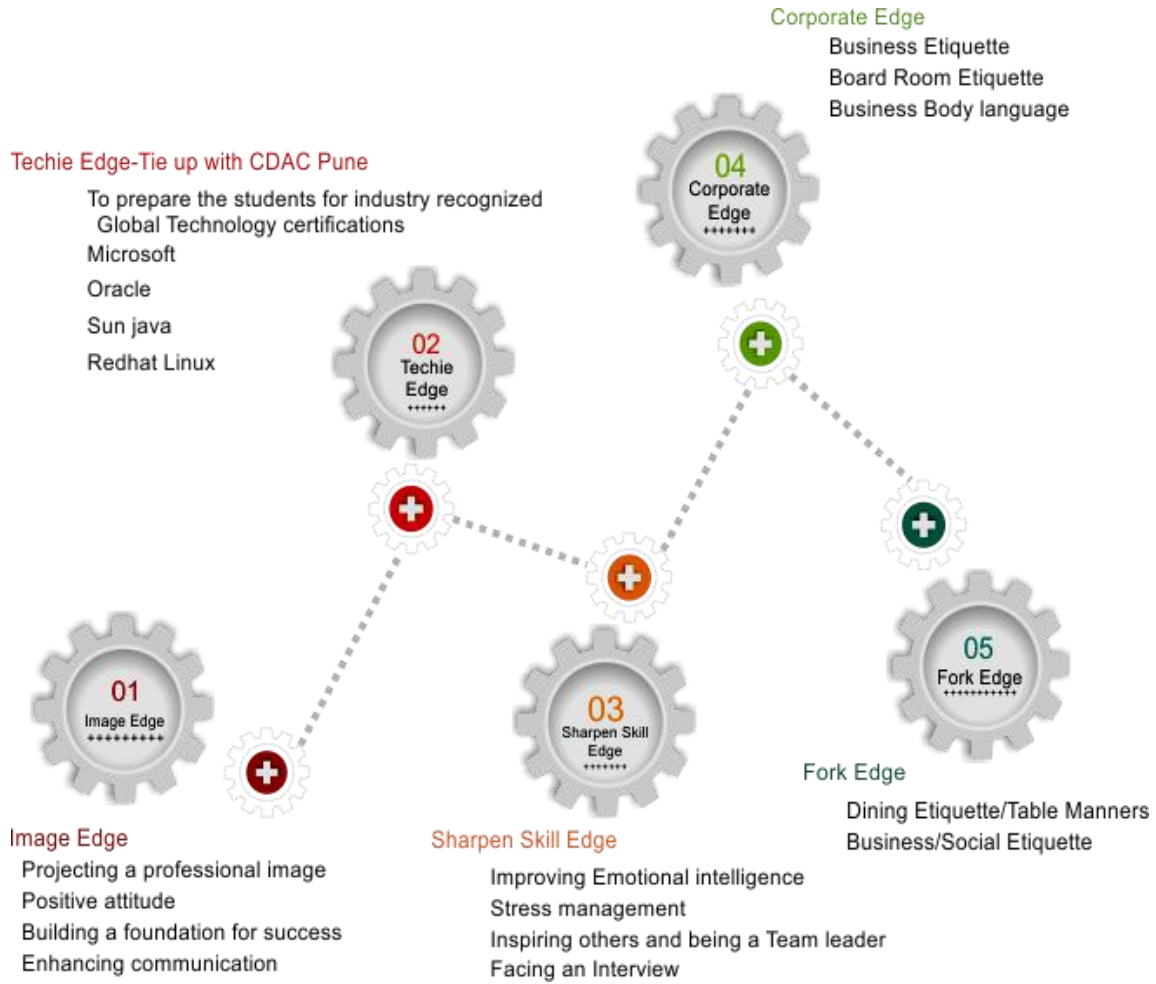
Business Etiquette”, “Social Grace”, “Confidence Building”, “International Etiquette”, “Leaving Lasting Impressions” and “Removing Shyness”, etc. Under the aegis of PFS, students are first assessed on their various skills and corresponding training is organized for bridging the gaps identified.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If ‘yes’, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes, the Institute has a structured mechanism for career guidance and placement. The Career Management Cell (CMC) & Pyramid Finishing School (PFS) are managed by full time employees in the Institution. The CMC & PFS are functioning under the supervision of Executive Vice-President of the Institute. CMC & PFS provide opportunities to the students for in/off campus placements as well as summer industrial training and internship.

PFS is a place where students are trained according to the industry requirements giving individual student a 360 degree improvement, not only in the areas like soft skills, life skills, technical skills and etiquettes but also exposing the students to time management, team-work and project management.

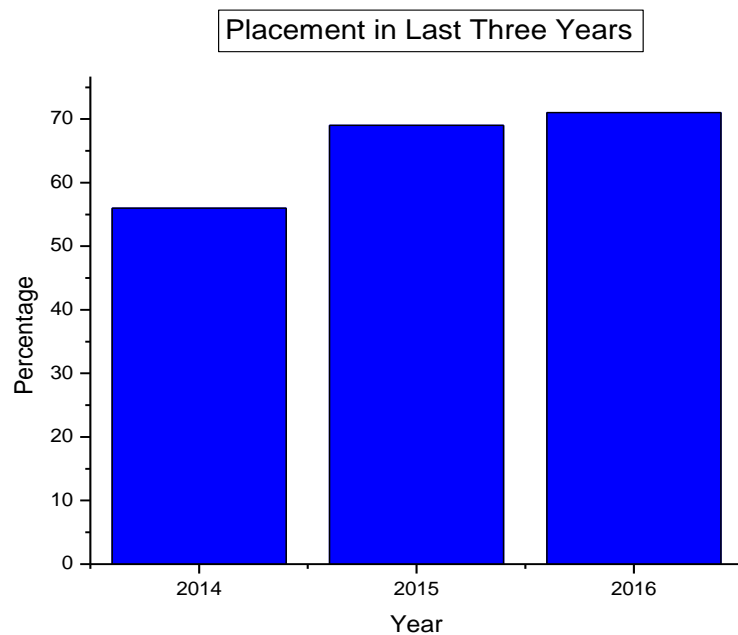
The training of student’s, starts from 2nd Semester onwards and is assessed under Pyramid Fishing School. In the beginning of 5th semester, each student is evaluated by AMCAT test comprising aptitude and technical questions. This feedback is used as a critical input for categorizing the students and for drawing student specific development plan. With the help of the score, the students are ranked and categorized into A, B and C groups. ‘A’ comprises those students who are good and have a high probability to be placed, ‘B’ comprises average students and ‘C’ comprises students who are still not up to the mark and need to be worked hard upon. Thereafter, the curriculum is customized for these three groups and regular workshops are conducted 2 hours per week, since then. Student specific feedback is made available to the trainers to be able to modulate and guide the students according to their need. The ‘A’ group is exposed to advanced technical knowledge (through special classes) over and above their university curriculum, ‘B’ group is made to emphasize on the curriculum and ‘C’ is made to work upon their basic concepts. Once the student reaches the 7th semester, well coordinated workshops are organized to prepare them to face placement process. This is where they are made to hone their communication skills, body language, overall personality, aptitude, work place skills and corporate etiquette. Mock interviews are regularly conducted internally and at times through especially invited industry leaders as per the different formats of the placement drive.



The details of percentage of students recruited in past three years are as follows:

Percentage of students recruited during last three years

Branch	2014			2015			2016		
	Eligible	Placed	Placed %	Eligible	Placed	Placed %	Eligible	Placed	Placed %
CS	137	99	72%	227	229	101%	218	240	110%
IT	113	83	73%	90	77	86%	90	80	89%
EC	126	77	61%	219	154	70%	225	169	75%
EN	123	61	50%	112	70	63%	165	81	49%
ME	131	58	44%	129	66	51%	169	91	54%
CH	56	20	36%	31	12	39%	40	21	53%
CIVIL	126	24	19%	126	30	24%	75	09	12%
BIOTECH	-	-	-	-	-	-	28	24	86%
MBA	164	139	85%	108	96	89%	60	58	97%
MCA	53	20	38%	41	08	20%	48	19	40%
TOTAL	1029	581	56%	1083	742	69%	1118	792	71%



Companies visited in last three years in the institute for campus placement

Companies visited in last three years	Students Placed			Total
	2013-2014	2014-2015	2015-2016	
310	650	850	854	2354

List of few companies visited

S. No.	Name of the Employers
1	ING VYSYA BANK
2	TCS
3	GENPACT
4	IBM INDIA PVT LTD.
5	ICICI BANK
6	JOHNSON CONTROLS (INDIA) PVT. LTD.
7	WIPRO
8	ACCENTURE
9	APTARA
10	ASHOK LEYLAND
11	COGNIZANT
12	HINDUSTAN AERONAUTICS LIMITED
13	INDIAMART INTERMESH LTD.
14	YAMAHA
15	BNB COATINGS INDIA LTD
16	ERICSSON
17	HPCL
18	HYUNDAI MOTORS INDIA LTD.
19	JUBILANT CHEMSYS
20	MURUGAPPA GROUP
21	SAMSUNG INDIA ELECTRONICS PVT. LTD.
22	SYNTEL
23	UNITED HEALTH GROUP
24	AIRCEL (IKYA HUMAN CAPITAL SOLUTIONS PVT. LTD)
25	BARCLAYS & AMEX
26	DHFL

27	HCL TECHNOLOGIES LTD.
28	HDFC BANK
29	R SYSTEMS
30	AMRAPALI GROUP

6.1.1 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

‘Yes’. The cell is directly under the top management that comprises Managing Director, AMD, and Director.

The cell members are as follows:

- 1) Ms Anjali Gupta
- 2) Mr Jay Kant Pratap Singh
- 3) Mr Ashutosh Kumar Singh
- 4) Mr. Salahuddin
- 5) Mr. Lokesh Kachchawa
- 6) Mr. Saurabh Yadav
- 7) Ms. Isha Rawal

The grievances are received promptly through:

- 1) Suggestion/Complaint Box
- 2) Email: director@niet.co.in, sgrc.niet@gmail.com
- 3) The students can approach the administrator authorities at any point of time

Academic grievance is received from classes by personal visits, meeting with class representatives, feedback mechanism, etc. In academic session 2013-14 some students approached Dean, Academics with a grievance that there is not proper circulation of air in the classroom. The matter was reported to the department of projects and planning for necessary action. All the classrooms were fitted with additional fans as needed.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

A Women’s Grievance Redressal Cell, comprising senior faculty members, looks into any complaints by the female faculty members, staff or students. The members are:

Convener

Dr. Ghazala Naaz

Professor & Head (Dept. of English)

Members

Dr. Anjana Rani

Head, Dept. of Mathematics

Prof. Vineet Kumar

Dean (Students’ Welfare)

Prof. S. L. Verma

Chief Proctor

The objective of the cell is to maintain a congenial working environment for women employees and students of NIET. If any woman faculty, staff or girl student has any grievance, including any kind of harassment, the same can be brought to the notice of the Convener or any of the Committee Members for necessary action and redressal.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes, the Institute has the anti-ragging committee. The committee for year 2016-2017 is given below:

S. No.	Name	Designation
1	Dr. Ajay Kumar	Director, NIET
2	Dr. Praveen Pachauri	Director (Project & Planning)
3	Dr. V. K. Pandey	Dean (2 nd shift)
4	Prof. Vineet Kumar Verma	Dean(Student Welfare)
5	Prof. Ritesh Rastogi	Dean Admin (MCA)
6	Dr. S. Gairola	Dean (R&D) & HOD (EN)
7	Dr. Rupa Majumder	Professor
8	Dr. Satyendra Sharma	HOD(EC)
9	Dr. Meenu Singh	HOD(Biotech)
10	Dr. Somesh Kumar	HOD(IT)
11	Dr. Chandan Kumar	HOD(ME)
11	Dr. C.S. Yadav	HOD (CSE)
12	Dr. Prashant Mukharjee	HOD (Civil)
13	Dr. A. K. Tiwari	HOD (CH)
14	Dr. Dileep Singh	HOD(MBA)
15	Dr. K. P. Singh	HOD (Chemistry)
16	Dr. Rajesh Kumar	HOD(Physics)
17	Dr. Ghazala Naaz	HOD(English)
18	Dr. Anjana Rani Gupta	HOD(Maths)
19	Dr. S. L. Verma	Professor (ME) & Chief Proctor
20	Ms. Ekta Singh	Asst. Prof., MBA & Asso. Dean (SW)
21	Dr. B. P. Sharma	Registrar
22	Mr. Sanjeev Gupta	Finance Officer
23	Mr. Vimal Padaliya	System Administrator
24	Mr. Ajay Sharma	Parent
25	Mr. Rajvir Singh	Parent
26	Mr. Sirohi	SI, Knowledge Park-II, Police Station
27	One member	Udayan NGO
28	Mr. Anshuman Singh	Chief Warden, NIET Plot No. 14
29	Mr. Rajeev Kumar	Asstt. Professor, MCA & Proctor
30	Ms. Monika Singh	Warden, Girls Hostel
31	Ms. Aditi Singhal	Warden, Girls Hostel

32	Mrs. Suman Bajpai	Warden, Girls Hostel
33	Mr. Vikrant Malik	Warden, Boys Hostel
34	Mr. Pitamber Adhikari	Warden, Boys Hostel
35	Mr. Rajnish Kumar	Asst. Professor, Pharmacy & Proctor
36	Ms. Rishwata Pandey	Student B. Tech (CS), 2 nd year
37	Mr. Shubham Sharma	Student B. Tech (ME), 2 nd year

No instance of ragging has been reported for last four years.

No instances of ragging were reported for last four years.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- Fee waiver scheme
- Medical Insurance (Reimbursement of bills)
- Textbook loan scheme
- Cash prize for meritorious students under various scholarship schemes
- Sponsorship for participation in various extra and co-curricular events
- Government scholarships
- Railway concession

5.1.14 Does the institution have a registered Alumni Association? If yes', what are its activities and major contributions for institutional, academic and infrastructure development?

The Institute has strong Alumni base. The Alumni Association of NIET is yet to be registered and the process of registration is underway. The annual NIET alumni meet is organized on the last Saturday/Sunday of february. The feedback is taken from the alumni to improve the teaching-learning strategies. More than 3000+ students are registered on Alma Connect portal for networking.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Students' progression	%
UG to PG	8-10%
PG to M.Phil.	N/A
PG to Ph.D.	2.5%
Employed	
• Campus selection	60-70%
• Other than campus recruitment	10-20%

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Branch/ Course	2009-13	2010-14	2011-15	2012-16
CSE	82.3	97.05	98.26	99.5
IT	92.24	98.18	95.65	94.28
EN	95.7	92.2	97.2	95.4
ECE	98.4	99.2	99.1	99.2
BT	NA	NA	NA	86.6
ME	97.7	94.69	93.02	90
Civil	95.4	98.4	96.8	98.21
CHEMICAL	98.4	100	100	100
MBA	92.1	93.5	90.1	99
MCA	91.7	88.3	88.4	72.91

The university does not provide any mechanism to compare the result with other affiliated institutes.

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

At regular intervals the Institute conducts Guest Lectures, seminars and workshops on various topics to facilitate student progression to higher level of education and towards employment. NIET has made tie-up with a company called Engineer Zone, to prepare students for GATE. The Institute takes the students to industrial visits from time to time. Aptitude classes are arranged to prepare the students for written test of various companies. Various Group Discussions and Personal Interview sessions are held to help students for interviews. The Institute also organizes workshops from foreign universities and consultants to share information about GRE, GMAT TOEFL etc.

The Institution facilitates the students to higher level education and employment by providing group career sessions through CMC & PFS and industry experts. Such sessions also provide a platform for the students to know about the high potential courses that need to be pursued in order to excel in higher education in India and abroad. Information on university programmes, cost of studies, etc are also shared as far as possible. The Institute also provides coaching to the students who are aspiring for GATE.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

The progress of all the students is evaluated and the poor students are provided with academic counseling, supplementary educational materials, intensive WSDP classes, etc. Faculty mentors and parents interact with students who are at risk of drop out to find out the solutions to enable them to continue studies. The Institute also extends financial support to the needy students. The Institute makes efforts to minimize the dropout rate by:

- Conducting two session tests to enable the students to clear the conditions laid down by the University and holding a Special (third) Test for those who were not able to take the examination due to participation in an outside event or due to medical reasons to facilitate the students to complete the semester studies.
- Organizing WSDP classes for weak students. Faculty members are encouraged to put more efforts and take extra classes to make them capable to compete with other students.
- Skill development (spoken English, computer literacy, etc.): The College shapes not only the future but also the personality through skill development programmes, i.e., organizing special lectures on the spoken language to address the issue of fluency in English as many of the students come from a rural background and they face communication problems. Some soft skill courses are also conducted for personality development. It has been conducted in the Institute for many years by “Pyramid Finishing School (PFS)”.
- Offering financial assistance in the form of stipends/scholarships, concession in tuition fee to the economically weaker students, etc.
- Psychological counseling is given to the students by a trained counselor. In case of any emergency, parents are informed about their wards and they can also take appointments with the HOD/Director to discuss matters pertaining to their wards. Parents-teacher meeting is organized from time to time to discuss the various issues associated with the student’s growth.
- Students are grouped under each faculty member as the mentor for having a free discussion about their problems.
- Conducting various motivational lectures and Workshop on Stress Management in the Institute.

5.4 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

The college organizes activities like sports, cultural and other extracurricular activities for the students in the college. The different committees of the college also give training/guidance to the students for participating in these activities organized by other institutions. The various activities organized in the campus year by year are as follows:

S. No.	Activities	Year	No. of activities	No. of participants
1	Sports Activities	2013-2014	19	1050
		2014-2015	5	600
		2015-2016	26	1350
2	Cultural activities	2013-2014	2	120
		2014-2015	4	140
		2015-2016	5	354
3	Technical Events	2013-2014	28	1200
		2014-2015	14	856
		2015-2016	53	2400

OTHER EVENTS

Year 2015-16

S.No	DATE	Activity Name
1	17-10-2015	Founder's Day

Year 2014-15

S.No	DATE	Activity Name
1	17-10-2014	Founder's Day

Year 2013-14

S.No	DATE	Activity Name
1	15 th August 2013	Plantation under Green Gold Club
2	17 th October 2013	Founder's Day

5.3.2 Furnish the details of major student achievements in co- curricular, extracurricular and cultural activities at different levels: University/ State/ Zonal/ National/ International, etc. for the previous four years.

The Institute always promotes its students to take active participation in off-campus events organized at the university/ state/ zonal/ national/ international level. Following table shows the active participation of students and their achievements in past four years.

The details are as under:

S. No.	Activities	Year	No. of activities	No. of participants
1	Sports Activities	2012-2013	1	1
		2013-2014	7	37
		2014-2015	12	12
		2015-2016	6	27
2	Cultural activities	2012-2013	6	26
		2013-2014	27	27
		2014-2015	5	5
		2015-2016	1	1
3	Technical Events	2012-2013	8	10
		2013-2014	34	34
		2014-2015	15	16
		2015-2016	10	27

SPORTS MEET



NIET CRICKET PREMIER LEAGUE



NIET Indoor Games Challenge 2014 - CHESS



NIET Indoor Games Challenge 2014 TABLE TENNIS



Freshers' Function "Zreyas 2013"



Founder's Day Celebration



Freshers' Function "Armonia 2014"



"The Hidden You...A Talent Show"

Organised by LN department on Saturday, 5th August, 2014



DIG Welcome Ceremony



INDEPENDENCE DAY CELEBRATION



Dr. O.P. Agarwal Quiz Competition



Debate Competition



THE EDITORIAL CLUB
DEBATE COMPETITION, 17th AUGUST, 2015

Painting Competition



Graphics T-Shirt Design Competition



Essay Competition



5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

For the optimum use of the curriculum and thereby benefitting the students the most, CMC takes feedback from its graduates and employers. The feedback is collected from the graduates during alumni meet and from employers during campus drives, seminars, conferences, workshops and guest lectures. The feedback helps in bridging the gap between industry and academia. It helps the Institute in designing the strategies to make our students industry-ready.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.

The Institute publishes newsletters NIETimes and NIET Chronicle covering Institute's events, faculty achievements and students' activities. Editorial boards of both of these newsletters comprise students and teachers.

Most of the departments publish the latest developments in various areas through wall magazines.

Societal activities at Institute and departmental level are organized in form of competitions like Paper Presentation, Movie Making, Poster Making, etc. Institute has editorial club that is run by the students under the guidance of the faculty coordinator. Management of the Institute motivates the students to publish magazine, papers, and books under the editorial club.

Institute also motivates the PG students to publish their research papers in national and international conference/ journal that fulfill the requirement of the completion of their PG course.

Year 2013-14

Book Publication

A fiction entitled "What she says? What he meant?" was published by Dream House Publication in Year 2014 by **Richa Sharma** (B. Tech, Chemical 3rd year) & **Aamir Khursid** (B. Tech, Civil Engg 4th year).

Paper Publications

S. No.	Title of the Paper	Author	Event Name
1.	Underwater Friction Stir Welding: An Overview	Tulika Garg, Priyank Mathur, Varun Singhal, Chirag Jain	Enzinius 2k14

2	Joining of Bulk Metallic Material using Microwave Energy: A Review	Arjun Srivastav, Divyanshu Upadhaya , Ashutosh Tomar	Enzinius 2k14
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Year 2014-15

Paper Publications

S. No.	Title of the Paper	Author	Event Name
1	A Review of Friction Stir Welding for Joining of Dissimilar Material	Heramb Tiwari (ME 4 th Year) Ashish Yadav (ME 4 th Year) Arpit Chauhan (ME 4 th Year)	An International Conference & Exhibition on CETCME-2015
2	A Review of Solid Based Disposal by Incineration With Generation of Electricity Without Emission of Toxic Gases	Vishwa Vipul Raunak Nishu Kumar Vivek Kumar Verma Lailo Nehar	An International Conference & Exhibition on CETCME-2015
3	A Review of Friction Stir Welding for Joining of Various Aluminum Alloys	Alankrit Chandra Ashutosh Kumar Ishan Gautm Avanish Kumar Yadav	An International Conference & Exhibition on CETCME-2015
4	Microwave Casting of Aluminum Alloys	Shubham Panwaria	An International Conference & Exhibition on CETCME-2015

Year 2015-16

Book Publications

1. A fiction on – “Grey – A Pun in everyone’s life” is written by Nandani Tyagi, B. Tech (ECE, 3rd year) in year 2015.

- **Paper Publications**

- Mayank Kumar Pandey, Dr. Dileep Singh, “Global wings through international modes of entry and Expansion” NIET Journal of Management, Volume VII, Issue 1, Summer 2015, ISSN -0975-7643

- Singh Devendra, Aggarwal Gaurav,- “Critical Review Of The Companies Act 2013” Journal of Engineering, ICT & Management, October, 2015/Issue 3/ ISSN No. 2230-9756
- Subhi Singh, Ritesh Rastogi, and Prem Sagar Sharma, “Automatic Lecture Attendance System using Face Reorganization,” in MATRIX Academic International Online Journal of Engineering and Technology (MAIOJET), Volume: 3, Issue: 1, Page No.: 36-40, April 2015. [ISSN: 2348–3326].
- Amar Pal Yadav, and C. S. Yadav, “Dynamic Approach for Measuring Internal Attributes of Object-Oriented System,” in International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume: 4, Issue: 4, Page No.: 1617-1622, April 2015. [ISSN: 2278-1323].
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- Subhi Singh, Ritesh Rastogi, and Prem Sagar Sharma, “Mobile Device Management to Enhance Higher Education System,” in International Journal of Information Technology and Management (IJITM), Volume: 8, Issue: 11, Page No.: 1-7, February 2014. [ISSN: 2249-4510].
- Deeksha Sharma, Abdul Khalid, and Shradha Parasher, “Reversible Watermarking on Medical Data,” International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume: 4, Issue: 1, Page No.: 11-17, January 2015. [ISSN: 2278-1323].
- Neelam, Pankaj Kumar and Atul Gupta, “Simulation Study and Implementation of Different Mobile Ad-Hoc Network (MANET) Routing Protocol under Network Traffic,” in International Journal of Computer Applications (IJCA), Foundation of computer

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 - Sapna Sharma, Chitvan Gupta, “Recognition of Plant Species based on leaf images using Multilayer Feed Forward Neural Network”, International Journal of Innovative Research in Advanced Engineering (IJIRAE), Issue 6, Volume 2 (June 2015)
 - N. R. Chandak and Babu Amit. “Effect of lime sludge on the strength and compaction of soil”, International Journal of Civil Engineering Research, SAP, 2015, 5(1): 18-20.
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- **Rashmi Gupta, Ramesh Chandra Sahoo “A Survey on Routing Protocols of MANET in Wireless Sensor Network”**, International Journal of Computer Science and Mobile Computing Vol.4 Issue.4, April- 2015, pg. 812-822

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The Institute has Student Academic Advisory Committee (SAAC) for a formal discussion with higher authorities and students so that the bridge can be minimize on the different academic issues. The SAAC comprises intelligent, average and weak students from each class. In addition to SAAC Institute have different clubs eg. editorial, music and dance, theatre, sports, fine arts, paint, etc. at department as well as Institute level. Additionally, the Institute has a number of students’ committees to serve various purposes. They are:

- Anti- ragging committee
- Hostellers mess committee
- Students’ co-ordination committee for cultural events sports & games
- Discipline committee

The formation and composition of the above students’ committees are need based and generally, each committee consists of about five to ten students from senior batches, who have good organizational / managerial capabilities to assist in smooth conduct of various events / functions. These students’ committees are funded by the Institute on requirement basis.

In addition to above mentioned societies and committees, every class has two student representatives, class coordinators and placement coordinators to handle issues related to student affairs. This group directly interacts with Director, Dean (SW) and HODs.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The details of various academic and administrative bodies that have student representatives on them are:

Administrative Bodies

- 1) **Anti ragging committee**– The Institute has a well structured anti ragging committee which involves the participation of students.
- 2) **Student Welfare Committee**- The Institute has a student welfare committee headed by the Dean, Students' Welfare under which a student council is formed which assists in organizing various co-curricular and extra co-curricular events within the Institute.
- 3) **Placement Coordinator**- For the smooth functioning of Career Management Cell in the Institute, students are involved as placement coordinators.

Academic Bodies

- 1) Entrepreneur Development Cell (EDC)
- 2) CSI Student Chapter
- 3) ISTE Student Chapter

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

NIET organizes alumni meet annually to network and collaborate with the alumni. In addition to the alumni meet, the Institute has a portal named 'Alma connect' to remain in touch with its alumni. The portal has almost 2073 registered users. The Institute also invites the graduates to guide the students through lectures, mentoring sessions, etc.

The Institute networks and collaborates with its former faculty members by inviting them to seminars, expert lectures, workshops, interview panel, etc.

Any other relevant information regarding Student Support and Progression which the college would like to include.

We also encourage our students to participate in media programmes by facilitating live discussions on TV channels like India TV, NDTV, etc. The students' innovative projects and their views on social issues are also made public through various newspapers.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision:

To be an institute of academic excellence in the field of education, with future plan of becoming a deemed university, earn name and hence win faith of the society.

Mission:

To impart to its students a high quality education, develop their skills, broaden their mental horizon and nurture them into competent and talented professionals to meet the challenges of the new millennium.

Quality Policy:

Our quality policy is to develop highly skilled human resources with the ability to adapt an intellectually and technologically changing environment with the participating efforts of the management, staffs, students and parents.

The Institute focuses on imparting high quality education and developing highly skilled human resources with the ability to adapt to an ever changing intellectually and technologically environment. This is accomplished with participative efforts of the management, staff, students and parents.

The mission of the Institute inculcates a sense of pride and results in a competing environment with a continuous desire to excel in their respective fields. It makes them market connected, master their engineering skills, continuous learning aptitude, creativeness and adaptable to be an effective professional and a responsible citizen.

The mission statement of NIET strengthens its commitment to its students to prepare them as an ethical, value based and socially responsible professional of the modern era. The Pyramid Finishing School makes NIET the only institution in the region that imparts communication, personality and behavioral training to its student's right from the time they join NIET family in addition to their technical curriculum. The incubation centre, a galaxy of alumni, well equipped library, dedicated staff and progress based tailor made mentoring are some of NIET's distinctive characteristics that reflect in placement record of the institute.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The NIET Management extensively follows the “Principles of Continuous Improvement”. They regularly meet to define improvement Goals, measure current state, identify weak areas and issues that require improvements, brainstorm and agree on key initiatives, convert these initiatives into action plans with clear responsibilities and timelines, continuously measure the impact of these actions, take during course corrections if necessary and ensure that desired results are achieved.

These programs which drive the Quality policy of institute are CWQIP, TSDP & WSDP.

The Director involves Deans, HODs, and other employees holding key positions in the Institute in designing the quality policies and plans to support our vision. He forms small expert groups to come out with draft policies and procedure which are then debated in a larger forum for their objective, likely impacts including financial, possible fall outs mitigation plan etc. Once agreed an implementation plan is prepared, communicated to all concerned and rolled out.

Since, all the faculty members are involved in the process, it improves the sense of ownership of the decision, inculcates better team working, outside the box solutions and speedy implementation.

Each team member gets to contribute based on their expertise be it curriculum designing, examination, sports, facility management, cultural events, ERP, Research or administration.

6.1.3 What is the involvement of the leadership in ensuring?

The policy statements and action plans for fulfillment of the stated mission

- The leadership is committed to achieve its mission by imparting quality education to its students. The leadership takes responsibility to provide facilities for learning and growth of the Institute. To achieve the target, necessary road maps are drawn and responsibilities to accomplish them are given with accountability within a stipulated time. Proper budget is allocated to various departments for improving the infrastructure of their respective departments.
- The leadership encourages the participation of the faculty members and staff in the process of decision- making in institutional functioning. The policy statements and action plans are formulated, after careful consideration of all the stakeholders.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

- The leadership strictly follows mission statement of the Institute in formulation and accomplishment of the strategic plan. Detailed implementation plans are prepared under the supervision and guidance of the Executive Vice President, Director, Deans and Departmental Heads of the Institute. Institute prepares a well-planned academic calendar before a new session commences. Multiple committees exist at the Department level,

which have responsibility to plan out activities for the development and ensure their timely execution. Each staff member prepares a lecture plan and content analysis for subjects allotted to them before the commencement of the classes in each semester. We have an elaborate system of collecting individual and group feedback. This feedback is meticulously analyzed and corroborated with appropriate performance measures. Gaps if any, are discussed in a committee of experts for suggesting corrective measures, policies and process changes.

Interaction with stakeholders

- The Institute interacts with students and their parents, staff, alumni, university administrators, and the state government for the smooth functioning of the Institute. The Institute interacts with the stakeholders through:
 - Mentors counseling to students
 - Director meeting with students
 - Director meeting with staff
 - Parents-teacher Meet
 - Placement drives
 - HR and VC conclaves
 - Alumni Meet
 - Governing Body Meeting
 - Different correspondence to the Stakeholders

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- The policies and planning are properly supported after assessment and discussion with the stakeholders. The Director, Deans and HODs review the effective implementation of plans on the basis of the feedback taken from the students, alumni, teachers and employers etc.
- The suggestions given by the stakeholders during interactions, guest lectures and training programs are used for bridging the gap between academia and industry. Besides, the Institute has signed MOUs with various companies to provide additional technical training to the students. The Institute also provides the training in various technologies with support of C-DAC, Microsoft, and PTC, ARC, CARDEA LABS, iOS Apple, Cloud Computing, Big Data, Embedded System, VLSI, etc. To improve the performance of the students, through internal exams and coursework are conducted periodically and the results are reviewed and displayed for the students.

Reinforcing the culture of excellence

NIET leadership nurtures the culture of excellence on the campus in following ways:

- Various centers for excellence are being established with the help of experts of industry & academia to bring the culture of excellence

- Research and Development related programs are being organized frequently and Faculty members are encouraged to pursue higher education and rewarded for writing research papers
- Key international research journals and magazines are integral part of our library
- Faculty members are encouraged and supported to participate in Development Programs
- We also organize such programs frequently and invite participation to encourage cross exchange of views leading to mutual learning
- Inspiring people and creating culture of involvement, ownership, empowerment, entrepreneurship, improvement and accountability at all levels
- Support people throughout the organization to achieve their plans, objectives and targets
- Recognizing efforts in a timely and appropriate manner

Champion organizational change

The leadership effectively creates a team of champions to endorse the changes in the organization. The management involves itself in selecting and training suitable persons so that they could act as change champions. These champions positively implement the changes and avoid resistance to change within the organization. Some of its benefits are:

- To foster an adaptive mindset
- To promote creative thinking
- To involve key stakeholders and build commitment
- To work with people at different hierarchical levels
- To promote team work
- To plan and manage the change process
- To raise people's morale

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The procedure adopted by the Institution to monitor and evaluate policies and plans of the Institution for effective implementations are:

- Instituting performance Goals and measures
- Feedback system
- Meticulous analysis of measures and identification of performance gaps
- Root cause analysis and improvement actions
- Improvement actions and their implementation
- Measuring the impact of improvement actions
- Continuous teacher-student assessment process
- Periodic feedback from stakeholders (parents, students, alumni and employers)
- Computerized record keeping system through ERP
- The Institute's leadership ensures effective management and implementation of plans for future development
- Institute abides by the rules and regulations of AICTE/AKTU

- The decisions taken by the appropriate regulatory bodies of the Institute are closely monitored by the respective committees for the implementation of any decision

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The top management of the Institute strengthens the academic environment through leadership at all levels. The management also fosters communication among students, faculty members and staff to promote a greater understanding of the process of academic activities. Director, Deans, Faculty members and staff members are involved in academic and other activities to implement the various academic plans and policies.

These leadership teams meet regularly, and also in small group as per the demands of the academic calendar and task in hand. Minutes of meetings with clear action, responsibility, and time lines are issued, resources are committed and reviewed frequently to make it a seamless process.

Following faculty members are involved in the academic leadership of the Institute:.

- Director General
- Director
- Dean (Academics)
- Dean (Students' Welfare)
- Dean (R&D)
- Dean (Administration)
- Dean (Ist Year)
- Dean (IInd shift)
- Head of the Department
- Controller of Examination (COE)
- Time-Table Coordinators
- ERP Coordinators
- Placement Coordinators
- Class Coordinators
- Lab Coordinators
- Project Coordinators
- Cultural (Events) Coordinators
- Student Mentors
- Internal Quality Assurance Cell Coordinators

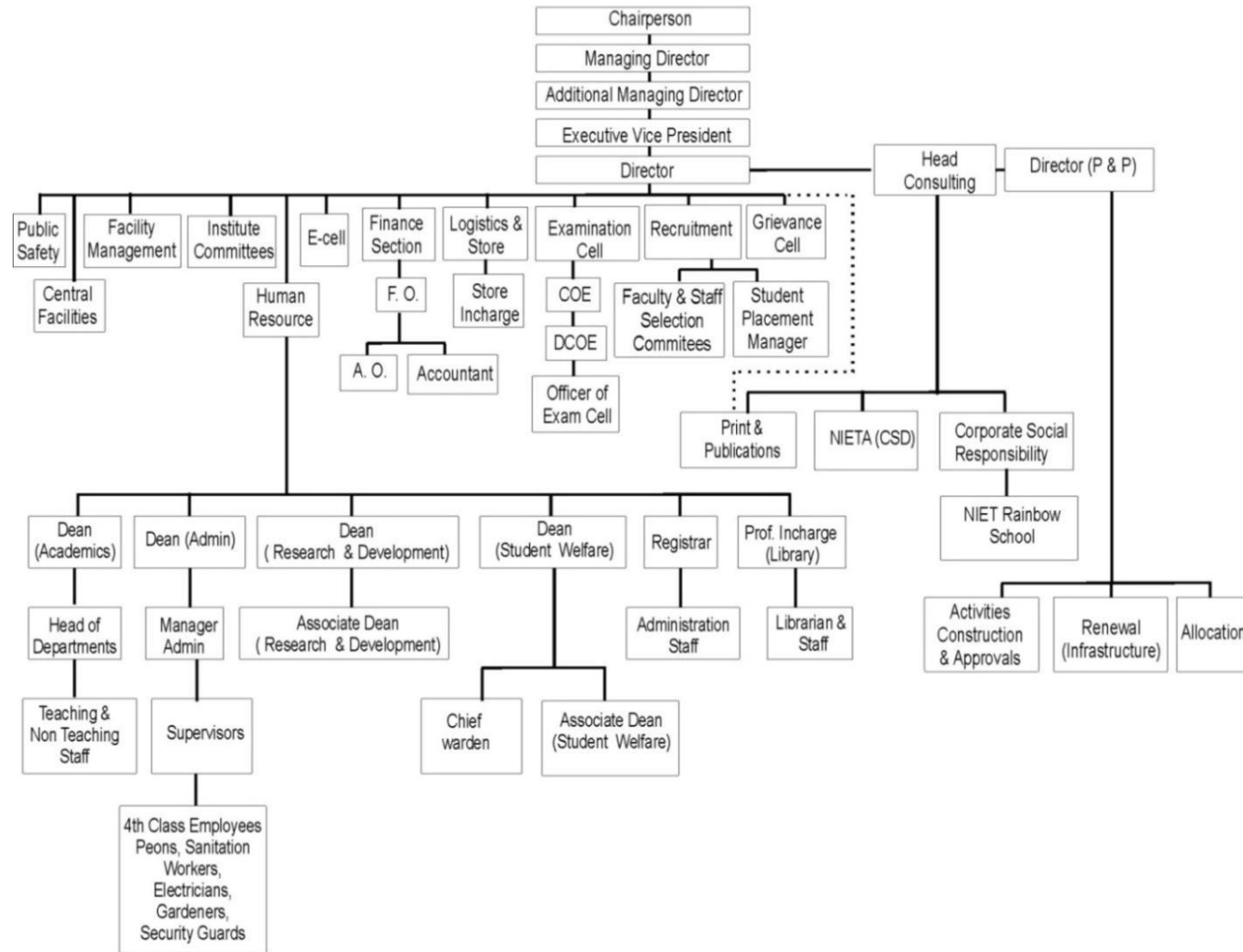
6.1.6 How does the college groom leadership at various levels?

- The Management encourages senior leaders of Institute to attend leadership programs regularly (Year 2015, Executive Vice President & Director attended Leadership Program at Oxford University (United Kingdom), Year 2016 senior leaders did leadership program with GALLUP India.
- The Institute fosters a culture of nurturing ideas, processing and funneling of ideas, resulting in shared vision and communication involving at all the layers of hierarchy.
- We encourage our leadership team members to seek “outside in view”, interact with experts by participation in national and international forums.
- We carry out a self-assessment session in which individual members rate themselves on 23 leadership traits, identify development areas for themselves and then jointly work out a plan to improve on these traits. Management provides all necessary support whether it is training, getting special work sessions, journals like Harvard Business Review etc.
- The Institutional leadership fosters a mechanism of hierarchy and subject expertise for smooth functioning by forming small autonomous teams, as per their interest and experiences. At operational level, faculty and staff members are appointed for different roles for conducting all academic and administrative duties. This helps them hone their leadership skills.
- The top management also encourages the supporting staff by involving them in different activities of the Institute such as finance, record keeping, maintenance, and transportation. This fosters a mechanism of continuous mentoring.
- While honing the internal expertise and knowledge, we continuously scan the external environment for “Good practices” followed in other institutes/ industries and invite experts for interaction with our leadership team on regular basis sometimes on short term assignments also.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/ units of the institution and work towards decentralized governance system?

- NIET follows a decentralized governance system. The core decisions related to the improvement and achievement of the objectives of the Institution are taken by the governing body. These culminate in form of goals and targets. The Director is delegated powers to ensure implementations of all these decisions. The Director is authorized to take all academic decisions in consultation with Deans, HODs, and other senior personnel of the Institute with given budget and resources. Further, Deans and HODs are authorized to take decisions at their level with full academic autonomy keeping all the institutional policies and guidelines of the top level management in view.
- Governing body reviews the progress on quarterly basis and also takes up special budget/ resource requirements, if any, to support the cause.

NIET ORGANISATION CHART



6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.

The institute thrives on the principle of team working and participative management, so much so that NIETians largely attribute it’s success to this specific cultural dimension. Entire Strategic planning, initiatives, goal setting, responsibility assignment and time lines is an iterative and participative process in our institute with active participation of various management layers. This helps in complete “buying in” by all and improves participation with total clarity.

The top management always welcomes opinions and suggestions of teaching and non-teaching staff, students and other stakeholders. We have a well-orchestrated suggestion scheme in which anybody can put his/ her suggestion, these suggestions are then reviewed by the subject team, originator is provided a feedback and top five suggestors are rewarded with a special dinner with the chair person on annual day.

We also conduct “theme based” suggestion campaigns before important events e.g. “suggestions for annual day”, this helps us in assimilation and processing wider perspective. The Director also calls meetings of staff having key positions every week inviting suggestions for improving the efficacy of the Institute. These ideas are pooled, prioritized and those requiring budget / resources are presented to governing body on monthly basis. Governing body regularly reviews progress and helps team make mid-course correction.

The Director is the Head of the Institution and also the member secretary of the governing body. The Heads of Departments work under Director for day to day functioning of individual departments. Every department has formed various committees and distributed the responsibilities among faculty members accordingly. Regular meetings of the faculty members with Head of Department are conducted in every department for efficient and timely execution of policies.

6.2. Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, our quality policy is to develop highly skilled human resources with the ability to adapt an intellectually and technologically changing environment with the participating efforts of the management, staff, students and parents.

1) The quality of teaching staff is improved through:

- National and international conferences
- Seminars on various issues in the field of engineering and technology, management.
- Workshops on various topics from time to time
- Training of the teaching staff by calling the experts from industries and research institutions.
- Supporting and encouraging the staff for higher education by providing academic leaves and ODs.
- The faculty members are motivated by monetary rewards to publish their research in reputed Journals.

2) The quality of students is improved through

- Full time availability of faculty members to solve the queries of students
- By assigning projects related to the real world problems
- By conducting special sessions by the experts to invoke the creativity and passion of students in different domains of research /study/engineering

3) The non teaching staff (especially lab support staff) is also trained by the faculty members and experts in the relevant discipline/field.

The quality policies are developed, driven, deployed and reviewed by the departmental Heads, Dean(s), Director(s) and governing body of the Institute from time to time according to the need of the industries in public and private sectors.

Apart from these general trainings, we do identify specific training needs of the individual and help individuals improve by providing training, mentoring support, counseling and reading materials.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

‘Yes’ NIET has prepared a Perspective Plan for the period 2014-2019 by taking into consideration the vision, mission and quality policy of the Institute. The Internal Quality Assurance Cell (IQAC) in the Institute devises the perspective plan for the development of the Institution with reference to quality sustenance and quality enhancement. Since faculty commitment is crucial for successful implementation of the Perspective Plan, they are fully involved in its development at all stages.

Noida Institute of Engineering and Technology (NIET) is the first engineering college in northern India and one among the 10 engineering college, chosen by the College of Engineering Pune (CoEP) as a part of the Margdarshan scheme of the All India Council for Technical Education (AICTE). The College of Engineering Pune, will act as a Mentor and is expected to conduct programmes for the technical enhancement of faculty and students at NIET in terms of teaching learning process and also shall guide in improving the curricula, faculty and placement record. NIET has signed a MoU with CoEP, paving a new way in creating an academic ambience by nurturing and supporting quality education in Technical Institutes.



The Perspective Plan for 2014-2019 identifies the following broad targets. Since 2014-15 some of the short term and medium term goals have been achieved.

Educational Processes:

Planned activities	Outcomes
<ul style="list-style-type: none"> ▪ To become a leading technical institute in the region. 	<ul style="list-style-type: none"> ▪ The Institute is following the roadmap religiously. The efforts have been recognized by NIRF, MHRD, Government of India. In session 2015-16 the Institute is ranked at 99th place among the best performing institutes of the nation.
<ul style="list-style-type: none"> ▪ To build a culture of research and innovation in all the departments. 	<ul style="list-style-type: none"> ▪ All the departments have improved the number and quality of publications in the last three years. ▪ The management of the institute has supported the research activities by providing all support and motivation through cash rewards. ▪ Two in-house research journals has been started by the Institute.
<ul style="list-style-type: none"> ▪ To create an ecosystem for incubation of start-ups. ▪ Entrepreneurship 	<ul style="list-style-type: none"> ▪ Entrepreneurship Development Programmes are being organized regularly.
<ul style="list-style-type: none"> ▪ Extra-curricular activities: Physical activities, Cultural activities, Festival celebrations, Service activities, and through Hostel life 	<ul style="list-style-type: none"> ▪ The frequency of conferences, workshops and seminars has increased substantially. ▪ Many extra-curricular activities are being organized by student clubs
<ul style="list-style-type: none"> ▪ Industry engagement 	<ul style="list-style-type: none"> ▪ CSI and Mozilla Firefox clubs have been established. ▪ Eight new labs are developed in collaboration with the industries. It includes collaboration with Microsoft, Apple and PTC etc
<ul style="list-style-type: none"> ▪ To prepare socially sensitive leaders in technology. 	<ul style="list-style-type: none"> ▪ A Creative Design Cell (CDC) is developed to nurture creative thinking for the betterment of society. The competitions are organized by CDC.

Human Resources:

Planned activities	Outcomes
<ul style="list-style-type: none"> ▪ To recruit top quality faculty and staff. 	<ul style="list-style-type: none"> ▪ A good number of faculty members with doctorate from premier institutions have joined the Institute
<ul style="list-style-type: none"> ▪ To develop high quality human resources to serve the nation 	<ul style="list-style-type: none"> ▪ Many faculty members were encouraged for higher degrees. Some of them have completed their doctorate and some are in final phase.

<ul style="list-style-type: none"> ▪ To train and improve the quality of existing employees 	<ul style="list-style-type: none"> ▪ A number of programmes are being organized regularly. Such as leadership program, faculty training & development program, short-term training program and staff development program etc.
<ul style="list-style-type: none"> ▪ To develop heterogeneous academic community for technological innovation and excellence in learning 	<ul style="list-style-type: none"> ▪ The Institute recruits faculty members from all parts of the nation. The leadership is the blend of people from different IITs, NIETs and central universities.
<ul style="list-style-type: none"> ▪ To deploy technology for enhancing productivity and efficiency 	<ul style="list-style-type: none"> ▪ The ERP is implemented for keeping the record of attendance and examination, library HR activities.
<ul style="list-style-type: none"> ▪ To strengthen the incentive structure associated with performance appraisal. 	<p>The Institute has taken initiative to start new incentive schemes for nurturing the bondage of faculty and staff with the Institute. A few initiatives are as under:</p> <ul style="list-style-type: none"> ▪ The Institute is paying salary as per sixth pay commission reports. ▪ A Medical Insurance of Rs 100000/- per annum is started by the Institute for all faculty and staff members at a nominal cost of Rs 100/- per month. ▪ Chandrasen Agarwal Incentive scheme for faculty and staff members. ▪ Honorarium to faculty members for research publication in SCI journals.

Physical Resources:

Planned activities	Outcomes
<ul style="list-style-type: none"> ▪ To develop state-of-the art facilities 	<ul style="list-style-type: none"> ▪ One new building is development to house the central library and department of MBA and Department of Biotechnology
<ul style="list-style-type: none"> ▪ To deploy technology for enhancing productivity and efficiency of system. 	<ul style="list-style-type: none"> ▪ The institute has started a Technology Business Incubation Centre for budding start-ups.
<ul style="list-style-type: none"> ▪ To create value through technology development 	<ul style="list-style-type: none"> ▪ Eight new labs based on cutting edge technologies have established in collaboration with industries. It includes Microsoft Innovation Centre, PTC competence centre, Apple's Research lab etc.
<ul style="list-style-type: none"> ▪ To develop state of the art facilities and prioritize the infrastructural investment options 	<ul style="list-style-type: none"> ▪ A new library is developed with 24 x 7 open facilities for students.
<ul style="list-style-type: none"> ▪ To benchmark institutional infrastructure 	<ul style="list-style-type: none"> ▪ Rainwater harvesting system is reestablished under the guidance of GNIDA

	<ul style="list-style-type: none"> ▪ Waste water treatment plant (STP) of 195 KLD has been installed for an environmental cause.
	<ul style="list-style-type: none"> ▪ Innovative UG projects of societal relevance ▪ A solar power plant of 100 KVA is being installed

Governance:

Planned activities	Outcomes
<ul style="list-style-type: none"> ▪ Nurturing integrity, creativity and academic freedom 	<ul style="list-style-type: none"> ▪ A creative design cell (CDC) is established to promote innovation.
<ul style="list-style-type: none"> ▪ To optimize organizational processes 	<ul style="list-style-type: none"> ▪ The processes are reviewed and analysed on regular basis. ▪ The admission process is refined every year. ▪ Registration process is modified in this session.
<ul style="list-style-type: none"> ▪ Departmental roadmaps to be followed with sincere efforts 	<ul style="list-style-type: none"> ▪ A new Departmental Progress Report (DPR) is introduced since session 2015-16 ▪ A new Student Performance Report (SPR) is introduced since session 2014-15 to keep the record of students progress.
<ul style="list-style-type: none"> ▪ To strengthen the existing systems and procedures for conflict resolution and redressal of grievances 	<ul style="list-style-type: none"> ▪ The Institute has created the requisite processes and mechanisms for handling grievances covering all sections- students, staff and women.

Building Relationships:

Planned activities	Outcomes
<ul style="list-style-type: none"> ▪ To weave research into academics and become a prospective research center in some areas of engineering and technology. 	<ul style="list-style-type: none"> ▪ Many corporate engagement activities like HR Conclaves and Town Hall activities are being regularly organized to observe the gap between industry and academia.
<ul style="list-style-type: none"> ▪ To become a prospective partner for nearby industries and develop a culture of collaborative research and consultancy generation. 	<ul style="list-style-type: none"> ▪ The institute has signed MoUs with thirty three nearby industries to foster industry-institute interaction.
<ul style="list-style-type: none"> ▪ To intensify the involvement of Alumni in all aspects of Institute's development. 	<ul style="list-style-type: none"> ▪ A proper Alumni cell has been established in the Institute

<ul style="list-style-type: none"> ▪ Increase ISR activities 	<ul style="list-style-type: none"> ▪ ISR activities like Rainbow school, self defence training, tree plantation and Swabhiman are in place.
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6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

1. Teaching & Learning:

- The teaching and learning process is continuously monitored at institute level through Daily Academic & Administrative Monitoring Meeting (DAAMM).
- Special emphasis is given to course coverage and its timely completion as per the university syllabus and guidelines. Important and difficult topics relevant to subject matter are discussed by the expert faculty members and necessary guidelines, notes, numerical, standard solutions are provided to staff in advance to ensure uniform delivery across all sections.
- Expert subject faculty has an additional responsibility of tracking latest developments taking place universally in the subject and share with the concerned staff and students. Additionally, a special lecture is assigned to each class for discussion on the recent trends introduced in the particular field.
- We actively collaborate with the leading organizations and industries to train the students according to the present needs of the industry.
- Through Pyramid Finishing School students are trained over employability skills.
- All the classrooms are equipped with projectors and other accessories to ensure effective teaching and learning through audio/video lectures and visual display.
- Video lectures on particular subjects are provided to the faculty members to teach subject in more interactive way.
- Special care is taken for the students who are identified as weak in some or all subjects.

2. Research & Development

- The Institute makes continuous efforts to recruit and retain the faculty members who have good research inclination. Institute facilitates and rewards higher education, research papers publication, patent filing.
- Promoting research activities through PG programs in various departments.
- Focus on publication of good research papers by the faculty members. The faculty members are rewarded for publication in SCI indexed journals.
- NIET Journal of Engineering & Technology and NIET Journal of Management are published annually to cover good number of research papers.

- Faculty members are encourage to pursue Ph.D. from reputed Universities from India and abroad.
- Research laboratories are being developed in all the departments.

3. Community engagement

- Institute has a running school on the campus “Rainbow School” for the children of economically weaker section of the society. We frequently call eminent people to interact with the students to promote it further
- Arrangement of funds for the natural disasters by inviting voluntary donations to help the victims
- Student clubs are motivated to conduct social activities for betterment of the community
- The office of the Dean (Students’ Welfare) keeps continuous monitoring of extra-curricular activities through feedback and suggestion scheme
- Regular tree plantation programs
- TCS Fit-for-Life Marathon
- Swachh Bharat Abhiyan
- Village Navada is Adopted for ISR activities
- Teaching for children’s of labor and 4th class employees.

4. Human resource management

- The Institute follows a rigorous procedure for the recruitment of teaching and non-teaching staff. Job requirements are properly defined and candidates are assessed for best “Fit” by a panel of experts. The panel comprises Director, Head of the departments, Senior Professors and Experts from reputed academic institutions and universities.
- The salary of the employees is strictly as per the latest recommendations of the government and market connected, this reflects in retention and low attrition rate of the institute.
- Each individual has a well-defined role and target, and are assessed annually on the achievement of goals, leadership attributes, identification of gaps if any and individual development needs. Same is supported by the management in following year.
- Leave encashment, winter and summer vacation.
- Consistent outstanding performance and contributions are rewarded through additional increments and out of term promotions.
- Teaching and non-teaching staff members are deputed for specialized training.
- Other motivational schemes like Chandrasen Agarwal Incentive Scheme, Medical, EL encashment, Laptops on EMI, etc.

5. Industry interaction

- We invite Industry leaders for theme based talks.
- Special structural slots in the defined framework for students to visit industries
- Training and certification of students from different industries during their projects

- Specifically designed training programs for companies in line with their unique requirements e.g. Headstrong, HCL, etc.
- Campus drives to recruit the students and feedback from recruiters
- Signing MoUs with industries
- Organizing HR and VC conclaves

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

We have a combination of following formal/ informal settings in which senior leadership team meets the stake holders and receives feedback on various aspects.

- Through DAAMM (Daily Academic and Administrative Monitoring Meeting)
- Tea with The Director – Once a week Director meets a group of students in the evening over a cup of tea and snacks to discuss their issues pertaining to lodging, boarding, transportation, quality of infrastructure, labs, education etc. This also helps him seek their suggestions on upcoming events; in turn he also briefs them about major happenings.
- As similar weekly meeting is held over the breakfast along with a group of teachers from a particular stream (on rolling basis) to understand their issues.
- Family group meeting – Director meets his family group (direct reporters) once a month in which he processes the information / feedback gathered from above two interactions and take corrective/ improvement measures.
- One of the leadership team members make it a point to join sport events/ practice sessions to understand their needs and encourage them.
- The Director makes it a point to personally visit / take a round of hostels, kitchens, library, sports facility and food joints within campus to have first hand feel about their condition, and use this opportunity to interact with service staff and students.
- Parents-teacher meetings
- Recommendations of the alumni for overall improvement of the Institute
- Class coordinators
- Proctorial Board
- Students' Welfare Association

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The management encourages and supports the involvement of the staff by nurturing a culture of open and transparent communication, methodically inviting their suggestions, acknowledging their contribution, giving them frequent feedback about progress made on their suggestions and rewarding them.

Above stated action is supported by providing them a free hand to work in their respective areas of control with total delegation and authority. Every individual is clear about the task ahead since they were part of “Goal setting Exercise” and designing of strategic initiatives. NIET follows a democratic and all inclusive transparent process in

decision and policy making wherein each employee feels at home to work responsibly. The efficacy of the Institute is ensured thus:

- The workload is appropriately allocated by the HOD to the faculty members and staff as per their specialization and interest.
- Coordination among various departments
- College-level competitive examinations and games
- Rights to take decisions as per the requirement of academics
- CL/EL encashment scheme
- Cash prizes for their commendable results and for publishing research papers
- Participation in workshops, seminars, symposia and conferences at State, National and International levels
- Reimbursement of 50% fee for becoming the member of any professional body

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The management council made these resolutions in the last year and they have been successfully implemented. Some of the resolutions taken are as follows:

S. No.	Resolution	Implementation Status
1	Organise the International/National conference	The ECE and ME department organized and hosted international conference during this year. The conference had many papers and participation from all over India.
2.	Students Chapters of professional bodies	The CSE/IT/MCA department started CSI Students Chapter from this year, many students get the membership of ISTE.
3.	Participation in Faculty development Programs	The faculty members of all departments participate in FDP's organized by departments as well as other institutions.
4.	NIET Journal Papers to be online	NIET Journal of Engineering and Technology are made available through institute website
5.	Soft Skills Development Programs	The PFS of NIET organizes soft skills classes run by corporate trainers in every semester.
6.	Collaboration with Microsoft	Microsoft provides training and certification in various technologies.
7.	Foreign Language Cell	Already implemented. Japanese(with Japan Foundation) & German (with Max Mueller Bhawan)
8.	CARDEA Research Lab	NIET has Centre of Excellence for Bio-Medical Instrumentation & Signal Processing
9.	NIET TBI	NIET has developed Technology Business Incubator, Approved by Ministry of MSME, Govt. of India which initiates and monitors the entrepreneurship skills in the students. 10 Startups have already been successfully incubated
10.	PTC Lab	NIET ties-up with PTC- Centre of Competence, to provide fully skilled, trained and retainable manpower

11.	Technical Skill Development	NIET has recently established 8 dedicated laboratories to strengthen the technical skills, Apple, IOT, Cloud Computing, Bigdata, Mobile App, Clinical Research & Bio-informatics, Product Design & 3d Printing, Embedded System
12.	Advanced Robotic Cell	Advanced Robotic Control Lab(Indo-German collaboration) at institute helps students in transferring hi-end technology in the Automation & Mechatronics sector
13.	NIET Mobile App	NIET has its Android Application where students and parents can access Institute recent news, events, notice and placement news, etc
14	TedX	NIET organizes first TedX talk and now making proposal to NIET Chapter of TedX

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?

YES, there is a provision in the norms of the affiliating university (AKTU) for according the status of autonomy to an affiliated institution. NIET has not applied for this status yet.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

We have instituted various committees to receive, investigate and act on the grievances, they are also responsible for suggesting and drafting long term policy changes to minimize the re-occurrence of such incidents. e.g., Anti Ragging Committee, Grievance Redressal Cell, Women’s Grievance Redressal Cell, etc. Above ensures better environment to students, employees, and parents. Each incident is meticulously recorded and presented to the Director with disposition.

The **Anti Ragging Committee** includes Directors, Deans, HODs, Chief Proctor, Registrar, Parents, one member from Udayan NGO, Hostel Warden and some students. In view of the increasing number of girl students in the campus, Women Grievance Redressal Cell makes every effort to ensure that the girls feel at home. The cell resolves common problems of girl students and also takes up individual cases of sexual harassment, if any. Ragging in the hostels is strictly prohibited, and any adventure in this respect is punishable.

Convener of Women Grievance Redressal Cell is Dr. Ghazala Naaz and the committee members are Dr. Rupa Mazumder, Mr. Vineet Verma, Mr. C.S. Yadav, Dr. G.S. Chakraborty, Ms. Ekta Singh and Dr. Vipin Kumar.

These committees are published on the notice boards, institute website and other important places so that a person can promptly contact the concerned committee.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No court case has been filed by and against the institute.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?

Yes, the Institution has a well-established mechanism for analyzing students’ feedback on institutional performance. There is a set procedure for taking feedback. In every semester the first feedback is taken in the beginning of the academic semester usually after one month of the commencement of the classes. Thereafter, second feedback is obtained at the end of the academic semester. The Institution has fixed a complaint box in each block for students’ suggestion and complaints. These complaints/suggestions are also heard and addressed as and when required. The student feedback received is discussed in the DAAMM and department meetings and appropriate action is taken by the authorities concerned. The feedback is conveyed to the concerned persons for corrective action. We are proud to say that over the time, numbers of complaints have reduced. This clearly reflects the faith and trust of the students and staff on Institute.

6.2 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

Following steps have been taken by the Institute to improve the professional development of its employees:

- Succession planning : Once a year Governing body takes stock of current resources, maps it against future requirements and based on appraisals, strengths, weaknesses of the employees deliberates on additional roles, lateral moves, end point growth, readiness to take new roles and also development needs to be ready for new roles. This is used to fill forthcoming vacancies internally and also to chalk out training and development road map.
- Communication skills, Finance for non-finance, Presentation skills, Microsoft Excel/ Power point training are some of the courses, we regularly conduct and the need for these was recognized as an outcome of above exercise.
- NIET regularly conducts Faculty Development Programmes (FDPs) & Quality Improvement Programmes (QIPs).
- We encourage team presentations and one on one mentoring for specific developmental need. In this case a senior resource adapts the employee and closely works with him/ her and helps them get over the specific weakness.
- NIET motivates its faculty members to attend the conferences by providing monetary support and special study leaves.
- Two in-house journals publicize individual’s efforts/ papers/ achievements in the field of research, this helps inspiring faculty members for research.
- NIET has provision of study leaves for certification and quality improvement.

- NIET provides latest teaching aids to the faculty members to enhance the teaching abilities.
- NIET has created various professional groups of faculty members where they share knowledge.
- To bridge the gap between industry and academia, NIET has signed MOUs with various industries by which faculty members get associated with industry to work on latest tools and techniques.
- NIET conducts computer training classes at regular interval for non-teaching staff to enhance their computer knowledge.
- NIET organizes soft skill classes for non-teaching staff to enhance their interpersonal skills.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

Following steps have been taken by the Institute for the faculty empowerment:

- The faculty members are given autonomy to maintain their academic responsibilities through ERP. They can upload the assignments, tutorial sheets and attendance through ERP. The faculty members can share the knowledge content with their students using cloud technology. They have freedom to plan and schedule their lectures and mode of delivery.
- We invite faculty members to declare their research proposals, this essentially consists of theme, likely outcome/ benefits to society, support required and broad steps/ road map etc. We then support the initiative by getting associated journals, research papers, patent reports and provide financial and logistic support to the concerned employee.
- Continuous involvement right from Strategic Plan and goal setting to development of action plans inculcates a greater sense of ownership and buying in. It results in “Shared vision” and “Shared communication” in which each employee is clear about his/ her specific role and how it fits into “Big Picture”.
- The NIET management empowers its faculty members to attend seminars, conferences, workshops, FDPs, and symposia. During this period, OD and other incentives are provided to the faculty members.
- NIET gives freedom to its faculty members to organize seminars, workshops, conferences and guest lectures on various emerging technologies for the benefit of students. The financial freedom is given to organizing committee for smooth functioning.
- NIET gives freedom to carry out research in laboratories.
- NIET reimburses the membership fees of the professional bodies, societies and associations for faculty members
- Institute has the policy to provide monetary reward for publication in SCI journals

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Institute has a uniform appraisal system for all the departments where roles and deliverables (measurable) are agreed between the head and the employee along with the cultural and developmental need. The individual is asked to self-appraise against these deliverables, which are then discussed with the Head and gaps are communicated. Based on this discussion, Heads submit the feedback of individual faculty member related to his/her contribution in academic, research, administration and personal conduct with respect to the department/college. The Head of department also recommends the increment/promotion of the faculty members on aforesaid basis. Besides, the institute provides timely increments to the faculty members.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

Since appraisal is also an important input for development needs and associated plans, it results in two outcomes:

1. On the basis of the recommendation of heads of departments, the management approves the additional increment and promotion of the faculty members. The management issues the increment budget with four slabs of performance in each grade. Annual increment is disbursed based on the individual's performance against deliverables, which has already been discussed between the employee and his superior. From time to time management benchmarks the salary and incentives with other prominent institutes and takes general corrections if needed, including changes in the government pay scale revisions.
2. Various incentive schemes like casual leave encashment, the best result reward is also given to the faculty members from time to time by the management. The review of the performance of appraisal reports is communicated to the concerned faculty members by the Director/Head of Department through office orders.

Appraisal system is also used to identify the strengths and developmental needs of an employee and a mutually agreed developmental plan including training needs forms the basis of next appraisal.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

NIET has following welfare schemes for teaching and non-teaching staff:

- Dr. Sarojini Agarwal Medical Relief Fund and medical leave
- Tea coupons during examinations
- Subsidised transport and accommodation for its employees

- Financial support to the employees for pursuing higher studies
- Casual leave encashment
- Maternity leave for female staff
- Free education to the wards of teaching and non-teaching staff
- Free medical checkup and medicines
- Subsidized laptop for staff
- Sh. Chandrasen Agarwal Incentive Scheme (Family Trip)
- Provident fund for non-teaching staff members

Almost 100% of the faculty and staff members have got benefit of one or more of the above schemes.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Though financial incentive is an important element for retaining talent, participative management, freedom to work, clear delegation and responsibility and a fear free work culture in which each member of the team aspires to excel and is confident that his/ her good work will not go unrecognized has helped us maintain eminent long serving faculty.

Following measures have further helped us in this endeavor:

- Higher salary is offered to the deserving candidates
- NIET gives salary as per the recommendations of sixth pay commission of India
- NIET gives performance based promotions
- NIET provides financial assistance to its faculty members for research paper presentation
- NIET has provision of special loyalty rewards
- NIET gives out of term promotion to its eminent faculty members for their outstanding performances
- Policies as mentioned in section 6.3.5. are also followed

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

To monitor the effective and efficient use of financial resources the Institute follows a proper mechanism. The budget for financial year including cash flow requirements is prepared based on strategic goals and initiatives by the Heads of Departments. The budget is presented before Board of Governors for approval. The approved budget is disbursed for the tasks. The Institute has well developed accounting processes and statutory internal audit processes in place. All expenditures are pre-approved based on the authority matrix and vetted by internal audit and physical verification mechanism. Apart from this, an annual external audit is done by an approved firm.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The Institute follows following mechanism for internal and external audit:

Internal Audit:

Institute has a team of accountants to audit the expenditures of the departments and the Institute.

External Audit:

Every year an external accountancy firm audits the account of the Institute. Account books are prepared as per the norms. For the financial year of 2014-15, V S Gupta and Company has completed the audit of the Institute in June, 2015.

No objection has been made by the auditing firm till date.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major source of income of the Institute is tuition fee. The college also receives some amount from other sources like hostel fee, bus charge, examination fee, registration fee, grants from AICTE, and interest on FDR. The major expenditure includes salary, maintenance, advertisement, labs and equipment, examination, library, transport facility, etc.

Income and expenditure statement of academic and administrative activities is attached in annexure.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

NIET regularly applies for various funds from DST, AICTE, GoI, etc. for different activities. Previously the Institute received funding for MODROB project. Recently the Institute has been approved as a Training Provider of Telecom Sector Skill Council (TSSC) under National Skill Development Corporation (NSDC), MHRD, Govt. of India. The Institute has also applied for Research Promotion Scheme (RPS). The allocated fund is utilized for the approved scheme on a systematic manner.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

'Yes'. Being an ISO 9001-2008 certified organization; the Institute has a functional Internal Quality Assurance Cell. To ensure the quality practices at every level, the cell has members from every department. The cell looks at idea & issues and proposes changes in policies and procedures aimed at improving quality of education, faculty and infrastructure.

The Institute has a quality policy:

“Our quality policy is to develop highly skilled human resources with the ability to adapt to an intellectually and technologically changing environment with the participative efforts of the management, staff, students and parents”.

Quality assurance processes are institutionalized by scheduled reviews of the objectives of the quality policy by means of analysis, meetings, feedbacks etc. at department as well as institutional level.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

All the decisions taken by IQAC so far have been approved by the management. Some of the decisions recommended and implemented are:

- ISO Certification
- Establishment of Creative Design Cell
- Scheduled lectures on latest technologies
- Establishment of various centers of excellence
- WSDP classes for poor students
- Formation of departmental societies
- Applying for NAAC and NBA

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

‘Yes’, IQAC of NIET has external members in its committee. The external member guided the institution in getting ISO 9001:2008 Certification and other quality improvements.

d. How do students and alumni contribute to the effective functioning of the IQAC?

Various feedbacks from students and alumni help us taking the corrective measures in our existing policies. All feasible suggestions are taken into consideration regularly and are implemented if found worthy: establishment of labs, various training modules, personality development programmes are the result of such suggestions.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

Since IQAC consists of one member from every department, they act as an interface between IQAC and concerned department. Various means are adopted to communicate and engage staff from different constituents of NIET. Additionally, IQAC communicates with stakeholders by means of meetings, circulars and emails through ERP and corrective measures are taken.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalisation.

‘Yes’. The institution has an integrated framework for quality assurance of the academic and administrative activities which is followed by all portfolio holders. It starts with

defining Quality objectives and making them measurable. Having done this, responsibility is assigned to one of the directors/ dean to own one of these objectives. These members regularly report the update accordingly in DAAMM to ensure the implementation of quality polices of the Institute. All Directors, Deans and HoDs etc. are assigned various duties and responsibilities. Evaluation of internal processes is done by external bodies also for the continual improvement as per ISO 9001-2008 guidelines. An internal academic audit of the individual department is done as per the guidelines of quality assurance framework.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

It is our continuous endeavor to make Quality policies and procedures pervasive, because each and every person in the value chain has to contribute and follow the right process to ensure correct deliverable and service level. Hence mandatory training on Quality procedures is provided to each and every employee joining us, also top-up training is provided as and when there are process revisions.

The impact of such trainings is as follows:

- Trainings help in effective deployment of Quality procedures.
- Helps effective tracking of the progress made on Staff development and Faculty development programs.
- It has also improved the teaching-learning process
- It helps in smooth operation of the institution despite of having more than 5000 students and 500 staff members.
- Institute operations are gradually getting driven by set processes and dependence on individual is reducing. There are adequate review and control processes in place.
- As a result senior leadership team is now able to focus on future requirements and effectively plan & execute strategic initiatives.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?

‘Yes’. NIET strictly abides by the rules and regulation of AICTE and AKTU, which itself ensures that all the academic activities are performed in an appropriate manner. NIET designs its own academic calendar semester-wise, which is in synchronisation with AKTU’s calendar and is strictly followed. Additionally, we also perform the academic audit by the internal committee. It is done department-wise by a team of senior faculty members. The team evaluates a department on the basis of lab resources, teaching-learning resources, processes adopted, documentations etc. At the end a report is submitted to the Director, who then informs the concerned Head for suggestive changes, if any, in the department. An academic brainstorming Session “Manthan” is organized to brood over various aspects of teaching-learning process and in what ways they can be improved.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/ regulatory authorities?

AICTE and AKTU are the external regulatory authorities to dictate the terms of quality assurance for the affiliated institutes and colleges. NIET being an affiliated institute abides by the rules of AKTU and AICTE. Annual external audits by these bodies ensure that the internal quality assurance mechanism is aligned with the requirements. Apart from it, the Institute organizes internal verification process to check the functioning of the departments so as to maintain the quality assurance. Being an ISO 9001-2015 certified institute, NIET has internal panel to ensure the quality policy.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- The Director/ Dean Academics/ Associate Deans/ HODs office works to analyse the teaching learning process and review the students' feedback.
- Subject is allocated to the faculty members in their area of specialization and expertise.
- Faculty members prepare and submit the course file containing lecture plan, lecture notes and question bank, tutorial sheets, quizzes etc. before the commencement of the classes.
- Attendance Register containing the students' attendance, performance in tests and syllabus completion status is maintained by each faculty member. The attendance register is reviewed weekly by the Heads of Departments.
- The result of each semester is analyzed to review the performance of teaching-learning.
- Students' participation in co-curricular and extra-curricular activities is also noted to make required changes in teaching learning processes

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The vision, mission and quality policy of the Institute are displayed at the prime locations such as reception, library, seminar halls, offices of heads, canteen etc. Website, prospectus, magazine, newsletters of the college are the source of disseminating our vision and mission to everyone.

Family group meetings, Breakfast and evening tea meetings are also used to brief members about important developments/ changes.

Information regarding quality assurance policies is communicated to the internal stakeholders through circulars and e-mails. The alumni and other external stakeholders are informed through the Institute magazine, Institute website, mails and also through meetings held with them.

Any other relevant information regarding Governance Leadership and Management which the college would like to include.

The institute has developed its own system of governance in the form of DAAMM which is the need of the hour to keep pace with the rapid changes in technology and targeted excellence.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes. The institute follows the guidelines set by Greater Noida Industrial Development Authority to develop a green city. In this regard a proper green belt is maintained within and outside the institute campus. In addition to plantation, the institute also makes its effort to enhance the use of green and clean energy. We also try to reduce down the level of pollutants in the campus by means of suitable parking strategy. Additionally, the buildings are designed to allow maximum sunlight and air circulation. The institute has proper system for waste management. The recyclable solid waste and non-recyclable waste are dumped in separate bins. A sewage treatment plant of capacity 195 KLD is installed for waste treatment. The institute is planning to use renewable sources of energy. Installation of a solar power plant of 300 KVA is under process. A qualified horticulturist is working to maintain the greenery within and outside the campus.

We also closely monitor the electricity and water consumption and run awareness campaigns to reduce/ keep their consumption in check. We also ensure that surplus food from mess is not wasted; instead it is distributed amongst the needy.

NIET is committed to Green policies and promotion of environment consciousness through campaigns for environmental reforms. To keep the staff and students aware NIET, regularly conducts tree plantations and eco-friendly awareness camps.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- * **Energy conservation**
- * **Use of renewable energy**
- * **Water harvesting**
- * **Check dam construction**
- * **Efforts for Carbon neutrality**
- * **Plantation**
- * **Hazardous waste management**
- * **E-waste management**

Energy Conservation

- The buildings are designed to allow maximum sunlight and air circulation.
- The institute has a Green Warrior Club to increase the public awareness about energy crisis and energy conservation.
- The institute propagates energy conservation through placards intimating staff and students to turn off lights and fans whenever not required. Guards also ensure the same.
- The introduction of TQM in campus has encouraged the use of green technologies and motivates the next generation for adopting the green policies.
- Different practices such as poster making competitions, seminars, workshops, marathon campaign, expert talks are also organized. The measures taken to conserve energy are shown in the table below:

S No.	Measures	Action Taken for reduction
1	Lighting	Use of LED lights and promotion of the use of day light saving time hrs.
2	Fan	Use of star-rated electronic gazettes and switching off these gazettes when not in use.
	Cooler	
	AC	
	Water coolers	
	Geysers	
	Deep Freezer	
3	Water Purification	Use of physical methods to remove primary impurities such as adsorption, micro filtration etc. Use of larger units of filters.
4	Food cooking	Use of induction based cooking and solar cooking to reduce consumption of LPG. Use of PNG.
5	Laboratory equipments	Equipments are maintained periodically. User guidelines are strictly followed.
6	Computer labs	Monitors are switched off, display in energy saving mode, proper maintenance and switched off when not in use.
7	Transportation	Promotion of car pool, use of CNG vehicles, preference of big transportation vehicles for mass transfer, well trained drivers.
8	Sports and Fitness equipments	All the measures are followed and well trained staff for the maintenance of equipments.
9	Construction purpose	Use of skilled persons to reduce wastage of energy.
10	Water pumping	Expert supervision is ensured. Automatic ON/OFF Pumping system and star rated pumps are used. Water conservation and recycling techniques are promoted.

Use of Renewable Energy

NIET adheres to the Green Policy and seeks for the alternative eco-friendly resources. The following initiatives have been taken to support it:

- Use of passive and active solar technologies such as lights and equipments
- Infrastructure supporting day light saving time
- Use of PNG supply for in-house activity
- Use of CNG vehicles to maximize the energy conservation
- All new ACs are five-star rated
- Use of ERP for reducing use of paper at workplace

Water Harvesting

We have network of rain water harvesting system, as per the norms of GNIDA, in the campus to ensure recharging of ground water.

Efforts for Carbon Neutrality: We are committed to turn NIET into a holistic green campus. So we are adopting some techniques to reduce the carbon emissions.

- NIET is practicing paper less communication system
- We have attendance automation for students and teachers
- Institute promotes use of e-journal, e-paper and e- news paper
- Guests are greeted with saplings/ flowers, no plastic is used
- Printing done on both sides of paper
- We have CNG vehicles
- Regular inspection of vehicles and generator sets are carried out
- We use PNG for cooking
- The institute has developed compressed air vehicle to reduce the air pollution. The vehicle is in process of commercialization

Plantation

NIET has a large plantation area, where many types of flowers and trees are planted by the students and Green Warriors. They encourage and create awareness among students for plantation. NIET has established botanical garden within the Institute and grows various herbs and shrubs in it.

About 800 trees/plants are growing on NIET campus.

List of plants and trees planted by students, with numbers:

S No.	List of Plants planted by students	No. of Plants (2014)	No. of Plants (2015)	No. of Plants (2016)
1	Champa	32	38	42
2	Mango	10	15	17
3	Neem	7	9	10
4	Amrood	6	10	11
5	Ashoka	15	19	21
6	Kachnar	8	12	13
7	Gudhal	8	16	18
8	Kamer	9	14	15
9	Ficus	6	8	9
10	Cycas	10	15	17
11	Bela	12	17	19

Hazards and e-waste management

The institute does not produce any type of hazardous and radioactive waste. The biological and chemical wastes are disposed properly through incinerator. The electronic gadgets and computers which are discarded for use in the labs are disposed as scrap for safe disposal/ recycling.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

1. **Training:** NIET has a 360⁰ training division named Pyramid Finishing School which focuses on student's employability skill.
2. **ERP:** NIET has an intra-organizational communication system, which collects statistical details of students and faculty members.
3. **TEDX:** NIET organizes TedX talk with an objective to share the enlightened ideas about business & technology.
4. **Incubation Centre:** NIET Technology Business Incubator approved by MSME & Govt. of India Startup is supported by the advisory body consisting of industrialists, venture capitalists, technical specialists and managers. It was established to help entrepreneurs to actualize their dreams. An Intellectual Property Right (IPR) cell has been created to facilitate filing of patents, copyrights and logos.
5. **Extra Classes:** NIET organizes extra classes on a regular basis for weak students.
6. **Microsoft:** The Institute has become the first Microsoft Ed-Vantage Platinum Campus in entire North India.
7. **Cloud Campus:** The institute is a Microsoft cloud campus.
8. **R&D:** The Institute has adopted a policy for giving monetary awards to faculty members for publishing their research papers in SCI indexed journals. This has considerably helped to improve R&D activities.
9. **Green Belt Six Sigma Certification:** The Institute has a tie up with KPMG to provide Six-Sigma Certification Course to the students to provide ample opportunities in their respective fields.
10. **ICICI Direct Academy:** It is a Center for Financial Learning which provides the students expertise in Capital Market.
11. **Workshops, Conferences and FDPs:** The Institute is now rigorously organizing workshops, conferences and faculty development programmes on a regular basis. It also publishes two in-house research journals (JOT & JOM) bi-annually.
12. **Industrial Visits:** The Institute organizes industrial visits related to the discipline and interest of students on a regular basis.
13. **Pearson:** Pearson VUE assesses students' ability through a computer-based examination.
14. **Bio-metric attendance system:** The Institute has bio-metric attendance system to promote paperless office.
15. **ICT enabled classrooms:** All classrooms are equipped with LCD projectors, white boards, Wi-Fi and LAN connectivity for internet, etc.
16. **Virtual Labs:** Participating as nodal center in MHRD-NMICT through IIT, Delhi.
17. **Innovation Labs:** Eight new labs in the areas of 3D Printing, Cloud Computing, Big Data analytics, Embedded Systems, Clinical Research & Bioinformatics, IOT, Apple iOS.
18. **Applied Robotic Control (ARC) Lab:** Indo-German collaborated ARC Lab at institute helps students in transferring hi-end technology in the Automation & Mechatronics sector.
19. **Foreign Language Labs:** Japanese Lab (with Japan foundation) & German enable students in gaining flexibility, communication and foreign language skills, and contributes to their personal and academic development.
20. **International Placement Office at Dubai:** NIET has overseas placement office at Dubai for International placements.

21. **Hostel:** The hostels are made fully Wi-Fi enabled. A well equipped gym for the students is established.
22. **Motivation:** The Institute motivates its students and teachers in following ways:
- Meritorious students get monetary rewards through scholarships
 - Teachers are given laptops by the Institute on EMI
 - Tour package is given to one of the faculty members
 - Monetary rewards for publication in SCI journal
 - 50% reimbursement of membership fees on being the member of any professional body

7.3 Two Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Practice 1

Title of the Practice: Innovative Teaching and Training for overall development

Goal: The aim of this practice is to develop positive environment where students and teachers can share innovative ideas and hone their skills to meet the industrial challenges.

The Context: The Institute offers different graduate and post-graduate programmes in Engineering, Computer Applications and Management studies. The quality of teaching is fundamental requirement for excellence and therefore the Institute opts innovative teaching and training practices for students.

The Practice:

- All classrooms and laboratories are ICT Enabled
- Extra classes on recent trends and technologies
- Project Based Learning (PBL)
- Course materials are available on Microsoft cloud
- The campus and hostels are Wi-Fi enabled
- Cutting edge technology based labs and Virtual Lab
- Multiple choice question based online tests for aptitude building
- DAAMM for feedback and necessary action
- Industrial visits, expert lectures, workshops, seminars, conferences, etc.
- The Institute provides financial assistance to faculty members to attend national and international conferences

Evidence of Success

- a. Continuous improvement in academic results
- b. University merit positions achieved by students
- c. Selection of students in civil services exams, GATE, GPAT, CAT, PSUs, etc.
- d. Excellent placement record through campus selections
- e. Excellent alumni and employer feedback
- f. Under the guidance of faculty members, research scholars have completed their M. Tech. and Ph.D.

Problems Encountered and Resources Required

- NIET being an affiliated institute has to follow the curriculum prescribed by the University. Due to time constraints, topics beyond syllabus cannot be covered in detail as per the needs of the industry.
- Retention of the experienced faculty members
- Decline in inclination towards technical education is a big challenge to get good students

Practice: 2

Title of Practice: Employability and Skills Development

Goal: To develop the most employable and skilled human resources with the ability to adapt to an intellectually and technologically changing environment.

The Context: To groom the students as professionals with technical expertise and professional ethics. As the need of the industry is continuously changing to cope up with the global challenges, they also have an expectation from institutes to provide industry ready manpower. The Institute has to maintain the continuously growing placement record and needs to upgrade the trainings as per industry suggestions.

The Practice

- The Institute has developed PFS as a center of excellence in soft skill trainings
- The Institute has nurtured the placement cell as Career Management Cell (CMC) to complement the requirement of holistic development of the students, not only for on-campus placements but also for other competitive examinations for higher education, research jobs, government sector jobs, etc.
- The Institute has different cells like EDC, IIPC, CDC, IPR cell, TBI, etc.
- The Institute runs various certification programmes through Microsoft Ed-vantage Platinum partnership, Oracle Workforce Development partnership, KPMG, Prometric Test Centre, etc.
- Institute encourages faculty members and students to visit industry.
- Promoting Entrepreneurship.
- Established Faculty Training & Development Cell (FTDC) in the Institute for quality improvement in teaching.

Evidence of Success

- NIET has achieved the highest placement records in the region continuously for last four years
- Technological advancements of students
- Enhancement of employability
- MoUs and tie-ups with industries
- Budding startups in NIET-TBI
- Alumni and employer satisfaction
- TCS has acknowledged PFS of NIET and has suggested other institutes to replicate the model
- Awarded as “Great place to study” at House of Commons, London(UK)
- NIRF, Ministry of HRD, Govt. of India has ranked NIET at 99th position in the country.

- Ranked 1st in Greater Noida and 27th in India as “Best Private Engineering College”, by Times of India
- UPSC awarded NIET as “Best College for Placement” in Uttar Pradesh

Problems Encountered and Resources Required

- To provide training along with university curriculum is tough task due to extensive syllabus, lack of awareness of the students about changing industrial environment and needs, and picking up the right professionals for soft skill development is a herculean task.
- Lack of motivation toward entrepreneurship.
- As far as required resources are concerned, the affiliating university should incorporate training on soft skills, employability skills and entrepreneurial programmes in its curriculum.

3. Evaluative Report of the Department

1. Name of the department : **Computer Science and Engineering**
2. Year of Establishment : **2001**
3. Names of Program/Courses offered (UG, PG, M. Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)

S. No.	Level	Name of the Program	Specialization	Shift	Total Intake	Duration	Full Time/ Part Time
1	UG	B.Tech	Computer Science & Engineering	First	180	4 Years	Full Time
				Second	60		
2	PG	M.Tech	Computer Science & Engineering	First	18	2 years	Full Time

4. Names of Interdisciplinary courses and the departments/units involved

S. No.	Name of Course	Subject Code	DEPARTMENT
1	Engineering Math. I, II & III	RAS 103, RAS 203, NAS 301	Applied Science & Humanities
2	Professional Communications	RAS-104/204	Applied Science & Humanities
3	Engineering Physics I, II	RAS 101, RAS 201	Applied Science & Humanities
4	Elements of Mechanical Engineering	RME 101/201	Mechanical Engineering
5	Basic Electrical Engineering	REE 101/201	Electrical & Electronics Engg.
6	Basic Electronics	REC 101/201	Electronics & Communication
7	Engineering Chemistry	RAS 102/202	Applied Science & Humanities
8	Computer Aided Engineering Graphics	RCE151/251	Civil Engineering
9	Engineering Physics lab	RAS 151, RAS 251	Applied Science & Humanities
10	Engineering Chemistry Lab	RAS 152, RAS 252	Applied Science & Humanities
11	Basic Electrical Engineering Lab	REE151/REE251	Electrical & Electronics Engg.
12	Elements of Mechanical Engg.	RME151/RME251	Mechanical Engineering

	Lab		
13	Professional Communication Lab	RAS154/RAS254	Applied Science & Humanities
14	Workshop Practice	RME152/RME252	Mechanical Engineering
15	Computer Based Numerical and Statistical Techniques	NCS 303	Applied Science & Humanities
16	Industrial Psychology	NHU 301/401	MBA
17	Industrial Sociology	NHU 302/402	MBA
18	Digital Logic Design	NEC 309	Electronics & Communication
19	Human Values & Professional Ethics	AUC 001/002	MBA
20	Engineering Economics	NHU 501	MBA
21	Industrial Management	NHU 601	MBA
22	Non Conventional Energy Resources	NOE-081	Applied Science & Humanities

5. Annual/ semester/ choice based credit system (Programme wise):
Semester/Choice Based Credit System (CBCS)

6. Participation of the department in the courses offered by other departments

S. No.	Subject Code	Subject Name	Department
1	RPH105	Computer Fundamentals	B.Pharm
2	RPH 105P	Computer Fundamentals Project	B.Pharm
3	RCS 101/201	Computer System and Programming in C	IT, EN, ECE, ME, CE, CH
4	RCS-151/251	Computer Programming Lab	IT, EN, ECE, ME, CE, CH
5	NOE-031/ NOE-041	Introduction to Soft Computing	IT, EN, ECE, ME, CE, CH, BT
6	ECS-039	Object Oriented Systems and C++	EN
7	NMBA IT 01	Database Management System	MBA
8	NMBA IT 02	System Analysis & Design	MBA
9	RMB 108	Computer Application & MIS	MBA
10	AUC 001	Human Values	B.Pharm, IT
11	AUC 002	Cyber Security	ME, CE, B.Pharm

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

S. No	Course	Industry	Number of Student benefitted in last three years
1	Microsoft Certified Solution Developers(MCSD), Microsoft Certified	Microsoft Corporation	528

	Solutions Associates(MCSA), Microsoft Technology Associate (MTA) under Microsoft Technology Associate Program		
2	Apple iOS Developer University Program	Apple	63
3	Big Data and Analytics Lab	IOTA CELL, Bengaluru	41
4	Cloud Computing	IOTA CELL, Bengaluru	147
5	Internet of Things Lab using Raspberry Pi	IOTA CELL, Bengaluru	15
6	Mobile Application Development on Android Platform	IOTA CELL, Bengaluru	148

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	48	3
Associate Professors		3
Asst. Professors		43

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt. /Ph.D./M. Phil. etc.,)

S. NO	NAME OF FACULTY	QUALIFICATION	DESIGNATION	SPECIALIZATION	EXPERIENCE	NO. OF M.Tech/Ph.D GUIDED IN LAST 4 YEARS
1	Dr. C. S. Yadav	Ph. D	Professor & Head	Soft Computing and Software Engineering	18 Years	10
2	Dr. Priyanka Chawla	Ph. D	Professor	Cloud Computing, Evolutionary Algorithms and Software Engineering	14.3 Years	10
3	Dr. Deepti Gupta	Ph.D	Associate	Data	7.6 Years	2

			Professor	Mining, Text Analysis		
4	Dr. Mukesh Kumar	Ph.D	Associate Professor	Network Security	12.8 years	4
5	Mr. Vineet Kumar	M. Tech, Ph.D*	Associate Professor	Image Processing	16 years	4
6	Dr. S.K. Bharti	Ph.D	Assistant professor	Computatio nal Neuroscienc e, Image and Video Processing, Pattern Recognition	2.5 years	NIL
7	Mr. R. K. Goel	M.Tech, Ph.D*	Assistant Professor	CSE	11 Years	3
8	Mr. Pradeep Kumar	M.Tech	Assistant Professor	CSE	10 Years	3
9	Mr. Surya Prakash Sharma	M.Tech, Ph.D*	Assistant Professor	CSE	11.9 Years	4
10	Mr. Harshvardhan Mishra	M.Tech	Assistant Professor	CSE	9.10 Years	NIL
11	Mrs. Chitvan Gupta	M.Tech, Ph.D*	Assistant Professor	CSE	11 Years	5
12	Mr. Pankaj Kumar	M.Tech, P.hd*	Assistant Professor	CSE	7.5 Years	8
13	Mr. Sumit Malik	M.Tech	Assistant Professor	CSE	5.8 Years	NIL
14	Mr. Sanjay Kumar Nayak	M.Tech	Assistant Professor	CSE	10 Years	NIL
15	Mr. Veer Bhadra Singh	M.S. (Web Info. Systems)	Assistant Professor	CSE	6 Years	Nil
16	Mr. Nishant Kumar Hind	M.Tech, Ph.D*	Assistant Professor	CSE	8.9 Years	NIL
17	Ms. Dimple Chandra	M.Tech	Assistant Professor	Machine Learning	3.8 Years	NIL
18	Mr. Dharmendra Kr Yadav	M.Tech, Ph.D	Assistant Professor	CSE	6.5 Years	NIL
19	Mr. Vijyant Pawar	M.Tech	Assistant Professor	CSE	4 Years	NIL
20	Mr. Pawan Kumar	M.Tech	Assistant Professor	Data warehousin g	3.5 Years	NIL

21	Mr. Amit Gupta	M.Tech	Assistant Professor	CSE	3.5 Years Teaching, 6 month Industry	NIL
22	Mr. R C Sahoo	M.Tech, Ph.D*	Assistant Professor	CSE	13 Years	NIL
23	Mr. Jaykant Pratap Singh Yadav	M.Tech	Assistant Professor	CSE	12 Years	3
24	Mr. Twinkle Tyagi	M.Tech	Assistant Professor	CSE	1 Years	NIL
25	Ms. Ayushi Jain	M.Tech	Assistant Professor	CSE	1.5 Years	NIL
26	Ms. Mehak Choudhary	M.Tech	Assistant Professor	Cloud Computing	1 Years	NIL
27	Mr. Irphan Ali	M.Tech, Ph.D*	Assistant Professor	Soft Computing	12 Years	NIL
28	Mr. Mayank Deep Khare	M.Tech	Assistant Professor	Information Technology	2 Years	NIL
29	Mr. Amerendra Singh Yadav	M.Tech	Assistant Professor	Information Technology	3 Years	NIL
30	Mr. Rahul Sharma	M.Tech	Assistant Professor	Cloud Latency	2 Years	NIL
31	Ms. Poonam Jain	M.Tech	Assistant Professor	CSE	1.8 Years	NIL
32	Ms. Reena Pawar	M.Tech	Assistant Professor	Cloud Computing	1 Years	NIL
33	Ms. Soni Chaurasia	M.Tech	Assistant Professor	CSE	6 Years	2
34	Ms. Tanu Jindal	M.Tech	Assistant Professor	CSE	7 Years	3
35	Mr. Rajesh Pal	M.Tech	Assistant Professor	CSE	3.5Years	NIL
36	Abdul Mazid	M.Tech	Assistant Professor	CSE	2 Years	NIL
37	Mr. Vivek Kumar Sharma	M.Tech	Assistant Professor	CSE	4.5 Years	NIL
38	Mr. Gaurav Chaudhary	M.Tech	Assistant Professor	CSE	2 Years	2
39	Km. Khushboo	M.Tech	Assistant Professor	CSE	1 Years	NIL

40	Mr. Prateek Sharma	M.Tech	Assistant Professor	CSE	2 Years	NIL
41	Ms. Nisha Verma	M.Tech	Assistant Professor	CSE	4 Years	5
42	Mr. Rohit Chaudhary	M.Tech	Assistant Professor	CSE	3 Years	NIL
43	Ms. Kalpna Dwivedi	M.Tech	Assistant Professor	CSE	4 Years	NIL
44	Mr. Abnish Kumar	M.Tech	Assistant Professor	CSE	8 Years	3
45	Mr. Devottam Gaurav	M.Tech	Assistant Professor	CSE	1 Years	1
46	Mr. Trilok Rawat	M.Tech	Assistant Professor	CSE	9 Years	2
47	Mr. Maneesh Kumar	M.Tech	Assistant Professor	CSE	1.5Years	NIL
48	Ms. Vandana Bharti	M.Tech	Assistant Professor	CSE	2 Years	NIL
49	Dr. Vikas Chaudhary	Ph.D	Professor	CSE	15 Years	NIL

11. List of senior visiting faculty: 10

S.No	Name of Visiting Faculty	Affiliation	Experience
1	Mr. Vikas Aggarwal	TCS	19 years
2	Dr. A. K. Sinha	Dir. UST Technologies, Former Head IT ABES	37 years
3	Mr. Gaurav Gupta	Wipro Technologies	10 years
4	Mr. Amit Chaudhary	Sr. Software Engineer, HCL Technologies, Noida	16 years
5	Mr. Ashutosh Mishra	TechLeads (SW) Fiserve	15 years
6	Mr. Rajesh Saini	Salesforce Techno- functional Consultant	12 years
7	Mr. Amol Kulkarni	Account Manager Persistect System Ltd.	18 years
8	Mr. Kamal Kishor Gupta	Sr. Manager EXL Service Solution Pvt. Ltd.	12 years
9	Mr. Kunal Kaushal	Practive Head Data Analytics NEC Technologies India Ltd.	17 years
10	Mr. Milind Pingale	Sr. Project Manager Presistent System Ltd.	17 years

12. Percentage of lectures delivered and practical classes handled (program wise)
By temporary faculty: **NIL**

13. Student-Teacher Ratio (Program wise):

Course	Ratio
B.Tech	15:01
M.Tech (CSE)	12:01

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

S.No	Staff	Sanctioned	Filled
1	Technical Staff	12	12
2	Administrative Staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.

S. No.	Qualification	Number
1	Ph.D.	06
2	M.Tech.	43
3	B.Tech.	NIL

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **NIL**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**

18. Research Centre/ facility recognized by the University:

S.No.	Research Centre	Details
1.	Microsoft Innovation Center by Microsoft Corporation	State of art lab where students & faculty have access to all Microsoft labraries & software for application development

S.No	Name of Facility	Recognition
1.	Nodal Centre for Virtual Lab	IIT Delhi
2.	Spoken Tutorial	IIT Bombay
3.	Pre-Ph.D. Course Work	AKTU, Lucknow
4.	miBEAT Lab	CARDEA LABS
5.	Cloud Computing Lab	Amazon Web Services and EMC Corporation
6.	Mobile Application Development Lab	NIET, Gr. Noida
7.	Big Data & Analytics Lab	
8.	Internet of Things (IoT) Lab	
9.	Apple iOS Development Lab	Apple University Program

19. Publications:

No. of Publication	Citation	SNIP	SJR	Impact Factor	h-Index	Books/ Monographs
49	89	-	-	67.77	6	2

20. Areas of consultancy and income generated: The details of consultancy are as follows:

Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)
1. Department of CSE	Thomson Prometric	Online Examination System	898323.00
2. Prof. Vineet Verma	Skydev Software Solution Providing Pvt Ltd	Cloud Computing	15000.00
3. Deptt. Of CSE	Sangal Paper Ltd	Implementation Planning of ERP Software	60000.00
4. Deptt. Of CSE	Sangal Paper Ltd	Optimization of WiFi Hotspots	5000000
5. Deptt. Of CSE	Sangal Paper Ltd	Implementation of Firewall	30000.00

21. Faculty as members in

S. No	Name of Faculty	Member in	National/International/Editorial Board Professional Bodies
1	Dr. Chandra Shekar Yadav	ISTE	National
		Red Cross Society	National
		CSI	National
		IET, Image Processing Review Committee	International
		BOG, NIET	National
		NIET Journal of Engineering and Technologies	National
		BOS, CS/IT/MCA syllabi for session 2007-2012,UPTU,	National

		Lucknow	
2	Dr. Priyanka Chawla	ISTE	National
		ACM	International
		International Journal of Electronic Design and Test	Editorial Board
		IIRC – Research Community	Editorial Board
		Technical Program Committee Member of SCESM 2017	Technical Program Committee
		Technical Program Committee Member of SCESM 2016	Technical Program Committee
		Technical Program Committee Member of INDIACOM 2017	Technical Program Committee
		National Research Journal of Information Technology & Computer Science	Editorial Board
		National Research Journal of Computer Networking Technology.	Editorial Board
		Journal of Computer Science, Science Publications, USA	Review Committee
		FGCS, Elsevier	Review Committee
		IJSEKE, Springer	Review Committee
		International Journal of Swarm Intelligence, Inderscience Publications.	Review Committee
3	Dr. Deepti Gupta	Society of Digital Information and Wireless Communications (SDIWC)	National
4	Dr. S.K. Bharti	International Journal of Telemedicine and Clinical Practices, Inderscience Publications	Review Committee
5	Mr. Nishant Kumar Hind	CSI	National
6	Mr. Pradeep Kumar	IEI	National
7	Ms. Dimple Chandra	ACM	International
8	Mr. Abnish Kumar	ISTE	National
9	Mr. Vivek Kumar Sharma	The IRED institute of research engineers and doctors	National
10	Ms. Kalpana Dwivedi	ACM	International
11	Mr. Jay Kant Pratap	IAENG	National

	Singh Yadav	UACEE	National
12	Mr. Devottam Gaurav	ISTE	National

22. Student projects

Level (UG)	Projects					
	In-house			Industry		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
Intake	120	240	240	120	240	240
Percentage	100	100	100	10	15	25

23. (a) Awards/ Recognitions received by faculty

S. No	Name of Faculty	Designation	Name of Award	Year	Agency
1	Dr. C. S. Yadav	Professor	Sikshak Sammaan by Honorable Minister Dr. Mahesh Sharma	2016	Rashtriya Shekshik Mahasangh(RS M)
			Best Faculty Award	2014 2013	NIET, Gr. Noida
			Appreciation letter for taking minimum leaves	2013	NIET, Gr. Noida
			Appreciation letter for organizing national Conference on Emerging Technologies in Computer Science	2012	NIET, Gr. Noida
			High impact teaching skill	2009	Dale Carnegie Training, ISO 9001 Certified
2	Dr. Priyanka Chawla	Professor	Appreciation certificate for delivering special talk on “Evolutionary Computation and Machine Learning” during AKTU sponsored FDP MLTA 2016.	2016	ITS, Greater Noida

			Session Chair of International Conference SCESM 2016	2016	SN Education Society, India and URGCEE, USA
			Received Appreciation certificate for organizing FDP on “Soft Computing Methodologies”	2015	I.T. S Engineering College, Greater Noida
			Appreciation certificate for organizing Workshops on “C++ and UNIX” in coordination with at JRE Group of Institutions, Greater Noida.	2014	Spoken Tutorials, IIT Bombay
			Received Certificate for successfully completion of training on “Cloud Computing and Aneka Platform”	2013	Manjrasoft, USA
			Appreciation certificate for organizing International Conference Confluence 2012 at ASET, AUUP.	2012	Amity University, Uttar Pradesh
			Got Certification by BSI on “Environmental Management System” (ISO 14001:2004)	2012	BSI
			Certification from for passing the course on “HTML5 and CSS”	2012	Google
			Appreciation certificate for organizing National Conference NCACT 2011 at ASET, AUUP	2011	Amity University, Uttar Pradesh

			Cloud Computing: Best Poster award in International Conference, ICDL	2010	TERI
			EMC Certified on “Information Storage and Management”	2010	EMC
			Appreciation certificate for organizing International IT Summit “Confluence 2010” at ASET, AUUP	2010	Amity University, Uttar Pradesh
3	Mr. R. K. Goel	Assistant Professor	UGC NET	2012	UGC NET
4	Dr. Deepti Guta	Associate Professor	M.Tech Gold medalist	2005	SATI,RGPB Bhopal
5	Dr. S.K. Bharti	RGNF-(JRF and SRF), UGC	RGNF-(JRF and SRF) UGC NET	2008 2010	UGC NET
6	Mr. Dharmender Kumar yadav	Assistant Professor	Sikshak Sammaan by Honorable Minister Dr. Mahesh Sharma	2016	Rashtriya Shekshik Mahasangh (RSM)
7	Mr. Pradeep Kumar	Assistant Professor	Best Faculty Award	2013	NIET, Gr. Noida
			UGC NET	2012	UGC NET
8	Mr. Harsh Vardan Mishra	Assistant Professor	Best Faculty Award	2013	NIET, Gr. Noida
9	Mr. Surya Prakash Sharma	Assistant Professor	UGC NET	2012	UGC NET
10	Mr. Sumit Malik	Assistant Professor	UGC NET	2014	UGC NET
			Best Faculty Award	2013	NIET, Gr. Noida
11	Mr. Sanjay Kumar Nayak	Assistant Professor	Best Faculty Award	2012	NIET, Gr. Noida
12	Mr. Nishant Kumar Hind	Assistant Professor	UGC NET	2012	UGC
13	Ms. Dimple Chandra	Assistant Professor	100% Result excellence award for 2 years	2014	PDM, Bahadurgarh

			Cyber Law Certification	2012	Indian Law Institute, Delhi
			Awarded By Mahindra All India Talent Scholarship	2007	Mahindra
14	Mr. Vijyant Pawar	Assistant Professor	98 Percentile in GATE	2012	GATE
15	Mr. R C Sahoo	Assistant Professor	Best faculty awards	2014	NIET, Gr. Noida
			UGC-NET	2012	UGC
			GATE	2012	GATE
16	Mayank Deep Khare	Assistant Professor	Best Paper Award in an international conference ICACEA-2015	2015	ICACEA
17	Ms. Kalpana Dwivedi	Assistant Professor	Best research poster presentation award in Confluence 2014	2014	Amity University, Noida
			Certificate of achievement letter for Fault Management System	2014	Tata Teleservices limited, Noida
			Certificates for outstanding performance in teaching	2010 2009 2008	GLA Univ. Mathura
18	Mr. Amrendra Singh Yadav	Assistant Professor	Simulation Using Netsim software	2015	DELLSOFT Technologies Pvt. Ltd.
			Having a Certificate of Appreciation letter for the Work shop of Research Methodology	2015	Sagar Inst. of Tech. and Management Barabanki.
			Certified System Security Professional	2014	NIELIT (formerly DOAECC).
			Certified System Security Professional Auditor •	2014	NIELIT (formerly DOAECC).
			GATE with 94%	2012	GATE

(b) Awards Recognitions received by students

S. No	Name of Student	Name of Award	Year	Agency
1	Paritosh Vatsal Tripathi and Hitesh Goel (Alumni)	TOP 9 in Microsoft Imagine Cup 2015 "Innovation Category" from all over India	2016	Microsoft
2	Paritosh Vatsal Tripathi (Alumni)	Awarded with MSME funding	2016	MSME
4	Devender Chandra (CSE 3 rd Year)	Won Best Paper award in "Student's Paper Presentation Activity"	2016	NIET, Gr. Noida
5	Nawal Kishore (CSE 3 rd Year)	Won Second Best Paper award in "Student's Paper Presentation Activity"	2016	NIET, Gr. Noida
7	Raushan Kumar (CSE 2 nd Year)	Won Third Best Paper award in "Student's Paper Presentation Activity"	2016	NIET, Gr. Noida
8	Vishal Chahal (CSE 4th Year)	Testimony (Coding competition)	2016	TCS
9	Lakhan Sharma (CSE 4th Year)	Testimony (Coding competition)	2016	TCS
10	Sateesh Pandey (CSE 4th Year)	Codevita (Coding competition)	2016	TCS
11	Shubham Pokriyal (CSE 4th Year)	Codevita (Coding competition)	2016	TCS
12	Sudhanshu Rai (CSE 2nd Year)	Dr. Sarojini Agarwal Award	2016	NIET, Gr. Noida
13	Sateesh Pandey (CSE 3rd Year)	Dr. Sarojini Agarwal Award	2016	NIET, Gr. Noida
14	Akhil Gupta (CSE 2nd Year)	Dr. Sarojini Agarwal Award	2015	NIET, Gr. Noida
15	Sateesh Pandey (CSE 3rd Year)	Dr. Sarojini Agarwal Award	2015	NIET, Gr. Noida
16	Risabh Jain (Alumni)	Testimony (Coding competition)	2015	TCS
17	Shubham Singh (Alumni)	Testimony (Coding competition)	2015	TCS
18	Shubhankit Porwal (Alumni)	Codevita , Code Geeks (Coding competition)	2015	TCS
19	Yash Raheja (Alumni)	Codevita , Code Geeks (Coding competition)	2015	TCS
20	Devendra Kumar (Alumni)	Codevita , Code Shark (Coding competition)	2015	TCS
21	Nitin Arya (Alumni)	Dr. O. P Agarwal Award	2014	NIET, Gr. Noida

22	Priyanshi Rastogi (Alumni)	Dr. Sarojini Agarwal Award	2014	NIET, Gr. Noida
23	Bahrat Kausik (Alumni)	Dr. Sarojini Agarwal Award	2014	NIET, Gr. Noida
24	Bhavna (Alumni)	Academic excellence award	2013	NIET, Gr. Noida

24. List of eminent academicians and scientists/ visitors to the department:

S. No	Name of Academicians/Scientists/ Visitor	Affiliation	Purpose	Year
1	Mr. Narendra Chandel	Regional Head, TCS	Expert Lecture	2016
2	Mr. Anuvrat Parashar	Software Engineer, Zopper	Workshop	2016
3	Mr. Panigarhi	Director of MSME	Seminar	2016
4	Mr. Rajit Sikka	Academic Relationship Manager North India TCS	Seminar	2016
5	Ms. Anubha	Assistant Manager, TCS	TCS Connect Session	2016
6	Mr. Pankaj Bhardwaj	SAS Consultant, TCS	Emerging Technologies	2016
7	Ms. Savita	Okhlama University	Seminar on Global Education	2016
8	Mr. Jasmeet and Mr. Rohan	Regional Manager, Aspiring Mind	Seminar	2016
9	Mr. Deepak Jindal	DGM, HCL	Seminar	2016
10	Capt. Ajay Sharma	Captain, Indian Navy	Seminar	2016
11	Ms. Madhu	Barclays HR	Career to Cooperate	2016
12	Mr. Mukul Singhal(IAS)	Principal Secretary, Technical Education Government of U.P.	Placement Felicitation Program	2016
13	Mr. Naveen Gabrani	CEO, Astrea, Noida	Seminar	2015
14	Mr. Sameer Rastogi,	CEO , India Juris ,New Delhi	Workshop	2015
15	Mr. Bhairab Patra,Mr. and Mr. Gurudutt Sharma,	Project Engineers of Virtual Labs at IIT Delhi	Workshop	2015
16	Mr. Kanan Krishnan	Amazon Regional Business Head, Delhi	Workshop	2015
17	Mr. Suraj Mohan Vishvkarma	Technical Architect, Dell	Workshop	2015
18	Dr. B S Rajput	Ex. V C, Kumaun	Seminar on	2015

		University	Quantum Computing	
19	Dr Meng Chow Kang	Director, Information Security, Cisco	Addressing Cyber Security	2015
20	Mr. Vishal Gupta	Engineer, Samsung (R & D)	Corporate Expectations from Fresher's	2015
21	Mr. Raju Jain	Sr. Software Engineer, Nagarro softwares , Gurgaon	Expert Lecture	2014
22	Mr. H N Hoda	Director BVICAM and Chairmen CSI Division II	Seminar	2014
23	Mr. Vishal Gupta	Engineer, Samsung (R & D)	Corporate Expectations from Fresher's	2014
24	Shri. T.K.A.Nair	IAS (Advisor, P.M. of India)	National Seminar	2013
25	Dr. Bharat Bhargava	Department of Computer Science, Purude University, Indiana, USA	End to end security and privacy in distributed system and cloud computing	2012
26	Dr. Manohar Lal	Ex. Director, School of Computer & Information Science, IGNOU	Advances in Artificial Intelligence	2012

25. Seminars/ Conferences/ Workshops organized & the source of funding

S. No	Seminar / Conference /Workshop	National/ International	Date	Funded by
1.	Seminar on "Entrepreneurship & IPR Awareness Program"	National	01-02-2016	Funded by NIET, Gr. Noida
	Seminar on "Quantum Computing"	National	14-02-2015	
	Seminar on "Digitization & Opportunities for Professionals"	National	06-12-2014	Funded by CSI and NIET, Gr. Noida
	Seminar on "Need of Entrepreneurial Revolution in emerging technologies in Current Global Scenario"	National	16-11-2013	
	National level Student Symposium "TECHNOVISION 2K12"	National	21-10-2012	Funded by NIET, Gr. Noida
	International Conference on "Advances in Computational Techniques and Research	International (Upcoming)	03-02-2017-04-02-2017	CSI, ISTE and NIET Gr. Noida

2.	Practices”			
	National Conference on “Emerging Technology in Computer Science” (ETCS-2012)	National	21-10-2012-22-10-2012	Funded by NIET, Gr. Noida
3.	Workshop on “Virtual Reality”	National	07-11-2016	Mozilla Club, NIET, Gr. Noida
	Digishop workshop on “Android, .Net, PHP and Bigdata”	National	09-09-2016	Funded by NIET, Gr. Noida
	Workshop on “Python 101”	National	30-08-2016	
	Techknack’2016 By Mozilla Firefox Club	National	26-02-2016	
	Workshop on “Amazon Web Services”	National	17-11-2015	
	TechSense’2015 by Mozilla Firefox Club	National	17-10-2015	
	Workshop on “Virtual Labs”	National	15-09-2015	Funded by IIT Delhi (An initiative of MHRD, India)
	Workshop on “Intellectual Property Rights”	National	25-07-2015	Funded by NIET, Gr. Noida
	Workshop on “Bootstrap”	National	20-02-2015	
	Workshop on “Automation Testing”	National	15-04-2014	
	Two days workshop on “Computer fundamentals”	National	23-05-2014-24-05-2014	
	Workshop on “Unix/ Linux operating System”	National	18-08-2013	
	Workshop on “Tools for Testing the Quality of Software”	National	12-10-2013	
	Two days workshop “ NS 2”	National	20-10-2012-21-10-2012	
Two days workshop on “Simulation Software and Tools”	National	01-06-2012-02-06-2012		

26. Student profile programme/course wise:

Name of the Course/ programme (refer question no. 4)	Batch/year	Applications received	Selected	Enrolled		Pass %
				*M	*F	
B.TECH	2016-2017	By AKTU Lucknow (Formerly UPTU, Lucknow)	249	207	42	-
	2015-2016		252	207	45	-
	2014-2015		247	201	46	-
	2013-2014		241	182	59	-
M.Tech (CSE)	2016		1	1	NIL	-
	2015		21	9	12	-
	2014		15	6	9	-
	2013		18	8	10	-
M.Tech (Software Engineering)	2015		2	0	2	-
	2014		9	4	5	-
	2013		18	10	8	-
	2012		16	10	6	-

27. Diversity of Students

Name of the Course		% of students from the same state	% of students from other States	% of students from abroad
B.Tech	2016	80.4	19.6	0
	2015	68.18	31.81	
	2014	76.60	23.40	
	2013	78.42	21.58	
M.Tech (CSE)	2016	100	0	0
	2015	50	50	
	2014	100	0	
	2013	100	0	
M.Tech (SE)	2015	0	0	0
	2014	100	0	
	2013	100	0	
	2012	100	0	

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.No	Year	Exam Qualified	No. of Students Qualified
1	2016	FATE	01
2	2015	GATE	01
3	2014	GATE	09

29. Student progression

Student progression	Against % enrolled 2015-16	Against % enrolled 2014-15	Against % enrolled 2013-14
UG to PG	01 in number	01 in number	08 in number
PG to M.Phil.	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL
Placement	110%	101%	72%
Entrepreneurship/Self-employment	1%	1%	1%

30. Details of Infrastructural facilities

a) **Library:**

Central Library has 1464 Titles, 6849 Volume of books
Department also has its own library having more than 105 books

b) **Internet facilities for staff and students**

Internet facility is provided to all staff members and students through campus Wi-Fi, Reliance Jio hotspot and a leased line of 110 Mbps.

c) **Total number of class rooms**

B.Tech. – 15 class rooms with multimedia projector in each class room.

d) **Class rooms with ICT facility**

1. Dept. seminar hall equipped with audio & visual facility.
2. All student class rooms have provision of multimedia projector facility.

e) **Students' laboratories**

Number of Labs: 2 H/W Labs and 6 Computer Labs

Labs for Odd Semester

S.No.	Lab
1	Digital Logic Design Lab
2	Data Structures Using C Lab
3	Numerical Techniques Lab
4	Advance Programming Lab
5	Design & Analysis Algorithm Lab
6	Database Management System Lab

7	Principle Of Programming Language Lab
8	Web Technology Lab
9	Distributed System Lab
10	Digital Image Processing lab
11	Project Lab

Labs for Even Semester

S. No.	Lab
1	Computer Programming lab
2	Operating System Lab
3	Computer Graphics lab
4	Microprocessor Lab
5	Functional Logic Programming Lab
6	Artificial Intelligence Lab
7	Computer Networks Lab
8	Software Engineering Lab
9	Compiler Design Lab
10	Project Lab

All labs are CCTV covered and equipped with Air conditioners, Multimedia Projectors and white marker boards.

31. Number of student receiving financial assistance from college, university, Government or other agencies:

S. No	Agency College/University/ Government	No. of Students		
		2013-14	2014-15	2015-16
1.	Social Welfare Department, Govt. of UP.	177	224	237
2.	Financial Assistance by NIET	-	2	-

32. Details on student enrichment Programmes (special lecture/ workshop/ Seminar) with external expert:

S.No	Enrichment Programme	Special Lecture/ Workshop /Seminar / Conference	Date
1	Special Lecture	Expert lecture on “General HR Skills and Prospectives” under Town Hall by Mr. Narendra Chandel, Head, Talent Acquisition North India, TCS	09-06-2016
2		Expert Lecture on “.Net Technology” by Mr. Raju Jain, Team Leader, Nagaro Software , Gurgaon	07-10-2014
3		Expert Lecture on “Parallel Algorithms” by	15-11-2014

		Mr. Lalit Mohan Goyal, Asstt. Prof. CSE Deptt., N.I.E.T., Gr.Noida	
4		Expert lecture on “Adhoc Network” by Dr. Prashant Singh, Professor CSE Deptt. NIET, Gr.Noida	25-04-2014
5		Expert lecture on “Blade Logic” by Mr. Sumit Jha, Team Leader, Orange Software, Gurgaon	11-03-2014
6		Expert Lecture on “Advances in Artificial Intelligence” by Prof.(Dr.) Manohar Lal, Ex. Dir. School of Computer and Information Sciences, IGNOU, New Delhi	19-03-2012
7		Expert Lecture on “End to End Security and Privacy in Distributed System and Cloud” by Prof.(Dr.) Bharat Bhargava , Dept. of Computer Science, Indiana, USA	15-02-2012
1	Workshop	Workshop on “Virtual Reality”	07-11-2016
2		Digishop workshop on “Android, .Net, PHP and Bigdata”	09-09-2016
3		Workshop on “Python 101”	30-08-2016
4		Techknack’2016 by Mozilla Firefox Club	26-02-2016
5		Workshop on Amazon Web Services	17-11-2015
6		TechSense 2015by Mozilla Firefox Club	17-10-2015
7		Workshop on “Virtual Labs”	15-9-2015
8		Workshop on “Intellectual Property Rights”	25-7-2015
9		Workshop on “Bootstrap”	20-02-2015
10		Workshop on “Automation Testing”	15-04-2014
11		Two days Workshop on “Computer fundamentals”	23-05-2014-24-05-2014
12		Workshop on “Unix/ Linux Operating System”	18-08-2013
13		Workshop on “Tools for Testing the Quality of Software”	12-10-2013
14		Two days workshop on “ NS 2”	20-10-2012-21-10-2012
15		Workshop on “Simulation Software and Tools”	01-06-2012-02-06-2012
1	Seminar	Seminars on “Entrepreneurship & IPR Awareness Program”	01-02-2016
2		Seminar on “Quantum Computing”	14-02-2015
3		Seminar on “Digitization & Opportunities for Professionals”	06-12-2014
4		Seminar on “Need of Entrepreneurial	16-11-2013

		Revolution in emerging technologies in Current Global Scenario”	
5		National level Student Symposium “TECHNOVISION 2K12”	21-10-2012
1	Conference	International Conference on “Advances in Computational Techniques and Research Practices”	03-02-2017-04-02-2017
2		National Conference on “Emerging Technology in Computer Science” (ETCS-2012)	21-10-2012-22-10-2012

33. Teaching methods adopted to improve student learning:

Campus Wide Quality Improvement Programme (CWQIP)

1. Use of LCD Projectors to show videos and PPTs.
2. MOOCs (Massive Open Online Courses) is used
3. Use of NPTEL lectures
4. Practical Based Learning (PBL)
5. Students academic advisory committee (SAAC)
6. Project based Learning
7. CDC activities

Total Students Development Programme (TSDP)

Different activities are organized under this programme

1. Guest/Expert Lectures
2. Workshop/ Conferences
3. Skill development programmers
4. Training in Industry supported labs
5. Training on Aptitude and HR Skills
6. Technical Quiz /Competition
7. Mentor-Mentee policy

Weak Student Development Programme (WSDP)

1. Special Classes are organized for the Weak students
2. Extra Classes are organized for the Weak students
3. Peer adoption policy

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

1. The Rainbow School

The Rainbow School provides education to the children of the construction workers in the vicinity. Apart from academics these children are also imparted vocational training. NIET provides Free Education, Books & Stationery, Uniform & Mid-day Meals to needy people of our society.

2. Self Defense Training

To prepare girl students of NIET, to fight against crimes, a course focusing on the holistic development and training, in collaboration with NGO Aseem Nari Shakti is undertaken that teaches them various tactics of self defense.

3. Tree plantation

The primary purpose of this activity is to imbibe in the staff and students, the importance of a green and healthy surrounding in a rapidly growing concrete jungle.

4. Project Swabhiman

NIET has become Academic Partner of Project Swabhiman: Employability & Entrepreneurship Development through skilling by SHIKHAR organization for social development. It focuses on enhancing the employability skills of youth by imparting education, life skills and vocational training.

5. Adoption of a Village

NIET adopted village Navada and familiarized villagers to technology, a tribute to Dr APJ Abdul Kalam on his birthday.

6. Swachh NIET Abhiyan

The green gold society of NIET has organized a swachh NIET abhiyan on 1st October 2016 in the concept of Swachh Bharat Abhiyan. During this event faculty and students took initiative regarding cleanliness and its maintenance in the campus and nearby places.

7. Holistic Activity

A talk on “Technical Education in the Light of Universal Values” organized by the Sahaj Yog group in the Institute

8. Healthy Living

- TCS Fit4life - Campus Challenge: NIET organized “TCS Fit4life Campus Challenge” in association with TCS. TCS Fit4life Campus Challenge was a 5KM marathon where more than 3000 students across the engineering colleges in Delhi/NCR along with faculty members and TCS employees participated.

35. Strengths Weaknesses Opportunities Challenges (SWOC) analysis of the department and Future plans:

Strength:

1. Experienced Intellectual Capital
2. Cutting edge Laboratories
3. Industry Aligned Training Program
4. High Placement Percentage
5. Support by NIET Technology Business Incubator
6. Memberships of Professional bodies
7. Student Chapters for IEEE, CSI and ISTE

Weaknesses:

1. Communication skills among rural based students
2. Conventional university curriculum
3. Student interaction at international level
4. Industry exposure and interaction
5. Sponsored research project from Govt. agencies

Opportunities:

1. Student and faculty exchange programs with foreign universities
2. Promotion of interdisciplinary research activities
3. Revenue generation from training on Cutting Edge Technologies
4. Conversion of innovative ideas of researchers/students to commercialized products
5. To be part of Digital India
6. Product Development and Commercialization of student idea through NIET Technology Business Incubator

Challenges:

1. Automation of IT Industry
2. Technology change adaptation and upgradation of Intellectual Capital
3. Increasing number of private universities

Future Plan:

1. NBA Accreditation for the department
2. Establishment of Centre of Excellence for Augmented Reality and Virtual Reality
3. Centre of excellence for Big Data & Analysis

3. Evaluative Report of the Department

1. Name of the department: **Information Technology**
2. Year of Establishment: **2001**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):

S. No.	Level	Name of the Programme	Specialization	Shift	Total Intake	Duration	Fulltime / Part-time
1	UG	B.Tech	Information Technology	1st	120	4 Years	Fulltime

4. Names of Interdisciplinary courses and the departments/units involved:

S.No.	Name of Course	Subject Code	DEPARTMENT
1	Engineering Mathematics I, II & III	RAS 103, RAS 203, NAS 301/ 401	Applied Science & Humanities
2	Professional Communications	RAS-104/204	Applied Science & Humanities
3	Engineering Physics I, II	RAS 101, RAS 201	Applied Science & Humanities
4	Elements of Mechanical Engineering	RME 101/201	Mechanical Engineering
5	Basic Electrical Engineering	REE 101/201	Electrical & Electronics Engineering
6	Basic Electronics	REC 101/201	Electronics & Communication Engineering
7	Engineering Chemistry	RAS 102/202	Applied Science & Humanities
8	Computer Aided Engineering Graphics	RCE151/251	Civil Engineering
9	Engineering Physics Lab	RAS 151, RAS 251	Applied Science & Humanities
10	Engineering Chemistry Lab	RAS 152, RAS 252	Applied Science & Humanities
11	Basic Electrical Engineering Lab	REE151/REE251	Electrical & Electronics Engineering
12	Elements of Mechanical Engineering Lab	RME151/RME251	Mechanical Engineering

13	Professional Communication Lab	RAS154/RAS254	Applied Science & Humanities
14	Workshop Practice	RME152/RME252	Mechanical Engineering
15	Computer Based Numerical and Statistical Techniques	NCS 303	Applied Science & Humanities
16	Information Theory & Coding	NEC 408	Electronics & Communication Engineering
17	Industrial Psychology	NHU 301/401	MBA
18	Industrial Sociology	NHU 302/402	MBA
19	Digital Logic Design	NEC 309	Electronics & Communication Engineering
20	Human Values & Professional Ethics	AUC 001/002	MBA
21	Engineering Economics	NHU 501	MBA
22	Industrial Management	NHU 601	MBA
23	Non Conventional Energy Resources	NOE-081	Applied Science & Humanities

5. Annual/ semester/choice based credit system (Program wise):

Semester (Choice Based Credit System –CBCS)

6. Participation of the department in the courses offered by other departments: **Yes**

S. No	Name of Interdisciplinary Course	Subject Code	Name of the Department
1	Computer System & Programming	RCS-101/ RCS-201	Electronics & Communication Engineering, Electrical & Electronics Engineering, Chemical Engineering
2	Computer Fundamentals	RPH-105	B. Pharmacy
3	Computer Fundamentals Lab	RPH-105P	B. Pharmacy
3	Computer Programming Lab	RCS-151/ RCS-251	Electronics & Communication Engineering, Electrical & Electronics Engineering, Chemical Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

S.No.	Name of Course	Name of Industry	Number of Students benefitted in last three years
1	Big Data Analytics Lab	IOTA Cell, Bengaluru	13

2	Cloud Computing	IOTA Cell, Bengaluru & EMC ²	15
3	Internet of Things using Raspberry Pi	IOTA Cell, Bengaluru	8
4	Mobile Applications Development on Android Platform	IOTA Cell, Bengaluru	53

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	24	01
Associate Professors		00
Asst. Professors		18

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Exp	No. of Ph.D./ M.Tech Students guided for the last 4 years
1	Dr. Somesh Kumar	Ph.D	Professor	Soft Computing, Artificial Intelligence	16	Ph.D – 04 (Guiding) M.Tech – 06 (Completed)
2	Mr. Nagesh Sharma	M.Tech(CS)	Assistant Professor (Selection Grade)	Image Processing, Data Structures & Algorithm, Automata,	12	M.Tech- 01 (Completed)
3	Mr. Sachin Kumar	M.Tech	Assistant Professor (Selection Grade)	Soft Computing, Artificial Intelligence, Data Structures & Algorithm,	08	--
4	Ms. Isha Mittal	M.Tech	Assistant Professor	Object Oriented Programming System with Java	8	--
5	Ms. Priya Chaudhary	M.Tech	Assistant Professor	Software Engineering, Database	6.5	--

				Management System		
6	Mr. Vikrant Malik	M.Tech	Assistant Professor	Data Structures, Software Engineering, Graph theory, E-Commerce	7.5	--
7	Mr. Pitamber Adhikari	M.Tech	Assistant Professor	Discrete Structures, Software Engineering, Compression	7.5	--
8	Mr. Ram Kumar Sharma	M.Tech	Assistant Professor	Operating System, Software Testing, JAVA, C, Database Management System	6	--
9	Mr. Bhupendra Kumar	M. Tech	Assistant Professor	Operations Research, Algorithm, Computer Graphics, Data Structures, Database Management System	6	--
10	Mr. Amar Pal Yadav	M.Tech	Assistant Professor	ERP, Information Security	5.4	--
11	Ms. Shruti Bhardwaj	M.Tech	Assistant Professor	Soft Computing, Computer Network, Operating System, Software Engineering	3	--
12	Ms. Ritu Diwan	M.Tech	Assistant Professor	Logic Design, Software Engineering	3	-
13	Ms. Himali Chopra	M.Tech	Assistant Professor	Adhoc Network, Software Engineering	5	-
14	Mr. Abdul Khalid	M.Tech	Assistant Professor	Web Technology	6	--

15	Mr. Manu Sharma	M.Tech	Assistant Professor	Adhoc Network	6	--
16	Mr. Gaurav Kumar	M.Tech	Assistant Professor	Web Technology	5	---
17	Mr. Yadavendra Yadav	Ph.d*	Assistant Professor	Logic Design, Networks	6	--
18	Mr. Prashant Tomar	M. Tech	Assistant Professor	C-Programming, Java, Data Structures	5	--
19	Mr. Mohit Kumar	M.Tech	Assistant Professor	Programming Languages, Database Management System	6	---

*Ph.D pursuing

11. List of senior visiting/ adjunct faculty: **05**

S.No.	Name of Visiting Faculty	Affiliation	Experience (years)
1	Mr. Manas Ranjan Pradhan	BCH Electric Ltd, Faridabad	13
2	Dr. Sandeep Kumar	Centre (BARC)	20
3	Mr. Sanjeev Agrawal	BCH Electric Ltd, Faridabad	13
4	Mr. Rajanigandha Patra	HCL Technologies Ltd, Noida	10
5	Mr. Rajbhar	Simson Softwares Pvt. Ltd	16

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student -Teacher Ratio (programme wise)

B.Tech (IT): 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sanctioned : 05
Filled : 05

S.No.	Nature of Staff	Sanctioned	Filled
1	Technical Staff	4	4
2	Administrative Staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

S.No.	Highest Qualification	Number of Faculties
1	PhD	1
2	M. Tech	18

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Nil

18. Research Centre /facility recognized by the University:

S.No.	Research Centre	Details
	NIL	

S.No.	Name of Facility	Recognition given by university
1	Virtual Labs	IIT Delhi
2	Microsoft Innovation Center	Microsoft Corporation
3	Cloud Computing Research & Training Lab	Amazon Web Services
4	Mobile Application Development on Android Platform	In House
5	Big Data & Analytics Innovation Lab	
6	Internet of Things (IoT) using Raspberry Pi	
7	iOS Development Center	Apple University Program

19. Publications:

No. of Publication	Citation Index	SNIP	SJR	Impact Factor	h- Index	Books / Monograph
44	53			3.11	3	2

20. Areas of consultancy and income generated:

S.No.	Area of Consultancy	Income Generated
NIL		

21. Faculty as members in:

S.No.	Name of Faculty	Member in	National/ International/ Editor Board/ Professional Body
1	Dr. Somesh Kumar	Computer Society of India, Indian Society for Technical Education	National
2		International Association of Engineers	International
3		Institute of Research And Doctors	International
4	Mr. Bhupender Kumar	International Association of Engineers	International
5		Institute of Research And Doctors	International
6	Mr. Ram Kumar Sharma	International Association of Engineers	International
7		Institute of Research And Doctors	International
8	Mr. Amarpal Yadav	International Association of Engineers	International
9		Institute of Research And Doctors	International
10	Mr. Gaurav Kumar	International Association of Engineers	International
11	Ms. Shruti Bhardwaj	Institute of Research And Doctors	International

Members in Reviewer Committees:

SL.NO	Name of the Faculty	Professional Body
1	Dr. Somesh Kumar	International Journal of Computer Applications, Published by Foundation of Computer Science, USA.
		Computers and Mathematics with Applications, Elsevier
		Neural Computing and Applications, Springer
		Journal of Computational Science, Elsevier
		Fourth Global Conference on Power Control and Optimization (PCO-2010), Malaysia.
		Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (For Ph.d. Thesis).
		Jodhpur National University, Jodhpur (For Ph. D. Thesis)

22. Student projects

Course	Percentage of Students who have done Projects					
	In House			Industry		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
B. Tech	100 %	100%	100%	30%	35%	10%

23. Awards / Recognitions received by faculty and students:

a) Awards / Recognitions received by faculty

- Many of the faculty members have actively participated in various national, international conferences. Their research works are published in various national & international journals.
- Our Faculty is awarded with cash prize for producing results (from 95% to 100%) in end semester examination. The following data shows the details of faculty achievements for the past 4 years.

S. No.	Name of Faculty/ Students	Name of Award	Year	Agency
1	Dr Somesh Kumar	Best Faculty Award	2014	NIET, Greater Noida

		Shikshak Samman	2016	Rashtriya Shaikshik Mahasangh, Uttar Pradesh
2	Mr. Nagesh Sharma	Best Faculty Award	2014	NIET, Greater Noida
		NET	2012	UGC
		GATE	2007, 2009, 2012, 2013 & 2016	GATE
3	Mr. Sachin Kumar	NET	2012	UGC
		GATE	2012	GATE
4	Mr. Vikrant Mallik	Best Faculty Award	2013	NIET, Greater Noida
5	Mr. Bhupendra Kumar	GATE	2009, 2010, 2012 & 2016	GATE
6	Mr. Ram Kumar Sharma	Best Faculty Award	2013	NIET, Greater Noida
7	Mr. Amar Pal Yadav	Best Faculty Award	2013, 2014	NIET, Greater Noida

(b) Awards/ Recognitions received by students

- Many of the students have participated in various technical events; national conferences held at various engineering colleges and won prizes.
- Students got cash awards from the Institution for holding top ten position at university level and top three position at college level:
 - Rank within top 10 in University : Rs. 50,000/-
 - Year wise college topper : Rs. 25,000/-
 - First Year topper (All branch) : Rs. 25,000/-
 - Branch wise topper : Rs. 10,000/-

Student Award List for Academic Performance

Sl. No.	Batch	Year / Semester	Name of the Student	Award	Rupees
1	2013-2014	2 ND Year	Deepika Verma	Dr. Sarojini Agarwal Award	Rs. 10,000/-
2		3 RD Year	Sandhya Shree	Dr. Sarojini Agarwal Award	Rs. 10,000/-

3		4 TH Year	Devansh	Dr. Sarojini Agarwal Award	Rs. 10,000/-
4	2014-2015	2 ND Year	Vikrant Singh	Dr. Sarojini Agarwal Award	Rs. 10,000/-
5		3 RD Year	Deepika Verma	Dr. Sarojini Agarwal Award	Rs. 10,000/-
6		4 TH Year	Sandhya Shree	Dr. Sarojini Agarwal Award	Rs. 10,000/-
7	2015-2016	2 ND Year	Kanchan Verma	Dr. Sarojini Agarwal Award	Rs. 10,000/-
8		3 RD Year	Vikrant Singh	Dr. Sarojini Agarwal Award	Rs. 10,000/-
9		4 TH Year	Prateek Kapoor	Dr. Sarojini Agarwal Award	Rs. 10,000/-

Students Award List for Extra-curricular Activities:

Extra-Curricular/Co-Curricular Activities 2013-14				
S. No.	Roll No.	Name	Activity	Organizer
1	1213313010	Aishwarya Ranjan	Rock The Floor	IEC, Greater Noida
2	1213313011	Akanksha Singh	Symposium,Rangoli	NIET, Greater Noida
3	1213313029	Awatansh Kumar	Robowar	NIET, Greater Noida
4	1213313042	Kanika Rai	Volley Ball	NIET, Greater Noida
5	1213313055	Pooja Gupta	Group Dance	GLBITM, Greater Noida
6	1213313057	Pooja Thapa	Robomaze, Vollet Ball, Tech Fest	NIET, Greater Noida
7	1213313059	Prateek Kapoor	Nukad Natak	JRE Group of Institution, Greater Noida
8	1213313080	Shivanshi Singh	200 Meter Race	NIET, Greater Noida

Extra Curricular/Co-Curricular Activities 2014-15

S.N	Roll No.	Name	Activity	Organization
1	1213313006	Aditi Saigal	Quiz,Quiz	NIET, Greater Noida

2	1213313010	Aishwarya Ranjan	Group Dance	UPTU, Lucknow
3	1213313011	Akanksha Singh	Tug Of War, Basic Track, Ad-Mad, Glei, Debate	NIET, IIT Bombay, UPTU, NIET, Greater Noida
4	1213313014	Akshay Agarwal	C++,	NIIT, Greater Noida
5	1213313020	Anjali Dwivedi	Illustrate	NIET, Greater Noida
6	1213313025	Apoorwa Jayswal	Illustrate	NIET, Greater Noida
7	1213313029	Awatansh Kumar	Hurdle Mania, Robo Race, Robo Race, Tech Fest, Fusion, Robotics	IIT BHU, NIET, GNIT, NIU, GNIOT, AIMT, Greater Noida
8	1213313034	Deepika Verma	Quiz	UPTU, Greater Noida
9	1213313042	Kanika Rai	Programming In Core Java	ICMT, Greater Noida
10	1213313057	Pooja Thapa	Dance, Group Dance	UPTU, GLBIM, Greater Noida
11	1213313059	Prateek Kapoor	Rannbhoom, Anchoring, Debate	AMITY University, NIET, Greater Noida
12	1213313063	Puneet Tayal	Mta, Cloud Computing, Quiz	IOTA Cell, UPTU, Greater Noida
13	1213313081	Shreya Sharma	Solo Singing, Relay, Artiface	UPTU, NIET, Greater Noida
14	1213313090	Sonam Arya	Basketball, Poster Making, Lemon & Spoon Race, Tug Of War	NIET, Greater Noida
15	1213313097	Vaishali Pandey	Quiz	UPTU, Lucknow
16	1213313313	Shashi	Relay	NIET, Greater Noida
17	1213313090	Sonam Arya	Mehdi, Rangoli, Painting, Kho-Kho	Sharda University, HIMT, Greater Noida
18	1213313005	Achint Malhotra	Treasure Hunt	UPTU, Lucknow

Extra Curricular/Co-Curricular Activities 2015-16

S. N.	Roll No.	Name	Activity	Organization
1	1213313010	Aishwarya Ranjan	Spardha, Dance	IBA, UGI, Greater Noida
2	1213313022	Ankur Rai	Robo-Rash	NIU, Greater Noida

3	1213313029	Awatansh Kumar	Dirt Robo Race Battle field robowar, Counter Strike, Eluding Strear, Robo Soccer, Star Quest, Tech Trishna, Robo Canon Ball, Robo Race, Terrain Tracker	NIET,AKGEC,NI U,GU
4	1213313042	Kanika Rai	Kabbadi, Kho-Kho	HIMT, Greater Noida
5	1213313045	Mayank Choudhary	Quiz	UPTU, NIET , Greater Noida
6	1213313057	Pooja Thapa	Spardha, Dance	IBA,UGI, Greater Noida
7	1213313059	Prateek Kapoor	Em 2k15	SRM Delhi NCR Campus
8	1213313080	Shivanshi Singh	Greener Challenge, Solo Singing, Relay, Artiface, Kabbadi	HIMT, Greater Noida
9	1213313313	Shashi	Kabbadi, Kho Kho, Roar,Cloud Computing	HIMT,IIT Bombay, IOTA Cell, Greater Noida
10	1413313054	Prachi	Vollyball Tournament(Girl)	NIET, Greater Noida
11	1413313054	Prachi	Vollyball Tournament	NIET, Greater Noida
12	1413313094	Snehil	Basketball	Sharda University, Greater Noida
13	1413313094	Snehil	Basketball	IIMT, Greater Noida
14	1413313053	Poornima Chaudhary	100 Meter Race	GLBITM, Greater Noida
15	1413313053	Poornima Chaudhary	Vollyball	JRE, Greater Noida
16	1413313053	Poornima Chaudhary	Vollyball Tournament(Girl)	NIET, Greater Noida
17	1413313053	Poornima Chaudhary	Vollyball	NIET, Greater Noida
18	1413313067	Rishabh Srivastava	Niet Firefox Club	NIET, Greater Noida
19	1413313067	Rishabh Srivastava	N.F.S.	NIET, Greater Noida
20	1413313067	Rishabh Srivastava	Pressure Hunt	NIET, Greater Noida

21	1413313061	Priya Sharma	Niet Firefox Club	NIET, Greater Noida
22	1413313061	Priya Sharma	Vollyball Tournament(Girl)	NIET, Greater Noida
23	1413313061	Priya Sharma	Vollyball	JRE, Greater Noida
24	1413313061	Priya Sharma	Vollyball Tournament	NIET, Greater Noida
25	1413313052	Piyush Goyal	Ojas (Group Dance)	NIET, Greater Noida
26	1413313038	Mayank Agrawal	Computer Geek	NIET, Greater Noida

24. List of eminent academicians and scientists/visitors to the department:

S. No.	Name of Academic/Scientist/Visitor	Affiliation	Purpose	Year
1	Mr. Narendra Chandel	Regional Head Talent Acquisition North India, TCS	NIET-Town Hall	9 th Jun 2016
2	Mr. Mukul Singhal (IAS)	Principal Secretary, Technical Education Government of U.P.	Placement Felicitation Program	15 th May 2016
3	Mr. Pankaj Bhardwaj	Technical Consultant, TCS	Emerging Technologies	24 th Feb 2016
4	Dr. Meng Chow Kang	Director of Information Security, CISCO	Addressing Cyber Security Challenges: Cisco's Approach Before, During and After an Attack	7 th Oct 2015
5	Dr. B S Rajput	Ex. V C Kumaun University	Quantum Computing	14 th Feb 2015
6	Mr. Vishal Gupta	Technical Manager, Samsung (R&D)	Corporate Expectations from Fresher's	27 th Sept 2014
7	Shri. T.K.A. Nair	Ex. Advisor to P.M. of India	National Seminar on Skill India	7 th & 8 th Jan 2013
8	Shri S S Mantha	Chairman AICTE		
9	Prof. Ved Prakash	Chairman UGC		
10	Dr. Bharat Bhargava	Department of Computer Science,	End to end security and	15 th Feb 2012

		Purude University, Indiana, USA	privacy in distributed system and cloud computing	
11	Dr. Manohar Lal	Ex. Director, School of Computer & Information Science, IGNOU	Advances in Artificial Intelligence	19 th Mar 2012

25. Seminars/Conferences/Workshops organized & the source of funding

S. No.	Seminar/Conference/Workshop	National/ International	Date	Funding Agency
1	Workshop on Virtuality	National	7 th Nov 2016	Mozilla firefox
2	Workshop on Open Source Technologies	National	28 th Aug 2016 to 2 nd Sep 2016	NITTTTR, Chandigarh
3	Digishop Workshop on Android	National	9 th Sep 2016	NIET, Greater Noida
4	Python 101 Workshop	National	30 th Aug 2016	NIET, Greater Noida
5	Workshop on Virtual Labs	National	15 th Sep 2015	IIT, Delhi
6	Faculty development program on “Intellectual Property Rights”	National	25 th Jul 2015	NIET, Greater Noida
7	Seminar on “Entrepreneurship & IPR Awareness Program”	National	25 th Jul 2015	MSME, New Delhi
8	Digitization opportunities for professionals and organizations	National	6 th Dec 2014	CSI, Noida
9	Conference on “Emerging Technologies in Computer Science”	National	20 th Oct to 21 st Oct 2012	NIET, Greater Noida

26. Student profile programme/ course wise:

	Name of Course/ Programme	Applications received for admission*	Selected	Enrolled		Pass Percentage
				M	F	
UG	Session 2016-2017	By AKTU Lucknow (formerly UPTU Lucknow)	121	92	29	---
	Session 2015-2016		105	68	37	---
	Session 2014-2015		92	63	29	---
	Session 2013-2014		110	79	31	---

*

Applications are received by the affiliating University for admission and the number of applications is not known for specific department/ Institute.

27. Diversity of Students

Name of Course/ Programme		% of Students from same state	% of Students from other states	% of Student from abroad
UG	Session 2015-2016	65.35	34.65	NIL
	Session 2014-2015	60.60	39.40	NIL
	Session 2013-2014	62.90	37.10	NIL

28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations:

S. No.	Year (session)	Exam Qualified (NET/GATE/Civil Services/ Defence Services/GMAT)	No. of Students Qualified
1	2011-2015	CAT	02
2	2010-2014	GATE	10
3	2009-2013	GATE	06

29. Student progression

Student progression	Against % enrolled		
	2015-16	2014-15	2013-14
UG to PG	1%	1%	-
PG to M.Phil	NA	NA	NA
PG to Ph.D	-	-	-
Ph.D to Post-Doctoral	NA	NA	NA
Employed			
1. Campus selection	89	86	73
2. Other than campus recruitment	10	12	10
Entrepreneurship/ Self- employment	-	-	-

30. Details of infrastructural facilities

b) Library:

Central Library has 733 Titles, 4577 Volume of books
Department also has its own library having more than 100 books

b) Internet facilities for staff and students

Internet facility is provided to all Staff members and students through Campus wifi, Reliance Jio hotspot & leased line of 110 Mbps.

c) Total number of class rooms

B.Tech. – 6 class rooms with multimedia projectors.

d) Class rooms with ICT facility

1. Dept. seminar hall equipped with audio & visual facility.
2. All student class rooms have provision of multimedia projector facility.

e) Students' laboratories

Number of Labs: 11 in odd semester
10 in even semester.

LABs for ODD Semester

S.No.	Lab Code	Description of Labs
1	RCS-151	Computer Programming
2	NEC-359	Logic Design Lab
3	NCS-351	Data Structures Using C Lab
4	NCS-353	Numerical Techniques Lab
5	NCS-355	Advance Programming Lab
6	NCS-551	Design & Analysis Algorithm Lab
7	NCS-552	Database Management System Lab
8	NCS-553	Principle of Programming Language Lab
9	NCS-554	Web Technology Lab
10	NIT-751	Cryptography & Network Security Lab
11	NCS-752	Project

LABs for EVEN Semester

S.No.	Lab Code	Description of Labs
1	NCS-451	Operating System Lab
2	NIT-451	Multimedia & Animation Lab
3	NCS-455	Functional & Logical Programming
4	NIT-456	Colloquium
5	NCS-651	Computer Networks Lab
6	NCS-652	Software Engineering Lab
7	NCS-653	Compiler Design Lab
8	NIT-654	Seminar
9	EIT-851	Distributed System Lab
10	EIT-852	Project Lab

All labs are CCTV covered and equipped with air conditioners, multimedia projectors and white marker boards.

31. Number of students receiving financial assistance from college, university, government or other agencies

S. No.	Agency Collage/ University/Government	No. of Students		
		2013-14	2014-15	2015-16
1	Social Welfare Department	50	79	65
2	Financial Assistance (By NIET)	4	6	3

32. Details on student enrichment programs (special lectures / workshops /seminar) with external experts

Special Lecture	Workshop	Seminar	Conference	Expert Lecture
20	10	6	2	12

33. Teaching methods adopted to improve student learning
Various activities and programmes are organized

Campus Wide Quality Improvement Program (CWQIP)

- Use of Multimedia Projectors
- Practical Based Learning
- Creative Design Cell (CDC) Activities
- ICT based learning is practiced
- Faculty members carry their Course Files to the classroom and maintain student attendance and topics covered in their registers and also on the ERP (www.nietcampus.com) provided by the Institute
- Regular assignments are distributed and tests are conducted by the faculty members

Total Students Development Program (TSDP)

- Guest/Experts Lectures
- Workshop/Conference
- Training in Industry supported labs
- Training on aptitude and HR skills
- Technical Quiz/Competitions
- Industrial visit/Industrial Training
- Mentor-Mentee
- Paper presentation Activities by students
- Massive Open Online Courses (MOOCs) access to Khan academy and NPTEL Lectures
- Online remote classes of Niche Technology through GOTO meeting platform.

Weak Students Development Program (WSDP)

- Extra classes are organized for weak students
- Peer Adoption
- Remedial classes

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

1. **The Rainbow School**

The Rainbow School provides education to the children of the construction workers in the vicinity. The school runs in the Institute's premises. Apart from academics these children are also imparted vocational training. At present, there are around fifty students in the age group of three to eleven years and the number keeps growing with time.

2. **Self Defense Training**

To prepare girl students of all departments of NIET, to fight against crimes, a course focusing on the holistic development and training, in collaboration with NGO Aseem Nari Shakti is undertaken that teaches them various tactics of self defense.

3. **Tree plantation**

The primary purpose of this activity is to imbibe in the staff and students, the importance of a green and healthy surrounding in a rapidly growing concrete jungle. Through this venture, the students of the IT department hope to foster a sense of team spirit.

4. **Project Swabhiman**

NIET has become Academic Partner of Project Swabhiman: Employability & Entrepreneurship Development through skilling by SHIKHAR organization for social development. It focuses on enhancing the employability skills of youth by imparting education, life skills and vocational training.

5. **Adoption of a Village**

NIET adopted village Navada and familiarized villagers to technology, a tribute to Dr APJ Abdul Kalam on his birthday.

6. **Swachh NIET Abhiyan**

The green gold society of NIET has organized a swaccha NIET abhiyan on 1st October 2016 in the concept of Swachh Bharat Abhiyan. During this event faculty and students took initiative regarding cleanliness and its maintenance in the campus and near by places.

7. **Holistic Activity**

A talk on "Technical Education in the Light of Universal Values" organized by the Sahaj Yog group in the Institute. The staff and students of department were benefited by this lecture.

8. **Healthy Living**

- TCS Fit4life - Campus Challenge: NIET organized "TCS Fit4life Campus Challenge" in association with TCS. TCS Fit4life Campus Challenge was a 5KM marathon where more than 3000 students across the engineering colleges in Delhi/NCR along with faculty members and TCS employees participated. Out of 6 prizes were won by students of NIET.

35. Strengths Weaknesses Opportunities Challenges (SWOC) analysis of the department and Future plans.

Strength:

- Experienced Intellectual Capital
- Cutting edge technologies
- Industry Aligned Training Program
- High Placement Percentage
- Support by NIET Technology Business Incubator on startups
- Memberships of Technical bodies

Weaknesses:

- Communication skills among rural based students
- Conventional University curriculum
- International student interaction
- Extension programs

Opportunities:

- Scope for new PG Program for IT
- Student and faculty exchange programs with foreign universities.
- Promotion of interdisciplinary research activities
- Revenue generation from Training on Cutting Edge Technologies
- Innovative ideas which in turn can be converted to commercialized product

Challenges

- Automation of IT Industry
- Technology change adaptation and up gradation of Intellectual Capital
- Increasing number of private universities

Future Plan:

- NBA Accreditation for the department
- Centre of excellence for Big Data & Analysis

3. Evaluative Report of the Department

1. Name of the department: **Electronics & Communication Engineering**
2. Year of Establishment: **2001**
3. Names of Programmes/ Courses offered:

S. No.	Level	Name of the Program	Specialization	Shift	Intake	Duration	Fulltime/Part-time
1	UG	B.Tech.	ECE	First	180	4 Years	Fulltime
2	UG	B.Tech	ECE	Second	60	4 Years	Fulltime
3	PG	M.Tech.	VLSI Design	First	18	2 Years	Fulltime
4	PG	M.Tech.	Telecommunication Engineering	First	18	2 Years	Fulltime

4. Names of Interdisciplinary courses and the departments/units involved:

S. No.	Interdisciplinary Courses	Subject Code	Departments
1.	Cyber Security	AUC 002	CSE
2.	Data Structure & Algorithm	NEC 401	CSE
3.	Industrial Sociology	NHU 302	MBA
4.	Industrial Psychology	NHU 301	MBA
5.	Engineering & Managerial Economics	NHU 501	MBA
6.	Industrial Management	NHU 601	MBA
7.	Human Values & Professional Ethics	AUC 001	MBA
8.	Mathematics	NAS 301	Applied Science
9.	Technical Writing	RAS 154	Applied Science
10.	Soft Computing	NOE 031	CSE
11.	Engineering Mathematics	RAS 103	Applied Science
12.	Engineering Physics	RAS 103	Applied Science
13.	Engineering Chemistry	RAS 102	Applied Science
14.	Basic Electrical Engineering	REE 101	EN
15.	Elements of Mechanical Engineering	RME 101	ME
16.	Professional Communication	RAS 104	Applied Science
17.	Computer System and Programming in C	RCS 10	CSE

5. Annual/ semester/ choice based credit system (programme wise): **Semester (CBCS)**
6. Participation of the department in the courses offered by other departments:

S. No.	Subject	Subject Code	Department
1	Electronics Engineering	REC 101/102	EN, CS, IT, ME, CH, CE, BT
2	Non-Conventional Energy	NOE 081	CE

	Resources		
3	Switching Theory and Logic Design	NEC 304	CSE, IT
4	Analog & Digital Communication.	NEC 702	EN
5	Analog Integrated Electronics	EEC 509	EN
6	Digital Signal Processing	NEC 011	EN
7	Microprocessors	NEC 504	EN
8	Electrical Measurements and Measuring Instruments	NEE 302	CH,EN
9	Human Values and Professional Ethics	AUC 001	CH

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S. No.	Course	Industry	Number Of Students (last three years)
1	Applied Robotics Control	European Centre of Mechatronics, Vaalser Str. 460, 52074 AACHEN, Germany	7
2	Microsoft Certification	Microsoft	47
3	Japanese's Language Training	JAPAN Foundation	24
4	Big Data and Analytics	IOTA Cell, Bengaluru	27
5	Cloud Computing Eligibility	IOTA Cell, Bengaluru	34
6	Embedded System & VLSI design	IOTA Cell, Bengaluru	538
7	Internet of Things using Raspberry Pi	IOTA Cell, Bengaluru	36
8	Mobile Applications Development on Android Platform	IOTA Cell, Bengaluru	74

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts

	Sanctioned	Filled
Professors	49	3
Associate Professors		2
Assistant Professors		41

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ Ph.D./ M.Phil.etc.,)

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of M.Tech/ Ph.D. guided in last 4 years
1.	Dr. Satyendra Sharma	Ph.D,	Professor	Wireless Communication	35	9
2.	Dr. V.K.Pandey	Ph.D	Professor	Microwave Engineering	25	12
3.	Dr. Sandeep Kumar	Ph.D	Professor	Telecommunication	20	NIL
4.	Dr. Vineet Shekhar	Ph.D	Associate Professor	Control System	18	NIL
5.	Dr. Laxman Singh	Ph.D	Associate Professor	Image Processing	13	NIL
6.	Dr. Surya Deo Choudhary	Ph.D	Assistant Professor	Microwave Engineering	5.5	NIL
7.	Rajan Singh	M.Tech, B.Tech	Assistant Professor	VLSI Design	15	2
8.	Anshuman Singh	M.Tech, B.Tech	Assistant Professor	VLSI Design	14	3
9.	Nidhi Sharma	M.Tech, B.Tech	Assistant Professor	VLSI Design	14.5	3
10	Sarabjeet Kaur	M.Tech, B.Tech	Assistant Professor	Communication Engineering	6.5	NIL
11	Sonia Gupta	M.Tech, B.Tech	Assistant Professor	Telecommunication	8	NIL
12	Prabhakar Agarwal	M.Tech, BE	Assistant Professor	Telecommunication	7.5	2
13	Kanika Jindal	M.Tech, B.Tech	Assistant Professor	VLSI Design	6	3
14	Gitanjali Anand (on Leave)	M.Tech, B.Tech	Assistant Professor	Electronic Design & Technology	4	NIL

15	Ashutosh Kumar Singh	M.Tech, B.Tech	Assistant Professor	VLSI Design	7	NIL
16	Shiv Kumar Gahlot	M.Tech, B.Tech	Assistant Professor	Signal Processing	2.5	NIL
17	Amit Yadav	M.Tech, B.Tech	Assistant Professor	VLSI Design	5.8	NIL
18	Devendra Pratap Singh	M.Tech, B.Tech	Assistant Professor	Telecommunication	5.8	NIL
19	Jitendra Saroj	M.Tech, B.Tech	Assistant Professor	VLSI Design	4.5	NIL
20	Kamal Bhatia	M.Tech, B.Tech	Assistant Professor	VLSI Design	2	NIL
21	Dhanajay Singh	M.Tech, B.Tech	Assistant Professor	Telecommunication	5	NIL
22	Md Raza	M.Tech, B.Tech	Assistant Professor	VLSI Design	5	NIL
23	Priya Rajput	M.Tech, B.Tech	Assistant Professor	Communication Engineering	1	NIL
24	Vinay Kumar	M.Tech, B.Tech	Assistant Professor	Communication Engineering	1	NIL
25	Meenakshi Sharma	M.Tech, B.Tech	Assistant Professor	Instrumentation Engineering	3.5	NIL
26	Md Sajid	M.Tech, B.Tech	Assistant Professor	Communication Engineering	1	NIL
27	Sushil Kumar	M.Tech, B.Tech	Assistant Professor	VLSI Design	10	NIL
28	Ragini Shukla	M.Tech, B.Tech	Assistant Professor	Communication Engineering	7.5	NIL
29	Vidhi Sachdeva	M.Tech, B.Tech	Assistant Professor	Communication Engineering	2	NIL
30	Jigyasa Singh	M.Tech, B.Tech	Assistant Professor	VLSI Design	1	NIL
31	Sakshi Parolia	M.Tech, B.Tech	Assistant Professor	VLSI Design	1	NIL
32	Khyati Khandpal	M.Tech, B.Tech	Assistant Professor	VLSI Design	3.5	NIL

33	Himanshu Yadav	M.Tech, B.Tech	Assistant Professor	Communication Engineering	1	NIL
34	Saurabh Katiyar	M.Tech, B.Tech	Assistant Professor	Communication Engineering	1	NIL
35	Dolypona Das	M.Tech, B.Tech	Assistant Professor	Instrumentation & Control Engineering	1	NIL
36	Manish Kumar	M.Tech, B.Tech	Assistant Professor	VLSI Design	2.5	NIL
37	Monika Singh	M.Tech, B.Tech	Assistant Professor	Communication Engineering	4	NIL
38	Richa Barnwal	M.Tech, B.Tech	Assistant Professor	VLSI Design	1	NIL
39	Priyanka Verma	M.Tech, B.Tech	Assistant Professor	VLSI Design	3	NIL
40	Nishu Bisnoi	M.Tech, B.Tech	Assistant Professor	Communication Engineering	1.5	NIL
41	Ausaf H. Tarique	M.Tech, B.Tech	Assistant Professor	Communication Engineering	3.5	NIL
42	Ravi Pandey	M.Tech, B.Tech	Assistant Professor	Communication Engineering	1	NIL
43	Hari Mohan Gaur (on leave)	M.Tech	Assistant Professor	VLSI Design	8	NIL
44	Anju Ashok	M.Tech, B.Tech	Assistant Professor	Communication Engineering	01	NIL
45	Sweta Agarwal (ML)	M.Tech	Assistant Professor	VLSI Design	2.5	NIL
46	Yogesh Verma (SL)	M.Tech	Assistant Professor	VLSI Design	6	NIL

11. List of senior visiting faculty:

S. No.	Name of Visiting Faculty	Affiliation	Experience (in yrs)
1	Prateek Chaturvedi	DRDO-Delhi	12
2	Atendra Mishra	Spice Retails, Noida	12
3	Arvind Kaushik	NXP Semiconductor, Noida	16
4	Sandeep Bhatnagar	Delsoft Tech., New Delhi	15
5	Abhishek Gupta	ALTTC Ghaziabad	12
6	Bharat Bhushan	LG Electronics- Gr. noida	11

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student–Teacher Ratio (programme wise): **UG-15:1, PG-12:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.:

S. No.	Staff	Sanctioned	Filled
1	Technical Staff	08	06
2	Administrative Staff	02	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

S. No.	Qualification	Number
1	Ph.D.	6
2	M.Tech.	40
3	B.Tech.	NIL

16. Number of faculty with ongoing projects from **a) National** **b) International** funding agencies and grants received:

S. No.	Project Ongoing	Funding Agency	National/ International	Grant
1	Cluster Manger and BSS Support Engineer (ID-20056: date-22/06/2015)	NSDC (TSSC); Govt. of India	National	Rs. 10k per student will be received

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**

18. Research Centre /facility recognized by the University: **Yes**

S. No.	Research Center	Details
1	AKTU Lucknow	AKTU/VCO/Cir/20167798 dated 14 Oct. 2016
2	Pre Ph.D. coursework, AKTU	Ph.d/15/PHY/1997/6013 dated 23 Apr 2016

Name of Facility	Recognition given by university
Virtual Lab	IIT Delhi under MHRD

19. Publications:

No. of Publications Journals Conference	Citation Index	SNIP	SJR	Impact Factor	H index	Books/ Monographs
183	174	-	-	14.6	8	-

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

S. No.	Name of Faculty	Member in
1	Dr. Satyendra Sharma	Technical Advisory Committee, Wipro
2	Dr. Satyendra Sharma	Reviewer Springer
3	Dr. V.K. Pandey	Editorial Board (NIET Journal of Engineering and Technology)
4	Dr. Satyendra Sharma,	Editorial Board (NIET Journal of Engineering and Technology)
5	Dr. Suryadev Chaudhary	Editorial Board (NIET Journal of Engineering and Technology)
6	Dr. Laxman Singh	Editorial Board (NIET Journal of Engineering and Technology)

22. Student projects

Level (UG/PG)	Projects					
	In House			Industry		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
UG	93%	95%	95%	7%	5%	5%
PG	75%	75%	75%	25%	25%	25%

* Five projects of department are selected by Anveshana (under Govt. Scheme) in NCR region (Oct. 2016).

* GPS tracker, a project designed by second year student is approved by Delhi Government for developing a working prototype (Oct. 2016).

23. Awards / Recognitions received by faculty and students:

S. No.	Name of Faculty	Name of Award	Year	Agency
1	Dr. Satyendra Sharma	High Impact Teaching Skills	2009	Wipro
2	Dr. Satyendra Sharma	Rs 12000 for research paper	2014	NIET
3	Dr. Satyendra Sharma	Certified Trainer	2015	NSDC-TSSC, Govt. of India

4	Dr. Satyendra Sharma	Honored by National Teacher Association	2016	National Teacher Association, Lucknow, U.P.
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S. No.	Name of Student	Name of Award	Year	Agency
1	Priya Agarwal	Dr. Sarojini Agarwal Award	2014	NIET, Greater Noida
2	Amit Gupta	Dr. Sarojini Agarwal Award	2015	NIET, Greater Noida
3	Umang Agarwal	Dr. Sarojini Agarwal Award	2015	NIET, Greater Noida
4	Kumari Nidhi	Dr. Sarojini Agarwal Award	2015	NIET, Greater Noida
5	Nandini Tyagi	Spell Bee	2014	IIT Guwahati
6	Aman Srivastava and group	CDC award	2015	NIET, Greater Noida
7	Saurabh Shukla and group	CDC award	2016	NIET, Greater Noida
8	Ajay Pratap Singh	Dr. Sarojini Agarwal Award	2016	NIET, Greater Noida
9	Vandita Srivastava	Dr. Sarojini Agarwal Award	2016	NIET, Greater Noida
10	Abhishek Kumar	Dr. Sarojini Agarwal Award	2016	NIET, Greater Noida

24. List of eminent academicians and scientists / visitors to the department:

S. No	Name of Academician/ Scientist/ Visitor	Affiliation	Purpose	Year
1	Dr. Avinash Kumar (GBPU Pantnagar)	GBPU Pantnagar	Expert talk	2013
2	Dr. S D Joshi (IIT Delhi))	IIT Delhi	FDP	2013
3	Dr. Brahmjit Singh(NIT Kurukshetra)	NIT Kurukshetra	FDP	2014
4	Dr. Satyakesh Dubey	NPL-New Delhi	Conference	2014
5	Mr. Bhairav Chandra (IIT Delhi)	IIT Delhi	Workshop	2014

6	Dr. A.K. Singh	NIT Kurukshetra	FDP	2014
7	Dr. Sanjeev Gupta	3ST Technology-Noida	Expert talk	2015
8	Mr. Abhishek Gupta	BSNL, ALTTC-Ghaziabad	Expert talk	2015
9	Mr. Vishal Gupta,	Samsung Noida	Expert talk	2015
10	Mr. Rajat Sikka	TCS, New Delhi	Expert talk	2015
9	Dr. Sanjeev Gupta	3ST Technology-Noida	Expert talk	2016
12	Mr. Abhishek Gupta	BSNL, ALTTC-Ghaziabad	Expert talk	2016
13	Ms. Narmada Sharda	IOTA Cell, Bengluru	Expert talk	2016
14	Mr. Bandewaj	IOTA Cell, Bengluru	Expert talk	2016
15	Mr. Abhinav	Cardea Lab, Delhi	Expert talk	2016
16	Mr. Daniel Hann	Advance Robotics Control	Expert talk	2016

25. Seminars/ Conferences/ Workshops organized & the source of funding

S. No.	Seminar/Conference /Workshop	National/ International	Date	Funding Agency
1	ECIS-3 (Conference)	National	16,17 March,2013	IEI, ISTE
2	RIECE 2K14 (Conference)	National	10,11 Oct,2014	NIET, Grater Noida
3	MATLAB-Workshop	National	9, 16, 23, Feb, 2013	NIET, Grater Noida
4	VLSI Design-Workshop	National	14, 15, Feb, 2015	3ST Technology,
5	Virtual Lab-Workshop	National	12 Feb, 2015	IIT Delhi
6	Embedded Systems-Workshop	National	2-4 March, 2015	Sofcon India
7	Webinar on Mobile Communication	National	04 th -06 th May, 2016	Dellsoft
8	2G/3G Technology-Workshop	National	23 rd -27 th May, 2016	NITTR –Chandigrah
9	VLSI Design-Workshop	National	01 st Oct,2016	3ST technology
10	Advance Robotics Control	International	7 th Sep. 2016	NIET, Grater Noida

SEMINARS

S.N.	Name of Expert	Name of Institute/industry	Topic delivered	Duration in hours	Total no of participant
1	Ms. Narmada Sharda	IOTA Cell, Bengluru	Embedded System	72	125
2	Mr. Vishal Gupta,	Samsung R&D,Noida	Personality Development	04	80
3	Mr, Bandewaj	IOTA Cell, Bengluru	Mobile Application Development on Android Platform	72	100
4	Mr. Rajat Sikka	TCS, New Delhi	Recent trends in software industry	04	92
4	Major Ajit K. Singh	Army Headquarter-New-Delhi	Future Scope in Indian Army	02	185
5	Captain Ajay Sharma	Naval Headquarter-New-Delhi	Future Scope in Indian Navy	02	165
6	Wing. CDR Ganesh	Air Headquarter-New-Delhi	Future Scope in Indian Air Force	02	135

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)		Applications received	Selected	Enrolled		Pass percentage
				M	F	
UG	Session 2016-2017	By AKTU Lucknow(Formerly UPTU Lucknow)	235	195	40	-
	Session 2015-2016		233	187	46	-
	Session 2014-2015		162	131	31	-
	Session 2013-2014		201	175	26	-
PG	Session 2015-2016		07	04	03	-
	Session 2014-2015		09	06	03	-

*M=Male *F=Female

27. Diversity of Students

Name of the Course/programme		Applications received	%of students from the same state	%of students from other States	%of students from abroad
UG	Session 2015-2016	By AKTU Lucknow (Formerly UPTU Lucknow)	80	20	-
	Session 2014-2015		70	30	-
	Session 2013-2014		75	25	-
PG	Session 2015-2016		90	10	-
	Session 2014-2015		90	10	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S. No.	Year	Exam Qualified	Number of Students
1	2013	GATE	3
2	2014	GATE	5
3	2015	GATE	7
4	2016	GATE	11

29. Student progression

Student progression	Against% enrolled		
	2010-14	2011-15	2012-16
UG to PG	5%	10%	7%
PG to M.Phil.	N/A	N/A	N/A
PG to Ph.D.	2%	1%	10%
Ph.D to Post-Doctoral	Nil	Nil	Nil
Employed	61%	70%	75%
Entrepreneurship/ Self-employment	4%	2%	2%

30. Details of Infrastructural facilities

a) Library:

- Central library consists of: 7498 volumes and 699 Titles
- Department library facilitates total volume: 347
- Automated Library Management System (OPAC) software is provided for personal assistance to each and every user while accessing the library books
- Department is facilitated with Wi-Fi, LAN and Reliance Jio hotspot for internet connectivity

- b) Class rooms with ICT: 12
- c) Laboratories: 21
- d) Tutorial Room: 03
- e) Seminar Hall: 01

31. Number of students receiving financial assistance from college, university, Government or other agencies:

S No	Agency/College/University/Govt.	No. of Students		
		2013-14	2014-15	2015-16
1	Social Welfare	121	177	149

32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts:

Special Lecture	Workshop	Seminar
Dr. Sneha Anand (IIT Delhi) (October, 2012)	MATLAB (9,16,23, Feb, 2013)	Amazon Web Services (AWS Database) (17 Nov, 2015)
Dr. Brahmjit Singh NIT Kurukshetra) (9-12 July, 2014)	VLSI Design (14,15, Feb, 2015)	Corporate Expectations from a Fresher (25 Sep., 2014)
Dr. S D Joshi (IIT Delhi) (15/11/2013)	Virtual Lab (12 Feb,2015)	AMDOCS (10 Sep., 2014)
	Embedded Systems (2-4 March, 2015)	TCS (24 Apr., 2014)
	2G/3G, NITTR– Chandigarh (23 rd - 27 th May, 2016)	Cloud Computing (20 Aug., 2014)
	One-day workshop-3ST technology, Noida on VLSI design (01 st Oct,2016)	TCS connect session (8 Sep., 2014)
	Indian Prototype Vehicle (IPV) by Indian Air Force (21 Sep.,2015)	Windows 8 Webinar (6, 13, 20, 27 Feb., 2014)
		India Air Force

		(21 Feb, 2016)
		India Navy (27 Sep, 2016)

33. Teaching methods adopted to improve student learning:

CWQIP	TSDP	WSDP
ICT Method for Teaching	Practical oriented and project based learning	Conduction of extra classes
Mentor-Mentee system to help at individual levels	Proper conduction of tutorial classes	Additional assignments
Massive Open Online Course (MOOC)	Technical symposiums	Individual attention
Learning through NPTEL	Guest lectures	Special mentoring
	Peer to Peer Learning	

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

1. The Rainbow School

The Rainbow School provides education to the children of the economically weaker people in the vicinity of Greater Noida. Apart from academics these children are also imparted vocational training. NIET provides free education, books & Stationery, uniform and meals to needy students.

2. Self Defense Training

Special training is provided to the girls of the institute to defend themselves against crimes. This program is running in collaboration with NGO Aseem Nari Shakti that teaches them various tactics of self-defense.

3. Tree plantation

The primary purpose of this activity is to imbibe in the staff and students the importance of a green and healthy surrounding in a rapidly growing concrete jungle.

4. Project Swabhiman

NIET has become an academic partner of project Swabhiman: Employability & Entrepreneurship Development for social development. It focuses on enhancing the employability skills of youth by imparting education, life skills and vocational training.

5. Adoption of a Village

NIET has adopted village Navada and familiarized villagers with the technology, a tribute to Dr APJ Abdul Kalam on his birthday.

6. Swachh NIET Abhiyan

The green gold society of NIET has organized a swachh NIET abhiyan on 1st October 2016 in the concept of Swachh Bharat Abhiyan. During this event faculty and students took initiative regarding cleanliness and its maintenance in the campus and nearby places.

7. Holistic Activity

A talk on “Technical Education in the Light of Universal Values”

organized by the Sahaj Yog group in the Institute

8. Healthy Living

- TCS Fit4life - Campus Challenge: NIET organized “TCS Fit4life Campus Challenge” in association with TCS. TCS Fit4life Campus Challenge was a 5KM marathon where more than 3000 students across the engineering colleges in Delhi/NCR along with faculty members and TCS employees participated. More than 200 students and all the faculties of this department were active participants.

35. SWOC analysis of the department and Future plans:

Strengths:

- Quality intellectual capital
- Cutting edge Technology labs with industry collaboration
- Industry aligned training programs
- High placement percentage
- Supported by NIET TBI
- Better placement opportunities
- Large number of research publications by students and faculty members

Weakness:

- Soft skills of students from rural background
- Consultancy work

Opportunities:

- To be a part of Digital India campaign
- To be a part of Make in India campaign
- Production and commercialization of electronic products through NIET-TBI

Challenges:

- Updating faculty on latest technology
- Curriculum gap with respect to industry needs

Future Plans:

- To become NBA accredited
- Center of excellence in VLSI design and Telecommunication Engineering
- To start consultancy work with leading electronics industries
- To establish tie ups with national/international Universities/Institutes

3. Evaluative Report of the Department

1. Name of the department: **Mechanical Engineering**

2. Year of Establishment: **2001**

3. Name of Programmes /Course offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.): **B. Tech., M Tech.**

S. No.	Level	Name of the Programme	Specialization	Shift	Total Intake	Duration	Fulltime / Part-time
1	UG	B. Tech	Mechanical Engineering	1 st	180	4 Years	Fulltime
				2 nd	60		
2	PG	M. Tech	Mechanical Engineering	1 st	24	2 Years	Fulltime
			Mechanical Engineering (Specialization: CAD)		18	2 Years	Fulltime

4. Name of Interdisciplinary courses and the departments/units involved:

S. No.	Subject	Subject Code	Department
1	Engineering Mathematics-I	RAS103	Applied Science & Humanities
2	Engineering Physics-I	RAS101	Applied Science & Humanities
3	Basic Electrical Engineering	REE101	Electrical & Electronics Engineering.
4	Professional Communication	RAS104	Applied Science & Humanities
5	Computer System and Programming	RCS101	Computer Science and Engineering
6	Basic Electronics	REC 101	Electronics Engineering
7	Engineering Chemistry	RAS102	Applied Science & Humanities
8	Engineering Physics-II Lab	RAS 151	Applied Science & Humanities
9	Engineering Chemistry Lab	RAS 152	Applied Science & Humanities
10	Basic Electrical Engineering-Lab	REE 151	Electrical & Electronics Engineering
11	Professional Communication Lab	RAS 154	Applied Science & Humanities
12	Computer Programming Lab	RCS 151	Computer Science and Engineering
13	Engineering Mathematics III	NAS 301	Applied Science & Humanities
14	Science Based Elective	NOE 031	Applied Science & Humanities
15	Industrial Psychology	NHU 301	Applied Science & Humanities
16	Industrial Sociology	NHU 302	Applied Science & Humanities
17	Human Values and Professional Ethics	AUC 001	Applied Science & Humanities
18	Cyber Security	AUC 002	Computer Science and Engineering
19	Electrical Machine and Control	NEE 409	Electrical & Electronics

			Engineering
20	Electrical Machine and Control Lab	NEE 459	Electrical & Electronics Engineering
21	Entrepreneurship Development	NOE 071	Master of Business Administration

5. Annual/ semester/ choice based credit system (Programme wise): **Semester (CBCS)**

6. Participation of the department in the courses offered by the other departments:

S. No.	Name of Course	Subject Code	Department
1	Elements of Mechanical Engineering	RME101	EN, ECE, CSE, IT, CH, BT, CE.
2	Elements of Mechanical Engineering-Lab	RME151	EN, ECE, CSE, IT, CH, BT, CE.
3	Computer Aided Engineering Graphics-Lab	RCE151	EN, ECE, CSE, IT, CH, BT, CE.
4	Workshop Practice-Lab	RME152	EN, ECE, CSE, IT, CH, BT, CE.
5	Thermal and Hydraulics	NME-309	EN
6	Thermal and Hydraulics-Lab	NME-359	EN
7	Manufacturing Technology	NME-402	CH
8	Manufacturing Technology Lab	NME-452	CH
9	Material Science	NOE-074	CH

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

S.No.	Course	Industry	Number of students benefited in last three year
1	Autodesk AUTOCAD Certification Course	Autodesk, USA	30
2	3D Printing and Prototyping	IOTA Cell, Bengaluru	170
3	PTC Creo Certification Course	PTC University, USA	149
4	Virtual Advanced Robotics Control Lab	Applied Robotics Center, Germany/ARC, Indo Euro Sync.	30
5	Japanese Language	Japan Foundation	30
6	German Language	Max Mueller Bhawan	10

8. Details of course/programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	57	06
Associate Professors		01
Asst. Professors		42

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ Ph.D./ M.Phil., M. Tech)

FACULTY DETAILS

S. No.	Name of Faculty	Qualification	Designation	Specialization	Experience in Years	No. of M. Tech/ Ph. D Students guided for the last 4 year
1	Dr. Ajay Kumar	Ph. D, M. Tech	Professor & Director	Production Engineering	18	7
2	Dr. Praveen Pachauri	Ph. D, M. Tech	Professor	Production Engineering	17	8
3	Dr. Chandan Kumar	Ph. D, M. Tech	Professor & Head	Machine Design	15	2
4	Dr. N. Rajesh Mathivanan	Ph.D, M. Tech	Professor	Production	20	2
5	Dr. S. L Verma	Ph. D, M. Tech	Professor	Production Engineering	33	2
6	Dr. Arvind Tiwari	Ph. D, M. Tech	Professor	Thermal Engineering	14	-
7	Dr. Sachin Tejyan	Ph. D, M. Tech	Assistant Professor	Manufacturing & Composite Materials	04	-
8	Dr. Harveer Singh Pali	Ph. D, M. Tech	Associate Professor	Thermal Engineering	12	3
9	Mr. Sandeep Chauhan	Ph. D*, M. Tech	Assistant Professor	Machine Design	13	3
10	Mr. Rakesh Singh	Ph. D*, M. Tech	Assistant Professor	CIM	9	2
11	Mr. Shashi Prakash Dwivedi	Ph. D*, M. Tech	Assistant Professor	CAD	9	1
12	Mr. Sanjay Kumar	M. Tech	Assistant Professor	CAD	8	--

13	Mr. Ashish Srivastava	Ph. D*, M. Tech	Assistant Professor	CAD	9	1
14	Mr. Shahzad Ali	Ph. D*, M. Tech	Assistant Professor	Design	3	--
15	Mr. Ajay Kumar	M. Tech	Assistant Professor	Manufacturing	3	--
16	Mr. Alqamah Sayeed	M. Tech	Assistant Professor	Atmosphere Ocean Technology	1	--
17	Mr. Anant Prakash Agrawal	Ph. D*, M. Tech	Assistant Professor	CIM	6	--
18	Mr. Azmal Hussain	M. Tech	Assistant Professor	Production Engineering	1	--
19	Mr. Gaurav Singh	M. Tech	Assistant Professor	Manufacturing	3.8	--
20	Mr. Prabhakar Singh	M. Tech	Assistant Professor	Design	6.5	--
21	Mr. Prateek Gupta	M. Tech	Assistant Professor	CAD	6.5	--
22	Mr. Tarun Goel	M. Tech	Assistant Professor	Thermal Engineering	1	--
23	Mr. Vijay Bhutani	M. Tech	Assistant Professor	Thermal Engineering	3	--
24	Mr. Vivek singh	M. Tech	Assistant Professor	Production Engineering	8	--
25	Ms. Samar Sultan	M. Tech	Assistant Professor	CAD	8	--
26	Mr. Nitesh Kumar	M. Tech	Assistant Professor	AMS	1	--
27	Mr. Jitendra Kumar	M. Tech	Assistant Professor	Manufacturing & Automation	4	--
28	Mr. Anshu Anand	M. Tech	Assistant Professor	AMS	1	--
29	Mr. Yogesh Meena	M. Tech	Assistant Professor	CAD	1	--
30	Mr. Atul Ranjan	M. Tech	Assistant Professor	Manufacturing	1	--
31	Mr. Saurobh Poddar	M. Tech	Assistant Professor	Mechanical Engineering.	1	--
32	Mr. Annant Dhawan	M. Tech	Assistant Professor	Production Engineering	3	--
33	Ms. Shilpi Kumari	M. Tech	Assistant Professor	Thermal Engineering	1	--
34	Ms. Archita Singh	M. Tech	Assistant Professor	Robotics	1	--
35	Ms. Smriti Srivastav	M. Tech	Assistant Professor	Automobile	1	--
36	Mr. Krishna Kumar Yadav	M. Tech	Assistant Professor	Hydro Power	1	--

37	Mr. Shyamlal Sharma	M. Tech	Assistant Professor	Machine Design	1	--
38	Mr. Faizan Haq	M. Tech	Assistant Professor	Thermal Engineering	1	--
39	Mr. Ajeet Singh	M. Tech	Assistant Professor	Production Engineering	1	--
40	Mr. Shiv Narayan Prajapati	M. Tech	Assistant Professor	CIM	1	--
41	Mr. Rahul Kumar	M. Tech	Assistant Professor	Thermal Engineering	1	--
42	Ms. Vandana Jha	M. Tech	Assistant Professor	Production Engineering	1	--
43	Rahul Chaurasia	M. Tech	Assistant Professor	Material Science	1	--
44	Abhishek Kumar	M. Tech	Assistant Professor	Manufacturing	1	--
45	Mr. Anwar Ali	M. Tech	Assistant Professor	Manufacturing	1	--
46	Mr. Sarthak Dixit	M. Tech	Assistant Professor	Design	2	--
47	Mr. Arjit Saxena	M. Tech	Assistant Professor	Design	2	--
48	Mr. Pankaj Kumar	M. Tech	Assistant Professor	Mechanical Engineering	2	--
49	Mr. Ved Prakash	M. Tech	Assistant Professor	Design	3	--

11. List of senior visiting/ adjunct faculty: 12

S.No.	Name of Visiting Faculty	Affiliation	Experience Years
1	Mr. Ajay Kumar Agarwal	Volks Wagon	20
2	Mr. Amit Kumar	Havels India Ltd.	14
3	Mr. H.K.Sahejwani	Freelancer, Retd. Scientist	37
4	Mr. Brijesh Agarwal	Kunj Forging Pvt. Ltd.	40
5	Mr. D. K. Gupta	Advisor, MSME, Retd. Bharat Petroleum	42
6	Mr. Mahendra Kumar Sharma	Retd. Professor, ISM Dhanbad	40
7	Mr. Gaurav Gupta	Enertia System Power Pvt. Ltd.	15
8	Mr. Narendra Patel	Honda Cars Industry	16
9	Mr. Ram Ratan Singh	HPCL	12
10	Mr. Ravindra Kumar Verma	Suri Automobiles	28
11	Mr. Vishal Kumar Agarwal	Reliance Industry	12

12	Mr. Santosh Kumar	Tata Motors	12
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12. Percentage of lecture delivered and practical classes handed (programme wise) by temporary faculty: **Nil**

13. Student -Teacher Ratio (programme wise): **15:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S. No.	Staff	Sanctioned	Filled
1	Technical Staff	13	13
2	Administrative Staff	04	04

15. Qualifications of teaching faculty with DSc. / D.Litt./ Ph.D/ M.Phil./ PG./ UG

S. No.	Qualification	Number
1	Ph. D	08
2	M. Tech	41
3	B. Tech	Nil

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

S. No.	Project Ongoing	Funding Agency	National/International	Grant
1	PMKVY Skill Development Program 1. Automotive-Tool Room Operator Technician, 2. Automotive-AC Specialist	Government of India	National	Grant allocation per student Rs. 10000/- (Pending from PMKVY)

17. Departments projects funded by DST-FIST; UGC, ICSSR, etc. and total grants received:

Grant of Rs 50,000/- from DST, Govt. of India, for International Conference Cutting Edge Technological Challenges in Mechanical Engineering (CETCME- 2017), 18th – 19th Febuary 2017.

18. Research Centre / facility recognized by the University:

S. No.	Research Centre details
1	University Research center for Mechanical Engineering, APJAKTU, Lucknow AKTU/VCO/cir/2016/8192, 14/10/2016
2	Pre-Ph.D Course work centre, APJAKTU, Lucknow

S. No.	Name of Facility	Recognition
1	Nodal Centre of Virtual Lab	IIT, Delhi
2	PTC Competence Centre	PTC University, USA
3	Virtual Advanced Robotics and Control Lab	Applied Robotics Center, Germany/ARC, Indo Euro Sync
4	Product Development and 3D Printing	In-house

19. **Publications: 126**

- Publication per faculty: 2.57
- Number of papers published in peer reviewed journals (national/international) by faculty and students.

No. of Publications	Citation Index	SNIP	SJR	Impact Factor	h-Index	Books/ Monograph
256	395	23.3	26.36	40.19	32	05

20. Areas of consultancy and income generated: The details of consultancy is as follows:

Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)
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1. Department of ME	TSSC	Skill Development under PMKVY	750000.00 (awaited)
2. Dr P. Pachauri, Dept of Mechanical Engg.	Armaan Industries	Fabrication of grippers	10000.00
3. Prof P.Pachauri, Dept. of Mechanical Engg.	Chamunda Papers Mill	Installation and supervision of rollers	100000.00
4. Prof P.Pachauri, Dept. of Mechanical Engg.	Armaan Industries	Design and development of sliding trays	32000.00
5..Prof P.Pachauri, Dept. of Mechanical Engg.	Chamunda Papers Mill	Fabrication of rewinder mechanism	65000.00

21. Faculty as members in

- a) National Committees- 01 (Member of BOS AKTU, Lucknow)
 b) International Committees- 10 Reviewers in International Journals
 c) Editorial Boards: 02

S. No.	Name of Faculty	Member in	National/International/Editor Board/Professional Bodies
1	Dr. Ajay Kumar	Reviewers' panel of International Journal	Fellow of Institution of Engineers, LMISTE, Editorial Board of NIET Journal of Engineering & Technology
2	Dr. P. Pachauri	Reviewers' panel of International Journal	LMISTE, PMAI, Editorial Board of NIET Journal of Engineering & Technology
3	Dr. Chandan Kumar	Reviewers' panel of International Journal	LMISTE, ISFT, IAENG
4	Dr. N. Rajesh Mathivanan	Reviewers' panel of International Journal	LMISTE, LMIWS, LMIET, Member FPS
5	Dr. S.L. Verma	Reviewers' panel of International Journal	LMISTE, AIE, IAENG, IRED
6	Dr. Sachin Tejyan	Reviewers' panel of International Journal	LMISTE, IAENG
7	Dr. Arvind Tiwari	Reviewers' panel of International Journal	LMISTE
8	Dr. H.S. Pali	Reviewers' panel of International Journal	SAE, ASME, ISFT
9	Mr. S.P. Dwivedi	Reviewers' panel of International Journal	-
10	Mr. Ashish Srivastav	Reviewers' panel of International Journal	LMISTE, MIE
11	Mr. S.L. Sharma	Reviewers' panel of International Journal	-

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programs: **100%**

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry /other agencies:

Level (UG/PG)	Projects					
	In House (%)			Industry [%]		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
UG	100	100	100	2	3	3
PG	80	100	100	20	--	--

23. Awards/Recognitions received by faculty and students

S. No.	Name of Faculty/student	Name of Award	Year	Agency
1	Dr. Ajay Kumar	Shikshak Samman	2016	Rashtriya Shishak Mahasangh, UP
2	Dr. P. Pachauri	Shikshak Samman	2016	Rashtriya Shishak Mahasangh, UP
3	Mr. Sanjay Kumar	PTC Certification	2016	PTC, USA
4	Mr. Ajay Kumar	PTC Certification	2016	PTC, USA
5	Mr. S. P Diwedi	Best teacher Award by NIET	2016	NIET, Gr. Noida
6	Mr. H. S Pali	Recognized for paper publication in SCI Journals	2016	NIET, Gr. Noida
7	Mr. S. P Diwedi	Recognized for paper publication in SCI Journals	2016	NIET, Gr. Noida
8	Mr. Sanjay Maurya	Recognized for paper publication in SCI Journals	2015	NIET, Gr. Noida
9	Mr. Prateek Gupta	Recognized for paper publication in SCI Journals	2015	NIET, Gr. Noida
10	Mr. S.P Diwedi	Recognized for paper publication in SCI Journals	2015	NIET, Gr. Noida

11	Dr. Ajay Kumar	Recognized for paper publication in SCI Journals	2014	NIET, Gr. Noida
12	Dr. Sudhir Kumar	Recognized for paper publication in SCI Journals	2014	NIET, Gr. Noida
13	Mr. Sanjay Maurya	Recognized for paper publication in SCI Journals	2014	NIET, Gr. Noida
14	Mr. Prateek Gupta	Recognized for paper publication in SCI Journals	2014	NIET, Gr. Noida
15	Mr. S.P Diwedi	Recognized for paper publication in SCI Journals	2014	NIET, Gr. Noida
16	Mr. Neeraj Sharma	Recognized for paper publication in SCI Journals	2014	NIET, Gr. Noida
17	Dr. Sudhir Kumar	Recognized for Best result	2014	NIET, Gr. Noida
18	Mr. P. Pachauri	Recognized for Best result	2014	NIET, Gr. Noida
19	Mr. H.S Pali	Recognized for Best result	2014	NIET, Gr. Noida
20	Mr. S.P Diwedi	Recognized for Best result	2014	NIET, Gr. Noida
21	Mr. Prateek Gupta	Recognized for Best result	2014	NIET, Gr. Noida
22	Mr. Ashish Srivastava	Recognized for Best result	2014	NIET, Gr. Noida
23	Ajay Kumar and Dr. Sudhir Kumar	Best research paper award	2013	Indian Foundry Journal
24	Mr. P.Pachauri, Jai Narayan Mishra	Campus Innovation Awards 2012 Second Prize	2012	Employability Times and Boot Strap Today (BST)
25	Mr. Ajay Kumar and Dr. Sudhir Kumar	Campus Innovation Awards 2012	2012	Employability Times and Boot Strap Today (BST)

		Third Prize		
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Students

S. No.	Name	Event	Year	Prize
1	Ankit Tripathi	SOLARIS, IGNUS, IIT Jodhpur	2016	First Prize
2	Mayank Pratap Singh	Robowar Contrivance, Sharda university	2016	Third Prize
3	Anuj Kumar Sharma	RC plane design, IIT Roorkee	2015	First prize
4	Ankur Pathak	RC plane design, IIT Roorkee	2015	First prize
5	Abhishek Kumar	RC plane design, IIT Roorkee	2015	First prize
6	Abhinav Kumar	RC plane design, IIT Roorkee	2015	First prize
7	Saurabh Kumar	RC plane design, IIT Roorkee	2015	First prize
8	Mr. Ankit Shirma	Tangelo Town JMI-Delhi	2015	Second prize
9	Prashant Kumar	Esya-15, Robosocce, IIT Delhi	2015	Second Prize
10	Prashant Kr. Sinha	Inovision Street Smart, IEC	2015	First Prize
11	Prashant Kr. Sinha	QUIZ, UCE	2015	First Prize
12	Suyash Kumar Pandey	Poetry, UCE	2015	First Prize
13	Gavrav Malik	Roborace, GNIOT	2015	First Prize
14	Mayank Pratap Singh	Roborace, Spandan, SLIT	2015	First Prize
15	Mayank Pratap Singh	Robowar, Spandan, SLIT	2015	Second Prize
16	Prashant Kr. Sinha	GQUASAR, General Quiz, GCET	2015	Second Prize
17	Mayank Pratap Singh	Robowar, Metacognition, GCET	2015	Second Prize
18	Pulkit Sharna	GQUASAR, Terrain, GCET	2015	Second Prize
19	Pulkit Sharna	GQUASAR, Trakker, GCET	2015	First Prize
20	Pulkit Sharma	Fest of India, Snapshot, NIU,	2015	Second Prize
21	Prashant Kr. Sinha	Fusion, QUIZ, GNIOT,	2015	First Position
22	Shubham Keshri	E-Bullience, Hydarulic Lift,	2014	Third Position

		NIET,		
23	Shubham	E Bullience, Quiz, NIET,	2014	Second prize
24	Arti Baisyo	E Bullience, Aero Swimmer, NIET,	2014	Second prize
25	Ayush Pal	E Bullience, Strain in Brain, NIET,	2014	Third Prize
26	Ravi Prakash Gupta	E Bullience, Bridge Making, NIET,	2014	Second Prize
27	Prashant Kumar	Star Quest, Techtrishna, AKGEC	2014	Third Prize
29	Amandeep Kishtoppa	Robosoccer, Techtrishna, AKGEC	2014	Second Prize
30	Amandeep Kishtoppa	Eluding Streak, Techtrishna, AKGEC	2014	Second Prize
31	Amandeep Kishtoppa	Star Quest, Techtrishna, AKGEC	2014	Third Prize
32	Asim Khan	Robo Rally, NIET,	2013	First Prize
33	Sonali Tyagi	Inovision Techfest, IEC	2013	Third Prize

24. List of eminent academicians and scientists/ visitors to the department: 30

S. No.	Name of Academician/ Scientist/visitor	Affiliation	Purpose	Year
1	Dr. B. S. Rajput	Former VC, KU, Uttrakhand	Keynote lecture	2017
2	Dr. Atul Thakur	IIT Patna	Keynote lecture	
3	Dr. P. M. Pandey	IIT Delhi	Keynote lecture	
4	Dr. Siddhartha	NIT Hamirpur	Keynote lecture	
5	Dr. M. M. Hasan	JMI, New Delhi	Guest of Honor	
6	Dr. Moinuddin	Pro VC DTU	Guest of Honor	
7	Prof. G. Kannan	Denmark	Guest Lecture	
8	Mr. Ashish Baheti	MD, Vectus Group	NIET Town Hall	2016
9	Wing Commander Ganesh	Indian Air Force	Seminar on Scope in Indian Airforce	2016
10	Mr. Dalip Singh	President, AEE, Delhi	Expert lecture on Energy Audit and Management	2016

11	Dr. Siddhartha	A.P, NIT Hamirpur	Interaction with Faculty	2016
12	Prof. D. Haan,	Germany	Expert Lecture on Advance Robotics	2016
13	Dr. R.K Mishra	GBU, Gr. Noida	MSMES-2016, STTP	2016
14	Dr. Ramji Lal	IIT Delhi	MSMES-2016, STTP	2016
15	Dr. Vikas Rastogi	DTU Delhi	MSMES-2016, STTP	2016
16	Dr. H.K Sahjwani	Free lancer	Workshop on Entrepreneurship Prospects in Solar Energy	2016
17	Dr. Sachin Maheshwari	NSIT-Delhi	CDC-Project Evaluation	2016
18	Er. Mitesh Kumar	Frounis India Ltd.	Workshop on Basics of Welding	2016
19	Capt. Ajay Sharma	Indian Navy	Seminar on Scope in Indian Navy	2016
20	Prof. N. Rajesh,	Banglore	Expert Lecture on Composite Materials	2016
21	Mr. Mukul Singhal (IAS)	Principal Secretary, Technical Education Government of U.P.	placement felicitation program	2016
22	Mr. Bhairab Patra,	Virtual Labs, IIT Delhi	Workshop, Virtual Lab.	2015
23	Mr. Gurudutt Sharma	Virtual Labs, IIT Delhi	Workshop, Virtual Lab.	2015
24	Mr. Sameer Rastogi,	CEO , India Juris , New Delhi	Workshop	2015
25	Maj. Ajeet	Indian Army	Seminar on Scope in Indian Army	2015
26	Prof. Pradeep Kumar	Vice-Chancellor, Delhi Technological University	CETCME-2015, International Conference.	2015
27	Dr. R. S. Nirjar	Former Vice-Chancellor, Gautam Buddha University, Greater Noida	CETCME-2015, International Conference.	2015
28	Dr M.M Hassan	Prof., JMI	UPTU Nominee	2015
29	Dr. R.S Waliya	DTU	CETCME-2015, International Conference.	2015
30	Dr. H.C Thakur	GBU-Gr. Noida	CETCME-2015, International	2015
31	Dr. A. K. Sharma	IIT Roorkee	Expert lecture on Processing of Green Composites	2014
32	Dr. H Singh	NIT Kurukshetra	Taguchi Technique of Optimization	2014
33	Dr. Akshay Dvivedi	IIT Roorkee	Expert lecture Micro –	2014

			Machining processes	
34	Dr. J. P. Subranhmanyam	IIT Delhi	Expert lecture on Advances in IC Engine & Combustion	2014
35	Dr. P. K. Jain	IIT Roorkee	Expert lecture on Microwave Cladding	2013
36	Dr. Naveen Kumar	DTU, Delhi	Expert lecture on Biodiesel	2013
37	Shri. T. K. A. Nair,	Advisor to P.M. of India	National Seminar	2013

25. Seminars/ Conferences/ Workshops organized & the source of funding:

S. No.	Seminar/Conferences/Workshops	Funding Agency	Date
1	International Conference CTCME-2017	DST	18/02/2017 to 19/02/2017
2	Seminar , on Future Scope in Indian Air Force,	Air force	27/09/2016
3	Expert Lecture on Energy Audit & Management	AEE-Delhi	23/09/2016
4	Seminar for GATE ASPIRANTS	Engineer's Zone	09/09/2016
5	One week STTP on Modeling and Simulation for Mechanical Engineering Systems	ISTE/Institute	06/06/2016 to 10/06/2016
6	One day workshop on Internet of Things	PTC	10/06/2016
7	2 Days Seminar on Entrepreneur Aspects on Solar Energy	Institute	22/04/2016 & 23/04/2016
8	One day Workshop on Basics of Welding	Fronius India Pvt	15/04/2016
9	Seminars on Entrepreneurship & IPR Awareness Program	Institute	01/02/2016
10	Seminar on Future Scope in Indian Navy,	Indian navy	21 /02 2016
11	2 Days Workshop on Auto CAD	CETPA	30/12/2016 & 31/12/2015
12	Seminar ,Future Scope in Indian Army,	Indian Army	14 /10/2015
13	One day workshop on virtual Lab	IIT-D	16/09/2015
14	Workshop on Intellectual Property Rights	Institute	25/07/2015
15	2 Weeks Workshop on Additive Manufacturing	Institute	18/07/2015 to 29/07/2015
16	An International Conference & Exhibition On "Cutting Edge Technological Challenges in Mechanical Engineering"	ISTE New Delhi	21/03/2015 & 22/03/2015
17	A one Day National Seminar on "3D printing"	IOTA Cell	14/11/2014,

18	A Two Days Quality Improvement Program on “Advances in Mechanical Engineering”	Institute	14/05/2015 & 15/05/2014
19	A Two Days Quality Improvement Program on Latest Trends in Manufacturing	Institute	07/01/2013 & 08/01/2013
20	Seminar on Need of Entrepreneurial Revolution in emerging technologies in Current Global Scenario	SCI & Institute	16/11/2013

a) National: 18

b) International conference: 02

[CETCME-2015 in association with ISTE

- March 21-22, 2015

International conference: **CETCME-2017 Sponsored by DST, Govt. of India**

- Feb.18-19, 2017,

26. Student profile programme/ course wise:

Name of Course/ Programme		Applications received for admission*	Selected	Enrolled		Pass Percentage
				M	F	
UG	Session 2016-2017	By AKTU Lucknow (formerly UPTU Lucknow)	224	221	03	-
	Session 2015-2016		225	222	03	
	Session 2014-2015		225	224	01	-
	Session 2013-2014		219	211	08	-
PG	Session 2015-2016		03	2	1	-
	Session 2014-2015		09	7	2	-

*Applications are received by the affiliating university for admission and the number of applications are not known for specific department/ institute.

27. Diversity of admitted students

Name of Course/ Programme		% of Students from same state	% of Students from other states	% of Student from abroad
UG	Session 2015-2016	74	26	-
	Session 2014-2015	76	24	-
	Session 2013-2014	82	18	-
PG	Session 2015-2016	100	00	-
	Session 2014-2015	100	00	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, and Defense Services etc.?

S. No	Session	Exam Qualified	Number of students
1	2015-16	GATE	18

2	2014-15	GATE	15
3	2013-14	GATE	04

29. Student Progression

Student progression (%)	Against % enrolled		
	2015-16	2014-15	2013-14
UG to PG	18	5	9
PG to M.Phil.	NA	NA	NA
PG to Ph.D.	-	-	3
Ph.D to Post-Doctoral	NA	NA	NA
Employed Campus selection Other than campus recruitment	91	66	58
Entrepreneurship/ Self-employment	2	6	2

30. Details of Infrastructural facilities

a) Institute Library:

Total No. of Titles: 556

Volume: 14707

Timings: 9.30 am to 5.00 pm

b) Internet facilities to staff and students: High speed internet connection of 110 Mbps and Reliance JioHotspot WiFi connectivity

c) Total number of class rooms: Class Room: 15 & Seminar Hall: 1

d) Laboratories: 17 Labs, Projector and White Marker Board in every lab

31. Number of students receiving financial assistance from college, university, government or other agencies :

S.No.	Agency College/University/Govt.	No. of Students		
		2013-14	2014-15	2015-16
1	Social Welfare Department –UP Government	189	368	344
2	Financial Assistance from Institute	03	03	03

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:

Special Lecture	Workshop/QIP	Seminar	Conference
06	08	03	02

33. Teaching methods adopted to improve student learning:

Various activities and programmes are organized to improve learning of Students

Campus Wide Quality Improvement Program (CWQIP)

- Use of LCD Projectors to show videos and PPTs
- MOOCs is used (piazza.com, classcentral.com, futurelearn .com, edx.org)
- Use of NPTEL lectures
- Practical Based Learning
- Students advisory committee
- Project based Learning
- CDC activities

Total Students Development Programme (TSDP)

- Different activities are organized under this programme
- Guest/Expert Lectures
- Workshop/ Conferences
- Skill development programmers
- Training in Industry supported labs
- Training on Aptitude and HR Skills
- Technical Quiz/Competition
- Mentor-Mentee policy

Weak Students Development Programme (WSDP)

- Special Classes are organized for the Weak students
- Extra Classes are organized for the Weak students
- Peer adoption policy

34. Participation in Institutional Social Responsibility (ISR) and extension activities

The faculty members and students of the Department participate in various social activities

- Teaching of socially weaker section in Rainbow School
- Plantation of trees on every 15th August (Independence Day) and 17th October (Foundation Day)
- Plantation on 27th July 2016, APJ Abdul Kalam Birth anniversary
- Swachh NIET Abhiyaan on 01st October 2016
- Swachta Abhiyaan - **Swachh Bharat Ki Aur on 17th** October 2015
- Adoption of Village on 15th October 2015.
- TCS Fit For Life on 8th February, 2015
- One day self defense training programme for girls

- A talk on “Technical Education in the Light of Universal Values” on 05th October 2015
- Plantation by Green Gold Society In Collaboration With Sankalptaru (NGO) COGNIZANT on 10th October 2015
- Diabetic’s awareness camp on 18th October 2014

35. SWOC analysis of the department and Future plans

Strengths:

- Experienced faculty members
- Industry based laboratories (PTC Excellence Center, Advance Robotics Lab and 3D Printing Lab)
- Students’ Clubs
- Department is supported by leadership to organizing high level inter- institutional Tech-Fest
- Supported by NIET Technology Business Incubator for entrepreneurship development activity
- Approved University research center
- Approved center of PMKVY

Weakness:

- Dependency on confined syllabus and it cannot be modified as per need of the industry
- Research work is focused to limited areas
- Placements of students in core companies

Opportunities:

- To contribute in “MAKE IN INDIA” mission of Government of India
- Potential of Consultancy activities as cutting edge facilities in labs and software are available
- To develop eco-friendly products

Challenges:

- To promote the culture of filing patents
- Decline in job opportunities in core sector
- Intellectual property adapting to the latest technology

Future Plans:

- NBA accreditation
- Deputation and faculty- exchange program with renowned institutes from India and abroad
- Create Center for excellence in Mechatronics

3. Evaluative Report of the Departments

1. Name of the Department: **Department of Biotechnology**
2. Year of Establishment: **2012**
3. Names of Programmes/ Courses offered (UG,PG,M.Phil.,Ph.D., Integrated Masters; Integrated Ph.D., etc.):

S. No.	Level	Name of the programme	Specialization	Shift	Intake	Duration	Full time/ Part time
1	UG	B.Tech.	Biotechnology	First	60	4 years	Full time

4. Names of Interdisciplinary courses and the departments/ units involved

S. No.	Name of Interdisciplinary Courses	Subject code	Name of Departments
1	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)	NOE-031	Computer Science & Engineering
2	Cyber Security	AUC-002	Computer Science & Engineering
3	Fluid Mechanics & Solid Handling	NBT-302	Chemical Engineering
4	Heat & Mass Transfer	NBT-402	Chemical Engineering
5	Elementary Mathematics-III	NBT-301	Applied Sciences & Humanities
6	Industrial Sociology	NHU-302	MBA
7	Industrial Psychology	NHU-301	MBA, Chemical Engineering
8	Engineering & Managerial Economics	NHU-501	MBA, Chemical Engineering
9	Industrial Management	NHU-601	MBA
10	Human Values & Professional Ethics	AUC-001	Applied Sciences & Humanities
11	Quality Management	NOE-072	MBA
12	Operation Research	NOE-073	Applied Sciences & Humanities

5. Annual/semester/ choice based credit system (programmewise):
Semester (Choice Based Credit System-CBCS)

6. Participation of the department in the courses offered by other departments

S. No.	Name of Interdisciplinary courses	Name of the department
1	BT-102: Introduction of Bioscience (MTU Syllabus, in the year of 2013-14)	All B.Tech. branches

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S. No.	Name of course	Name of industry	Number of students benefited in last three years
1	Technical Programmes	Simulanis Solutions Pvt. Ltd., New Delhi	61

8. Details of courses/ programmes discontinued (if any) with reasons:

NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	12	02
Associate Professors		00
Assistant Professors		10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.,

S. No.	Name of Faculty	Qualification	Designation	Specialization	Teaching Exp. (in Years)	M.Tech./ Ph.D. guided
1	Dr. Meenu Singh	M. Sc., Ph. D.	Professor & Head	Plant Molecular Biology	14	M.Tech. : 03 Ph.D. : 03
2	Dr. Ravi Kant Singh	M.Tech, Ph. D.	Professor	Bioreactor Design, Bioprocess Engineering	15	M.Tech. : 12 Ph.D. : 03
3	Mr. Ankit Kumar	B.Tech, M.Tech.	Assistant Professor	Bioseparation & DSP, Bioinformatics	04	NIL
4	Ms. Heena Pahwa	B.Tech, M.Tech.	Assistant Professor	Molecular Biology, Immunology	02	NIL
5	Ms. Vineeta Singh	B.Tech, M.Tech.	Assistant Professor	Fermentation Biotechnology	03	NIL

6	Dr. Bharti Choudhary	M. Tech., Ph.D	Assistant Professor	Microbiology	0	NIL
7	Ms. Meenu Agarwal	B.Tech, M.Tech.	Assistant Professor	Biochemistry, Plant Biotechnology	03	NIL
8	Ms. Abhilasha Sharma	B.Tech, M.Tech.	Assistant Professor	Enzyme & Bioprocess Engineering	01	NIL
9	Ms. Smriti Kaushik	B.Tech, M.Tech.	Assistant Professor	Biochemical Engineering	03	M.Tech. : 03
10	Ms. Latika Jaiswal	M.Tech. , Ph.D.*	Assistant Professor	Animal Biotechnology	01	NIL
11	Ms. Avni Agrawal	B.Tech, M.Tech.	Assistant Professor	Biochemical Engineering	02	NIL
12	Dr. Md. Zeeshan Nazm	M.Sc., Ph.D	Assistant Professor	Cancer Genetics	0	NIL

11. List of senior visiting faculty : **04 (Four)**

S. No.	Name of visiting Faculty	Affiliation with Designation	Experiences
1	Dr. Tripti Bhatnagar	Managing Director, Codon Biotech Pvt. Ltd, Noida	15 Years
2	Sri. R.P. Yadav	Patent & Trademark Attorney, SR4IPR Partner, Delhi	28 Years
3	Dr. Virendra Tiwari	Head, Toxicology Divison, Dabur Research Foundation, Ghaziabad	16 Years
4	Mr. Vijay Pratap Singh	Head (HR & Admin), Ayurved Ltd., Kaushambi, Ghaziabad	14 Years

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student–Teacher Ratio (programme wise): **15:01**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

S. No.	Nature of staff	Sanctioned	Filled
1	Technical Staff	02	02
2	Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

S. No.	Highest Qualification	Number of Faculty
1	Ph. D.	04
2	M.Tech.	08
3	B.Tech.	00

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received - **NIL**

18. Research Centre /facility recognized by the University -

- Various virtual labs in collaboration with IIT Delhi under the scheme of MHRD, Govt. of India.
- Clinical Research & Bioinformatics lab in association with Simulanis Solutions Pvt. Ltd., New Delhi.

19. Publications: Nil

20. Areas of consultancy and income generated: The details of consultancy is as follows:

Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)
1. Dr. Ravikant Singh	Sangal Paper Ltd	Decolorization of paper mill effluent	93000.00
2. Dr. Ravikant Singh	Sangal Paper Ltd	Decolorization of paper mill effluent	80000.00

21. Faculty as members in

S. No.	Name of Faculty	Member in National Committee	Member in International Committee	Member in Professional Bodies
1	Dr. Ravi Kant Singh	1. Member, Board of Studies of Biotechnology at UPTU, Lucknow 2. Approved supervisor in Biotechnology at UPTU, Lucknow 3. Member, Editorial Board, Biological	Member of Advisory Board in World Research Journal of Biotechnology	1. Life Member, Association of Biotechnology and Pharmacy, India 2. Life Member, Association of Microbiologist of India, India 3. Life Member, The

		Insights Journal		Indian Society of Human Genetics
2	Mr. Ankit Kumar			Life Member, Indian Immunology Society, India

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental/ programme

Percentage of students who have done in-house projects			
Course	2013-14	2014-15	2015-16
B.Tech.	NA	NA	83

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies

Percentage of students who have done projects outside the institute			
Course	2013-14	2014-15	2015-16
B.Tech.	NA	NA	17

23. Awards/ Recognitions received by faculty and students.

a. Faculty:

S. No	Activity	Organization	Faculty Name	Date
1	Workshop on Clinical Research & Bioinformatics	Simulanis Solutions Pvt Ltd., New Delhi	Mr. Ankit Kumar	15-07-15 to 26-07-15
2	Workshop on Clinical Research & Bioinformatics	Simulanis Solutions Pvt Ltd., New Delhi	Ms. Meenu Agarwal	15-07-15 to 26-07-15
3	Workshop on Clinical Research & Bioinformatics	Simulanis Solutions Pvt Ltd., New Delhi	Dr. Ravi Kant Singh	15-07-15 to 26-07-15
4	Workshop on Communication Skills through ICT	NITTR, Chandigarh	Ms. Smita Shukla	20-7-15 to 24-07-15
5	Workshop on Communication Skills through ICT	NITTR, Chandigarh	Ms. Vineeta Singh	20-7-15 to 24-07-15
6	FDP on Intellectual Property Rights	India Juris, New Delhi	Dr. Ravi Kant Singh	25-07-15
7	FDP on Intellectual Property Rights	India Juris, New Delhi	Ms. Vineeta Singh	25-07-15

8	FDP on Intellectual Property Rights	India Juris, New Delhi	Mr. Ankit Kumar	25-07-15
9	FDP on Intellectual Property Rights	India Juris, New Delhi	Ms. Meenu Agarwal	25-07-15
10	FDP on Intellectual Property Rights	India Juris, New Delhi	Ms. Smita Shukla	25-07-15
11	Workshop on SAS & Clinical Research	MonkFox, Hyderabad	Ms. Heena Pahwa	06-06-2016 to 16-06-2016
12	Workshop on SAS & Clinical Research	MonkFox, Hyderabad	Ms. Vineeta Singh	06-06-2016 to 16-06-2016
13	Workshop on Internet Of Things	PTC	Dr. Ravi Kant Singh	10-06-16
14	Workshop on Virtual Lab	IIT, Delhi	Dr. Ravi Kant Singh	23-08-16
15	Workshop on Virtual Lab	IIT, Delhi	Mr. Ankit Kumar	23-08-16
16	Workshop on Virtual Lab	IIT, Delhi	Ms. Heena Pahwa	23-08-16
17	Workshop on Virtual Lab	IIT, Delhi	Ms. Vineeta Singh	23-08-16
18	Workshop on Virtual Lab	IIT, Delhi	Ms. Smita Shukla	23-08-16
19	Workshop on Virtual Lab	IIT, Delhi	Ms. Meenu Agarwal	23-08-16
20	Workshop on Virtual Lab	IIT, Delhi	Ms. Abhilasha Sharma	23-08-16

b. Students:

S. No.	Name of Student	Name of Award	Year	Agency
1	Ms. Divyani Pal	Dr. O.P. Agarwal Award Branch wise Topper	2014	NIET, Greater Noida
2	Ms. Divyani Pal	Dr. O.P. Agarwal Award Branch wise Topper	2015	NIET, Greater Noida
3	Ms. Srishti Gupta	Dr. O.P. Agarwal Award Branch wise Topper	2015	NIET, Greater Noida
4	Ms. Divyani Pal	Dr. Sarojini Agarwal Award Branch wise Topper	2016	NIET, Greater Noida
5	Ms. Srishti Gupta	Dr. O.P. Agarwal Award	2016	NIET, Greater

		Branch wise Topper		Noida
6	Ms. Ruby Bam	Dr. Sarojini Agarwal Award Branch wise Topper	2016	NIET, Greater Noida

24. List of eminent academicians and scientists / visitors to the department:

S. No.	Name of Academicians/Scientists/Visitors with designation	Affiliation	Purpose	Year
1	Mr. Mayank Bhardwaj	Rapture Biotech, Noida	Guest Lecture	2013
2	Mr. Vivek Sharma	Environmental Resources Management (ERM), Gurgaon	Guest Lecture	2014
3	Dr. Tripti Bhatnagar, Managing Director	Codon Biotech. Pvt. Ltd, Noida	Industry-Institute Interactions	2015
4	Dr. Rajesh Kumar Thapa, Sr. Scientist	Ranbaxy Laboratories Ltd., Gurgaon	Summer Training	2015
5	Sri. R.P. Yadav, Patent & Trademark Attorney	SR4IPR Partner, Delhi	Guest Lecture	2015
6	Mr. Vishal Sharma, Managing Director	ENVIRTA Solution Pvt. Ltd., Noida	Guest Lecture	2015
7	Dr. B.N. Mishra, Professor & Head, Department of Biotechnology	IET, Lucknow	Curriculum Development Workshop	2016
8	Dr. Chaiti Ganguly, Director	CET, IILM, Greater Noida	Curriculum Development Workshop	2016
9	Dr. Virendra Tiwari, Head, Toxicology Division	Dabur Research Foundation, Ghaziabad	Seminar	2016
10	Dr. Faiz Abuzar, Account Manager	Thomson Reuters, Noida	Guest Lecture	2016
11	Dr. Namrata Gill	Dr. Reddy's Laboratories Ltd., Gurgaon	Guest Lecture	2016

25. Seminars/ Conferences/ Workshops organized & the source of funding:

S. No.	Name of Seminar/ Conference/ Workshop	National/ International	Date	Funding agency
1	Seminar on soft skills	National	September 8, 2014	NIET, Greater Noida

2	FDP on Communication Skills through ICT	National	July 20-24, 2015	NITTR, Chandigarh
3	Workshop on Bioinformatics & Clinical Research	National	July 15-26, 2015	Simulanis Solutions Pvt. Ltd., Delhi
4	Workshop on Clinical Research & SAS	National	June 06-16, 2016	MonkFox, Hyderabad
5	Workshop on Virtual Lab	National	August 23, 2016	IIT, Delhi
6	Workshop on Curriculum Development for B.Tech. Biotechnology	National	April 21-22, 2016	Dr. APJ Abdul Kalam Technical University, Lucknow

26. Student profile programme/course wise:

Name of Course/ Programme		Applications received for admission*	Selected	Enrolled		Pass Percentage
				M	F	
UG	Session 2016-2017	By AKTU Lucknow (formerly UPTU Lucknow)	60	40	20	-
	Session 2015-2016		48	29	19	-
	Session 2014-2015		43	13	30	-
	Session 2013-2014		31	9	22	-

*M=Male *F=Female

27. Diversity of Students

Name of Course/ Programme		% of Students from same state	% of Students from other states	% of Student from abroad
UG	Session 2015-2016	80	20	NIL
	Session 2014-2015	88	12	NIL
	Session 2013-2014	93	07	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S. No.	Year (Session)	Examination Qualified	No. of students qualified
1	2015-16	GATE	02
2	2014-15		NA
3	2013-14		NA

29. Student progression in last three years

Student progression (%)	Against % Enrolled		
	2015-16	2014-15	2013-14
UG to PG	10	NA	NA
PG to M.Phil.	NA	NA	NA
PG to Ph.D.	NA	NA	NA
Ph.D to Post-Doctoral	NA	NA	NA
Employed			
a. Campus Selection	86	NA	NA
b. Other than campus recruitment	NIL	NA	NA
Entrepreneurship/Self-employment	NIL	NA	NA

30. Details of Infrastructural facilities

a. Library:

b. Library:

Central Library has 79 Titles, 1600 Volume of books

Department also has its own library having more than 100 books

b) Internet facilities for staff and students

Internet facility is provided to all Staff members and students through Campus wi-fi, Reliance Jio hotspot and a leased line of 110 Mbps.

c) Total number of class rooms

B.Tech. – 03 class rooms equipped with multimedia projector.

d) Students' laboratories

Number of Labs: 10

31. Number of students receiving financial assistance from college, university, Government or other agencies

S. No.	Agencies	Number of Students		
	College/ University/ Govt.	2013-14	2014-15	2015-16
1	Social Welfare Department, Govt. of Uttar Pradesh	12	13	07

32. Details on student enrichment programmes (special lectures/ workshops/ Seminar) with external experts

S. No.	Students Enrichment Programmes (Lectures/Workshop/Seminar/Industrial Visit)	Activity Detail	Session (Year)
1	Guest Lecture	Careers at Indian Air Force delivered by Wing Commander AMS Joseph, Jt. Director	2016-17
2	Industrial Visit	Barclays, Noida	2016-17
3	MOU	MOU signed with Codon Biotech. Pvt. Ltd, Noida	2016-17
4	MOU	MOU signed with Institute For Industrial Research & Toxicology, Ghaziabad	2016-17
5	Industrial Visit	At Industrial Research & Toxicology, Ghaziabad	2016-17
6	Industrial Visit	At Mother Dairy, Patparganj, Delhi	2016-17
7	Tie-Ups	NIET tied up with Mersion School	2015-16
8	Seminar	Short term courses with foreign universities	2015-16
9	Seminar	Career in field of Stem Cell Technology, by Life cell International Pvt Ltd, New Delhi	2015-16
10	Industrial Visit	At Mother Dairy, Patparganj, Delhi	2015-16
11	Seminar	Campus Commune Connect Session by TCS	2015-16
12	Workshop	Skill development Programme in association with MonkFox, Bangalore	2015-16
13	Workshop	Skill development Programme in association with Simulanis Solution Pvt. Ltd., New Delhi.	2014-15
14	Industrial visit	Organized an industrial visit at Yakult Danone India Pvt. Ltd., Sonipat	2013-14
15	Seminar	Seminar on soft skills by Mr. Raman Batra	2013-14

33. Teaching methods adopted to improve student learning: Various activities and programmes are organized to improve teaching learning process

(A). Campus Wide Quality Improvement Programme (CWQIP)

- Use of LCD Projectors to show videos and PPTs
- Use of NPTEL lectures
- Practical Based Learning
- Students advisory committee
- Project based Learning
- CDC activities

(B). Total Students Development Programme (TSDP)

Different activities are organized under this programme

- Guest/Expert Lectures
- Workshop/Conferences
- Skill development programs

- Training in Industry supported labs
- Training on Aptitude and HR Skills
- Technical Quiz/Competition
- Mentor-Mentee policy

(C). Weak Student Development Programme (WSDP)

- Remedial Classes
- Peer adoption policy

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Following activities were carried out in college campus with respect to social and healthy living of human beings.

2. The Rainbow School

The Rainbow School provides education to the children of the construction workers in the vicinity. Apart from academics these children are also imparted vocational training. NIET provides Free Education, Books & Stationery, and Uniform & Mid-day Meals to needy people of our society.

3. Self Defense Training

To prepare girl students of our department to fight against crimes, a course focusing on the holistic development and training, in collaboration with NGO Aseem Nari Shakti is undertaken that teaches them various tactics of self defense.

4. Tree plantation

The primary purpose of this activity is to imbibe among the staff and students of our department, the importance of a green and healthy surrounding in a rapidly growing concrete jungle.

5. Adoption of a Village

NIET adopted village Navada and familiarized villagers to technology, a tribute to Dr APJ Abdul Kalam on his birthday. Students of the department actively participated various educational drive and awareness camps.

6. Swachh NIET Abhiyan

The green gold society of NIET has organized a swachh NIET Abhiyan on 1st October 2016 on the concept of Swachh Bharat Abhiyan. During this event faculty and students of our department took initiative regarding cleanliness and its maintenance in the campus and nearby places.

7. Holistic Activity

A talk on “Technical Education in the Light of Universal Values” organized by the Sahaj Yog group in the department.

8. Healthy Living

- Health Awareness Campaign against Diabetes.
- TCS Fit4life-Campus Challenge: NIET organized “TCS Fit4life Campus Challenge” in association with TCS. TCS Fit4life Campus Challenge was a 5KM marathon where more than 3000 students across the engineering colleges in Delhi/NCR along with faculty members and TCS employees participated.

35. SWOC analysis of the department and Future plans

Strengths

- Quality intellectual capital
- High record of placements
- Well equipped laboratories
- Industrial tie-ups and MOUs
- Department provides industry oriented training

Weaknesses

- Curriculum gap
- Industry experienced faculties are less in number
- Less number of Consultancy and extension activities
- No International academic tie-up's at department level

Opportunities

- To take ethical permission for conducting research on animal sample
- Student exchange programmes with premier institutions and industries in India are possible
- Active Academic Tie up and collaboration with foreign universities for new generation courses
- To be a part of medical science with the knowledge of Bioinformatics & Clinical Research

Challenges

- Curriculum gap with industry needs
- Updating faculty members on latest technologies

Future Plans

- To get NBA Accreditation
- To achieve "Centre of Excellence" in Fermentation Technology.
- To get funded projects from Government funding agencies like DST, DBT, AICTE, etc.

3. Evaluative Report of the Departments

1. Name of the department : **Chemical Engineering**
2. Year of Establishment : **2008**
3. Names of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

S. No.	Level	Name of the programme	Specialization	Shift	Intake	Duration	Full time/part time
1	UG	B.Tech.	Chemical Engineering	First	60	4 years	Full time

4. Names of Interdisciplinary courses and the departments/ units involved

S. No.	Name of Interdisciplinary Courses	Subject code	Name of Departments
1	Electrical Measurement & Measuring Instruments	NEE-302	Electronics & Communications Engg
2	Cyber Security	AUC-002	Computer Science & Engineering
3	Manufacturing Science & Technology	NME-402	Mechanical Engineering
4	Engineering Mathematics-III	NAS-301	Applied Sciences & Humanities
5	Industrial Sociology	NHU-302	MBA
6	Industrial Psychology	NHU-301	MBA
7	Engineering & Managerial Economics	NHU-501	MBA
8	Industrial Management	NHU-601	MBA
9	Human Values & Professional Ethics	AUC-001	Applied Sciences & Humanities
10	Quality Management	NOE-072	MBA
11	Operation Research	NOE-073	Applied Sciences & Humanities
12	Material Science	NOE-074	Mechanical Engineering

5. Annual/ semester/ choice based credit system (programme wise)
Semester (Choice Based Credit System-CBCS)

6. Participation of the department in the courses offered by other departments

S. No.	Name of Interdisciplinary courses	Subject Code	Name of the Department
1	Fluid Flow & Solid Handling	NBT-302	Biotechnology
2	Heat & Mass Transfer	NBT-402	Biotechnology
3	Environmental & Ecology	BOP-355	Pharmacy
4	Environmental & Ecology	PHARM-366	Pharmacy

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S. No.	Name of course	Name of industry	Number of students benefited in last three years
1	Technical Programmes	Simulanis Solutions Pvt. Ltd., New Delhi	90

8. Details of courses/ programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts

	Sanctioned	Filled
Professors	12	01
Associate Professors		0
Assistant Professors		09

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.Etc.,)

S. No.	Name of Faculty	Qualification	Designation	Specialization	Teaching Exp. (in Years)	M.Tech./ Ph.D. guided
1	Dr. Pardeep Garg	M.Tech. & Ph.D.	Professor	Heat Transfer	10	M.Tech.: 03
2	Ms. Monika Srivastava	B.Tech. M.Tech.	Assistant Professor	Chemical Reaction Engineering	08	NIL
3	Mr. Krishanu Saha	B.Tech. M.Tech.	Assistant Professor	Process Modeling & Simulation	06	NIL
4	Mr. Saurabh Yadav	B.Tech. M.Tech.	Assistant Professor	Fluid Mechanics	02	NIL

5	Ms. Niharika Dutt	B.Tech. M.Tech.	Assistant Professor	Mass Transfer Operation	02	NIL
6	Ms. Priyanka Agarwal	B.Tech. M.Tech.	Assistant Professor	Process Calculation	01	NIL
7	Mr. Rahul Garg	B.Tech. M.Tech.	Assistant Professor	Transport Phenomenon	02	NIL
8	Mr. Chetan Kumar Garg	B.Tech. M.Tech.	Assistant Professor	Environmental Engineering	02	NIL
9	Ms. Roopa Gera	B.Tech. M.Tech.	Assistant Professor	Heat Transfer	03	NIL
10	Mr. Vaibhav Kumar	B.Tech. M.Tech.	Assistant Professor	Computational fluid dynamics	01	NIL

11. List of senior visiting/ adjunct faculty : **02 (TWO)**

S. No.	Name of visiting Faculty	Affiliation with Designation	Experiences
1	Mr. Raman Talwar	Chief Executive Officer (CEO), Simulanis Solutions Private Limited, New Delhi, India	10 Years
2	Mr. Manish Kumar	Senior Engineering-Process, Samsung Engineering, Sector 142, Noida, Uttar Pradesh 201305	13 Years

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty : **NIL**

13. Student-Teacher Ratio (programme wise) : **15:01**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

S. No.	Nature of staff	Sanctioned	Filled
1	Technical Staff	01	01
2	Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D./ MPhil/ PG.

S. No.	Highest Qualification	Number of Faculty
1	Ph. D.	01
2	M.Tech.	09
3	B.Tech.	00

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received-**NIL**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received- **NIL**

18. Research Centre/ facility recognized by the University-

- Various virtual labs in collaboration with IIT Delhi under the scheme of MHRD, Govt. of India
- Process modelling & Simulation laboratory in association Simulanis Solution Pvt. Ltd., Delhi.

19. Publications:

S. No.	Name of Faculty	No. of Publication	Citation index	SNIP	SJR	IF	H index	Books/ Monograph
1	Ms. Niharika Dutt	01	00	0.65	0.19	0.35	00	00

20. Areas of consultancy and income generated: The details of consultancy is as follows:

Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)
Ms. Monika Srivastav, Dept. of Chemical Engg.	Sarvottam Institute of Technology and Management	Lab support	10000.00/ year

21. Faculty as members in National Committee/International Committee/ Professional Bodies: **NIL**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme

Percentage of students who have done in-house projects					
Course	2011-12	2012-13	2013-14	2014-15	2015-16
B.Tech.	100	100	100	100	100

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies- **NIL**

23. Awards/ Recognitions received by faculty and students.

S.No	Activity	Organization	Faculty Name	Session
1	Best Faculty award	NIET, Greater Noida	Ms. Monika Srivastava	2013-14
2	Best Faculty award	NIET, Greater Noida	Ms. Roopa Gera	2013-14
3	QIP: Symposium on Paints	The society for surface protective coatings India, Mumbai	Mr. Rahul Garg	2014-15
4	Technical Training on Modelling & Simulation of Refinery Process	Simulanis Solutions Pvt Ltd., New Delhi	Mr. Saurabh Yadav	2014-15
5	FDP on Intellectual Property Rights	India Juris, New Delhi	Mr. Monika Srivastava	2014-15
6	FDP on Intellectual Property Rights	India Juris, New Delhi	Ms. Priyanka	2014-15
7	FDP on Intellectual Property Rights	India Juris, New Delhi	Mr. Rahul Garg	2014-15
8	FDP on Intellectual Property Rights	India Juris, New Delhi	Ms. Niharika Dutt	2014-15
9	FDP on Intellectual Property Rights	India Juris, New Delhi	Mr. Krishanu Saha	2014-15
10	Technical Training on Modelling & Simulation	Simulanis Solutions Pvt Ltd., New Delhi	Mr. Krishanu Saha	2014-15
11	International Conference	CHEMCON 2014	Mr. Saurabh Yadav	2014-2015
12	Technical Training on Modelling & Simulation	Simulanis Solutions Pvt Ltd., New Delhi	Mr. Rahul Garg	2015-16
13	Technical Training on Modelling & Simulation	Simulanis Solutions Pvt Ltd., New Delhi	Mr. Saurabh Yadav	2015-16
14	Workshop on Internet of things	PTC	Ms. Niharika Dutt	2015-16
15	Workshop on Communication skills on ICT	NITTTR, Chandigarh	Ms. Niharika Dutt	2015-16

b. Students:

S. No.	Name of Student	Name of Award	Year	Agency
1	Ms. Shweta Singh	13th rank in University	2014	UPTU, Lucknow
2	Mr. Ram Kumar	National award in sports	2015	Jaipuria Institute of Management, Ghaziabad
3	Amit Kumar Singh	19th rank in University	2015	AKTU, Lucknow
4	Ms. Khushboo	Topper (Dr. OP Agarwal Award)	2015	NIET, Greater Noida
5	Kritika Gautam	Topper (Dr. OP Agarwal Award)	2015	NIET, Greater Noida
6	Deepak Kumar	Topper (Dr. Sarojini Agarwal Award)	2016	NIET, Greater Noida

24. List of eminent academicians and scientists / visitors to the department

S. No.	Name of Academicians/Scientists/Visitors with designation	Affiliation	Purpose	Year
1	Mr. Dharendra Dubey	Lead Process design Engineer (General Manager Core Process Engineering), Reliance Industries Limited, Core Process Engineering Group, Navi Mumbai	Guest Lecture	2013-14
2	Mr. Raman Talwar	Chief Executive Officer (CEO), Simulanis Solutions Private Limited, New Delhi, India	Workshop	2014-15
3	Mr. Neeraj Chauhan	Process Engineer, Simulanis Solutions Private Limited, New Delhi, India	Workshop	2014-15
4	Mr. Raman Talwar	Chief Executive Officer (CEO), Simulanis Solutions Private Limited, New Delhi, India	Workshop	2015-16
5	Mr. Manish Kumar	Senior Process Engineering, Bechtel India Pvt. Ltd., Sector 20, Gurgaon, Haryana 122015	Guest Lecture	2015-16

25. Seminars/ Conferences/ Workshops organized & the source of funding

S. No.	Name of Seminar/Conference/ Workshop	National/International	Date	Funding agency
1	FDP on Communication Skills through ICT	National	July 20-24, 2015	NITTR, Chandigarh

2	Workshop on process Modeling & Simulation	National	July 15-26, 2015	Simulanis Solutions Pvt. Ltd., Delhi
3	Workshop on process Modeling & Simulation	National	June 06-16, 2016	Simulanis Solutions Pvt. Ltd., Delhi
4	Workshop on Virtual Lab	National	August 23, 2016	IIT Delhi

26. Student profile programme/ course wise:

Name of Course/ Programme		Applications received for admission*	Selected	Enrolled		Pass Percentage
				M	F	
UG	Session 2016-2017	By AKTU Lucknow (formerly UPTU Lucknow)	25	20	05	-
	Session 2015-2016		40	37	03	-
	Session 2014-2015		27	20	07	-
	Session 2013-2014		23	21	02	-

*M=Male *F=Female

27. Diversity of Students

Name of Course/ Programme		% of Students from same state	% of Students from other states	% of Student from abroad
UG	Session 2015-2016	80	20	NIL
	Session 2014-2015	72	28	NIL
	Session 2013-2014	67	33	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S. No.	Year (Session)	Examination Qualified	No. of students qualified
1	2015-16	GATE	00
2	2014-15	GATE	04
3	2013-14	GATE	02
4	2014-15	Govt. services	01
5	2014-15	PSU	01

29. Student progression in last three years

Student progression	Against % Enrolled		
	2015-16	2014-15	2013-14
UG to PG	7.5	6.4	NIL
PG to M.Phil.	NA	NA	NA
PG to Ph.D.	NA	NA	NA
Ph.D to Post-Doctoral	NA	NA	NA

Employed			
c. Campus Selection	53	39	36
d. Other than campus recruitment	10	8	8
Entrepreneurship/ Self-employment	01	00	00

30. Details of Infrastructural facilities

c) Library:

Central Library has 59 Titles, 776 Volume of books

Department also has its own library having more than 100 books

b) Internet facilities for staff and students

Internet facility is provided to all Staff members and students through Campus wifi, Reliance Jio hotspot and a leased line of 110 Mbps.

c) Total number of class rooms

B.Tech. – 03 class rooms equipped with multimedia projector.

d) Students' laboratories

Number of Labs: 06

31. Number of students receiving financial assistance from college, university, Government or other agencies -

S. No.	Agencies	Number of Students		
	College/ University/ Govt.	2013-14	2014-15	2015-16
1	Social Welfare Department, Govt. of Uttar Pradesh	28	29	10

32. Details on student enrichment programmes (special lectures/ workshops/ Seminar) with external experts

S. No.	Students Enrichment Programmes (Lectures/Workshop/Seminar/Industrial Visit)	Activity Detail	Session (Year)
1	Seminar	Application of Process Engineering & Basics of Process Design in Industry delivered by Mr. Dharendra Dubey, Senior Process Engineer	2013-14
2	Seminar	Seminar on Soft Skills by Mr. Raman Batra, EVP, NIET, Greater Noida	2013-14
3	Workshop	Skill development Programme organized by PFS, NIET Greater Noida in association with Simulanis Solution Pvt. Ltd., New Delhi.	2014-15
4	Guest lecture	Process & Plant Design Industries	2014-15

5	Tie-Ups	NIET, Greater Noida tied up with “Mersion Programme”	2015-16
6	Seminar	Short term courses with foreign universities	2015-16
7	Seminar	Campus Commune Connect Session by TCS	2015-16
8	Workshop	Skill development Programme organized by PFS, NIET Greater Noida in association with Simulanis Solution Pvt. Ltd., New Delhi.	2015-16
9	Guest Lecture	Careers at Indian Air Force delivered by Wing Commander AMS Joseph, Jt. Director	2016-17
10	Industrial Visit	Barclays, Noida	2016-17
11	Lecture	India Navy	2016-17

33. Teaching methods adopted to improve student learning:

Various activities and programmes are organized

a) Campus Wide Quality Improvement Program(CWQIP)

- Use of LCD Projectors to show videos and PPTs
- Use of NPTEL lectures
- Practical Based Learning
- Students advisory committee
- Project based Learning
- CDC activities

b) Total Students Development Programme (TSDP)

Different activities are organized under this programme

- Guest/Expert Lectures
- Workshop/ Conferences
- Skill development programs
- Training in Industry supported labs
- Training on Aptitude and HR Skills
- Technical Quiz /Competition
- Mentor-Mentee policy

c) Weak Student Development Programme (WSDP)

- Remedial Classes
- Peer adoption policy

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Following activities were carried out in college campus with respect to social and healthy living of human beings.

1. The Rainbow School

The Rainbow School provides education to the children of the construction workers in the vicinity. Apart from academics these children are also imparted vocational training. NIET provides Free Education, Books & Stationery, and Uniform & Mid-day Meals to needy people of our society.

2. Self Defense Training

To prepare girl students of our department to fight against crimes, a course focusing on the holistic development and training, in collaboration with NGO

Aseem Nari Shakti is undertaken that teaches them various tactics of self defense.

3. Tree plantation

The primary purpose of this activity is to imbibe among the staff and students of our department, the importance of a green and healthy surrounding in a rapidly growing concrete jungle.

4. Adoption of a Village

NIET adopted village Navada and familiarized villagers to technology, a tribute to Dr APJ Abdul Kalam on his birthday. Students of the department actively participated various educational drive and awareness camps.

5. Swachh NIET Abhiyan

The green gold society of NIET has organized a swachh NIET Abhiyan on 1st October 2016 in the concept of Swachh Bharat Abhiyan. During this event faculty and students of our department took initiative regarding cleanliness and its maintenance in the campus and nearby places.

6. Holistic Activity

A talk on “Technical Education in the Light of Universal Values” organized by the Sahaj Yog group in the department.

7. Healthy Living

Health Awareness Campaign against Diabetes.

TCS Fit4life-Campus Challenge: NIET organized “TCS Fit4life Campus Challenge” in association with TCS. TCS Fit4life Campus Challenge was a 5KM marathon where more than 3000 students across the engineering colleges in Delhi/NCR along with faculty members and TCS employees participated.

35. SWOC analysis of the department and Future plans

Strengths

- Quality intellectual capital
- Well equipped laboratories
- Industrial tie-ups & MOU's
- Department provides industrial oriented programs
- Academic tie-ups with leading chemical industries like BNB Coating India Ltd, Greater Noida, Envirta Sustainable Solution India Pvt. Ltd, Noida and Simulanis Solutions Pvt. Ltd., Delhi

Weaknesses

- Curriculum gap
- Less number of consultancy & extension activities
- Faculties with industrial experience are less in number
- No International academic tie-up's at departmental level

Opportunities

- Student exchange programmes with premier institutions and industries in India are possible

- Active Academic Tie up and collaboration with foreign universities for new generation courses

Challenges

- Curriculum gap with industry needs
- Updating faculty members on latest technologies
- Unpredictable and declining quality of students may exert pressure on the colleges

Future Plans

- To get NBA Accreditation
- To achieve “Centre of Excellence” in Paint Technology
- Ensuring placement for all eligible students and achieve 100% placement
- To get funded projects from Government funding agencies like DST, DBT, AICTE, etc.

3. Evaluative Report of the Departments

1. Name of the department: **Electrical & Electronics Engineering**
2. Year of Establishment: **2003**
3. Names of Programmes/ Courses offered (UG,PG,M.Phil.,Ph.D.,Integrated Masters; Integrated Ph.D.,etc.)

S. No.	Level UG/PG	Name of the Program	Specialization	Shift	Intake	Duration	Full Time/ Part Time
1	UG	B.Tech	Electrical & Electronics Engineering	I shift	180	4yrs	Full Time
2	UG	B.Tech	Electrical & Electronics Engineering	II shift	60	4yrs	Full Time
3	PG	M.Tech	Power Electronics	I	18	2yrs	Full Time

4. Names of Interdisciplinary courses and the departments/ units involved

S. No.	Name of Subjects	Subject Code	Name of the Department
1.	Mathematics	NAS-401	Applied Science & Humanities
2.	Industrial Psychology	NHU-401	MBA
3.	Thermal and Hydraulic Machines	NME-309	Mechanical Engg.
4.	Industrial Sociology	NHU-302	MBA
5.	Engineering Managerial Economics	NHU-501	MBA
6.	Industrial Management	NHU-601	MBA
7.	Soft Computing	NOE-031	CSE
8.	Cyber Security	AUC-002	CSE
9.	Human Values & Professional Ethics	AUC-001	Applied Science & Humanities
10.	OOPS & C++	NCS-039	CSE
11.	Engineering Maths –I / Engineering Maths -II	RAS-103 / RAS-203	Applied Science and Humanities
12.	Engineering Physics – I / Engineering Physics – II	RAS-101 / RAS-201	Applied Science and Humanities
13.	Elements of Mechanical Engg.	RME-101 / RME-201	Mechanical Engg.
14.	Professional Communication	RAS-204	Applied Science and Humanities
15.	Computer System and Programming in C	RCS-101	CSE

16.	Basic Electronics	REC-101 / REC-201	ECE
17.	Engineering Chemistry	RAS-102 / RAS-202	Applied Science and Humanities

5. Annual/semester/ choice based credit system (programme wise)

Semester Based Credit System (CBCS)

6. Participation of the department in the courses offered by other departments

S.No.	Name of Subject	Subject Code	Name of the Department
1.	Electrical Engineering	NEE-101/201	All B.Tech Branches
2	Electrical M/C & Automatic Controls	NEE-309	ME Dept.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

S. No.	Course	Industry	Number of students benefitted (last 3 years)
1	Electrical Transmission and Distribution	NPTI, Faridabad	72
2	Advanced Embedded System	IOTA Cell, Bengaluru	36
3	Japanese Language Training	Japan Foundation	17

8. Details of courses/ programmes discontinued (if any) with reasons: *NIL*

9. Number of Teaching posts

Teaching posts	Sanctioned	Filled
Professors	47	01
AssociateProfessors		0
Asst.Professors		26

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. / Ph.D. / M. Phil. etc.,)

S.No	Name of Faculty	Highest Qualification	Designation	Specialization	No. of Years of Experience	No. of M.Tech/PhD guided in last 4 years
1	Dr. S. Gairola	Ph.D	Prof. & HOD	Power Electronics Machines & Drives	25	02 M.Tech
2	Anjali Gupta	Ph.D (P)	Assistant Professor	Power Systems	10	-
3	Rishi Singhal	M.Tech	Assistant Professor	VLSI Design	9	-
4	Anurag Verma	Ph.D (P)	Assistant Professor	Power Systems	13	01 M.Tech
5	Ratna Raju Ravela	M.Tech	Assistant Professor	Power & Industrial Drives	4	
6	Anil Kumar Jha	M.Tech	Assistant Professor	Control Systems	8	-
7	Mohammed Ahmad	M.Tech(P)	Assistant Professor	Power System & Drives	3.5	-
8	Kishore Kumar	M.Tech	Assistant Professor	Control Systems	7.5	-
9	Dharmendra Kumar	M.Tech	Assistant Professor	Power Systems	7	-
10	Sudhanshu Kumar	M.Tech	Assistant Professor	Electronics & Communications	5	-
11	Ragini Malviya	M.Tech	Assistant Professor	Control & Instrumentation	10	-
12	Ashish Agarwal	M.Tech	Assistant Professor	Industrial System & Drives	3	-
13	Sitaram Jana	M.Tech	Assistant Professor	Power System Management	4	-
14	Vandana (on ML)	M.Tech	Assistant Professor	Power System	1.5	-
15	Amit Kr Tripathi	M.Tech	Assistant Professor	VLSI Design	12	-
16	Vikas Singh	M.Tech	Assistant Professor	Power Systems	9	-
17	Mohd. Ehtesham	M.Tech	Assistant Professor	Control Systems	4	-
18	Ajay Singh	M.Tech	Assistant Professor	Power Systems	4	-

19	Ranjit Singh	M.Tech	Assistant Professor	Power Electronics	2	-
20	Monika Kharb (on ML)	M.Tech	Assistant Professor	Power Systems	1	-
21	Neha Jain	M.Tech.	Assistant Professor	Control System	3	-
22	Neha Sahu	M.Tech.	Assistant Professor	Inst. And Control	4.5	-
23	Rohit Gupta	M.Tech.	Assistant Professor	Control System	4	-
24	Himanshu	M.Tech.	Assistant Professor	Power System	4	-
25	Manoj Kumar	M.Tech.	Assistant Professor	Control & Instrumentation	5	-
26	M. Hari	M.Tech.	Assistant Professor	Power Electronics	-	-
27	Abhishek Yadav	M.Tech.	Assistant Professor	Power Electronics	-	-

(P) – Pursuing

11. List of visiting/ adjunct faculty

S.No	Name of Faculty	Designation	Affiliation	Experience (years)
1	Bhupendra Kumar	Manager	HCL Technologies, NOIDA	9
2	Sunil Kumar	Founder	Online Edu Company, Kota	5
3	Manoj Sharma	Executive	ST Microelectronics	18
4	R Sasikanth	Board Member	Startup Noida	25
5	Vijay Rastogi	Director	Sisoft Technologies Pvt Ltd	25
6	Pankaj Thathi	DGM	Dangote Industries Limited	20
7	Kesar Hafeez	M.D.	Engineer's Zone, New Delhi	20
8	Arvind Ranjan	Engr.	Intercall Limited, Mumbai	19
9	Gaurav Gupta	Director	Enertia Sun Power Pvt. Ltd.	5

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student-Teacher Ratio (programme wise)

B.Tech	18.5:1
M.Tech	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

S. No.	Staff	Sanctioned	Filled
1	Technical Staff	7	7
2	Administrative Staff	2	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:
Refer Table 10 for names

S.No.	Highest Qualification	Number
1	Ph.D,	01
2.	M.Tech,	27
3	B.Tech	NIL

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

a) National

S. No.	Ongoing Project	Funding Agency	National/ International
1	Roof-top Solar Power Plant Design at MSY Medical College Meerut and NIET, G. Noida	Enertia Sun Power Pvt. Ltd.	National

b) International funding agencies and grants received: *NIL*

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: *NIL*

18. Research Centre /facility recognized by the University: *NIL*

19. Publications:

No. of Publications	Citation Index of Dept Faculty	SNIP	SJR	Impact Factor	h-index	i10 index	Books/ Monographs
58	406	1.701	-	28	9	9	04

20. Areas of consultancy and income generated: The details of consultancy is as follows:

Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)
1. Dr. Sanjay Gairola, Dept. of Electrical & Electronics Engg	Sangal Paper Ltd	Electrical Energy Audit of Paper Mill	40000.00
2. Dr Sanjay Gairola, Dept. of Electrical & Electronics Engg	Enertia Sun Power Pvt Ltd	Roof-top Solar Power Plant Design	80000.00

3. Dr. Sanjay Gairola	Enertia Sun Power Pvt Ltd	Design of Roof-Top Solar Power Plant for MSY Medial College Lalpur, Meerut	50000.00
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21. Faculty as members in

S. No.	Name of Faculty	Member in	National/International/Editorial Board, Professional Bodies
1	Dr. S. Gairola	Editor in Chief	NIET Journal of Engineering & Technology
2	A. K. Tripathi	Editing Team Member	NIET Journal of Engineering & Technology
3	Sudhanshu Kumar	Editing Team Member	NIET Journal of Engineering & Technology
4	Dr. S. Gairola	BOS member of AKTU, Electrical Engineering	Board of Studies, AKTU, Lucknow
5	Dr. S. Gairola	Reviewer Committee	Reviewer for IEEE Journal, (International Journal of Industrial Electronics, Power Electronics)

22. Student projects

Level (UG/PG)	Percentage of students who have done project					
	In-House			Industry		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
UG	100%	100%	100%	5.7	4.5	4.8
PG	100%	100%	100%	Nil	Nil	Nil

23. Awards / Recognitions received by faculty and students

S. No.	Name of Faculty/Student	Name of Award	Year	Agency
1	Dr. S. Gairola	Certificate of appreciation from Rashtriya Shikshak Mahasangh, UP	2016	Rashtriya Shikshak Mahasangh, UP
2	Dr. S. Gairola	Best Teacher Award	2011	NIET, Greater Noida
3	Dr. S. Gairola	Innovative Research Award	2009	Indian National Academy of Engineers
4	Disha Dwivedi,	Shri Chandra Sen Agarwal Award-2016	2016	NIET, Greater Noida
5	Himanshu Prajapati,	Shri Chandra Sen Agarwal Award-2016	2016	NIET, Greater Noida

6	Vikas Patel	Shri Chandra Sen Agarwal Award-2016	2015	NIET, Greater Noida
7	Aditya Kumar Jaiswal	Shri Chandra Sen Agarwal Award-2016	2015	NIET, Greater Noida

24. List of eminent academicians and scientists / visitors to the department

S. No.	Name of Academicians / Scientists / Visitors	Affiliation	Purpose	Year
1	Dr. S. D. Joshi	IIT Delhi	Guest Lecture	15 Nov. 2013
2	Mr. Hardeep Singh Gill	Spectrum Infogain Services, Noida	Workshop	Held on 29 Sep. 2014, 10 Oct. 2014, 11 Oct. 2014
3	Mr. Atul Rajput	CETPA Infotech Pvt. Ltd., Gr. Noida	Workshop	13 Feb., 2015
4	Mr. Piyush Upadhyay	SOFCON India Pvt.Ltd.	Workshop	2 – 4 March, 2015
5	Prof. G. Bhuvaneswari	IIT Delhi	Guest Lecture	28 Feb., 2014.
6	Prof. Zaheeruddin	Jamia Milia Islamia	FDP	24 Dec., 2014
7	Ms. Vatsala Sharma, Mr. Mahendra Singh	NPTI, Faridabad	Guest Lecture	19 -21 August, 2016
8	Anoop Kr. Pandey, Jitendra Kumar	DesignTech Systems Ltd.	Workshop	17 Sept., 2016
9	Ms. Ritula Thakur	NITTTR, Chandigarh	STC	02 - 06May, 2016
10	Ms. Shimi	NITTTR, Chandigarh	STC	11 -15 Jan, 2016

25. Seminars/ Conferences/ Workshops organized & the source of funding

S. No.	Seminars/Conferences/ Workshops	International/ National/ Institutional	Date	Funding Agency
1	Embedded Systems Workshop	Institutional	16 June and 15 July, 2016	NIET
2	Three day workshop on Electrical Transmission and Distribution by National Power Training Institute (NPTI)	National	19 -21 August, 2016	NIET
3	ICT based Short Term Course on MATLAB and its Hardware Interface	National	11 -15 Jan, 2016	NITTTR, Chandigarh
4	ICT based Short Term Course on Embedded C Programming of Microcontrollers	National	02- 06May, 2016	NITTTR, Chandigarh

26. Student profile programme/course wise:

Name of Course / Programme		Applications received for admission*	Selected	Enrolled		Pass percentage
				M	F	
UG	Session 2016-17	By AKTU Lucknow (formerly UPTU Lucknow)	173	156	17	-
	Session 2015-16		210	189	21	-
	Session 2014-15		110	97	13	-
	Session 2013-14		139	131	8	-
PG	Session 2015-16		0	0	0	-
	Session 2014-15		4	2	2	-

*Applications are received by the affiliating University for admission and the number of applications are not known for specific department / institute.

27. Diversity of admitted students

Name of Course / Programme		% of students from the same state	% of students from other States	% of students from abroad
UG	Session 2015-16	58.26 %	41.37 %	0
	Session 2014-15	60.9 %	39.1 %	0
	Session 2013-14	57.1 %	42.85 %	0
PG	Session 2015-16	3 students	1 student	0
	Session 2014-15	4 students	NIL	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.No	Year (Session)	Exam Qualified NET, SLET, GATE, Civil services, Defense services, GMAT	No. of Students Qualified
1	2015-16	GATE	5
	2014-15		6
	2013-14		7
2	2013-14	Defense services	University Entry Scheme – 6
	2014-15		01 Indian Navy 01 Indian Air Force 01 Indian Army
	2015-16		University Entry Scheme – 16 University Entry Scheme – 17

29. Student progression

Student progression (%)	Against % enrolled		
	2013-14	2014-15	2015-16
UG to PG	02	03	02
PG to M.Phil.	-	-	-
PG to Ph.D.	-	-	-
Ph.D. to Post-Doctoral	-	-	-
Employed			
•Campus selection	50	63	49
•Other than campus recruitment	-	-	-
Entrepreneurship/ Self-employment	01	-	-

30. Details of Infrastructural facilities

- a) **Central Library** has 498 Titles and 6914 volume of books
- b) **Internet facilities** for staff and students
 Staff - Internet facility is provided to all Staff members through Campus WiFi
 Reliance Jio hotspot and Lease line of 110 mbps
 Students - Campus wide Wi-Fi connectivity
- c) **Total number of class rooms**
 EN – 12 Class Rooms with Multimedia Projector in each class room
- d) **Class rooms with ICT facility**
 1. Dept. Seminar hall is equipped with Audio & Visual facility
 2. All Student Class rooms have provision of Multimedia Projector Facility
- e) **Student Laboratories:** 8 Electrical Engg. Labs
 2 Labs having 15 computers each

All labs are CCTV covered and equipped with Air conditioners, Multimedia Projectors and white marker boards. These labs are used for Advanced Networking Lab, programming Lab, Operating Systems Lab, RDBMS Lab, Graphics Lab, Project Lab, Web Technology Lab, Programming Lab, PC Lab.

31. Number of students receiving financial assistance from college, university, Government or other agencies

S. No.	Agency/College/Univ/Govt	No. of Students		
		2013-14	2014-15	2015-16
1	Social Welfare Department	102	163	456
2	Scholarship / GATE Fellowship	4	4	0
3	Financial Assistance by NIET	6	0	0

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:

S. No.	Seminars/Conferences/Workshops	Date
1	A Seminar on Variable Frequency Induction Motor Drives	28 Feb. 2014
2	A Workshop on MATLAB & genetic algorithms for electrical engineers	5 April, 2014
3	Training on Embedded systems	16 June and 15 July, 2011
4	A Seminar on Signals and Systems and Random Processes	15 Nov., 2013
5	One day workshop on PLC / SCADA by Spectrum Infogain Services	29 Sep. 2014, 10 Oct. 2014, 11 Oct. 2014
6	Three day workshop on Electrical Transmission and Distribution by National Power Training Institute (NPTI)	19-21 August, 2016
7	One day workshop on MATLAB Technologies by DesignTech Systems Ltd.	17 Sep., 2016

33. Teaching methods adopted to improve student learning
Various activities and programmes are organized for improving student learning, as follows:

- **Campus Wide Quality Improvement Program (CWQIP)**

- Use of LCD Projectors to show videos and PPTs.
- MOOCs is used
- Use of NPTEL lectures
- Practical Based Learning
- Students advisory committee
- Project based Learning
- CDC activities
- ICT based learning is practiced

- **Total Students Development Programme (TSDP)**

Different activities are organized under this programme

- Guest/Expert Lectures
- Workshop/Conferences
- Skill development programs
- Training on Industry supported labs
- Training on Aptitude and HR Skills
- Technical Quiz/Competition
- Mentor-Mentee policy
- Paper presentation activities by students
- Topics taught beyond syllabus

- **Weak Student Development Programme (WSDP)**
 - Special Classes are organized for the Weak students
 - Extra Classes are organized for the Weak students
 - Peer adoption policy
 - Besides Blackboard and chalk teaching, audio visual aids are extensively used
 - All the faculty members additionally teach through power point presentations and videos.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
The department members have participated in:

1. The Rainbow School

The Rainbow School provides education to the children of the construction workers in the vicinity. Apart from academics these children are also imparted vocational training. NIET provides Free Education, Books & Stationary, Uniform & Mid-day Meals to needy people of our society.

2. Self Defense Training

To prepare girl students of NIET, to fight against crimes, a course focusing on the holistic development and training, in collaboration with NGO Aseem Nari Shakti is undertaken that teaches them various tactics of self defense.

3. Tree Plantation

The primary purpose of this activity is to imbibe in the staff and students, the importance of a green and healthy surrounding in a rapidly growing concrete jungle.

4. Project Swabhiman

NIET has become Academic Partner of Project Swabhiman: Employability & Entrepreneurship Development through skilling by SHIKHAR organization for social development. It focuses on enhancing the employability skills of youth by imparting education, life skills and vocational training.

5. Adoption of a Village

NIET adopted village Navada and familiarized villagers to technology, a tribute to Dr APJ Abdul Kalam on his birthday. The department students are playing active role in educating its people.

6. Swachh NIET Abhiyan

The green gold society of NIET has organized a swachh NIET abhiyan on 1st October 2016 on the concept of Swachh Bharat Abhiyan. During this event faculty and students took initiative regarding cleanliness and its maintenance in the campus and near by places.

7. Holistic Activity

A talk on “Technical Education in the Light of Universal Values” organized by the Sahaj Yog group in the Institute.

8. Healthy Living

TCS Fit4life - Campus Challenge: NIET organized “TCS Fit4life Campus Challenge” in association with TCS. TCS Fit4life Campus Challenge was a 5 KM marathon where more than 3000 students across the engineering colleges in Delhi/NCR along with faculty members and TCS employees participated.

35. SWOC analysis of the department and Future plans

Strength

- Well qualified and experienced faculty members; having good academic exposure
- Quality research work being undertaken by the faculty members pursuing their Ph.D
- Research Papers are regularly published by faculty and students
- Quality projects are undertaken by students of B. Tech and M. Tech

Weakness

- Curriculum Gap in university syllabus and industrial needs
- Consultancy and extension activities
- The availability of Faculty with industrial exposure is scarce
- Placements of students in core sector are declining and need special attention

Opportunities

- Student's projects / internship are to be encouraged in industries from 2nd year
- Innovation in teaching – learning process is possible through the involvement of industrial experts
- Skill development modules are being planned in collaboration with external agencies
- Students' participation in club activities, intercollegiate competitions

Challenges

- The attractive employment opportunities for students is lacking in core sector
- Private Universities in Neighbourhood
- Rapid changes in technology are leading to ever increasing gap between available academic curriculum & industrial requirements

Future Plans

- The department is planning for National Board of Accreditation
- Non-renewable energy resources based consultancy projects are planned with NIET-TBI
- Preparing the students for GATE

3. Evaluative Report of the Departments

1. Name of the Department: **Civil Engineering**
2. Year of Establishment: **2008**
3. Names of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

S.N.	Level (UG/PG)	Name of the Programme	Specialization	Shift	Intake	Duration	Full Time / Part Time
1	UG	B. Tech.	Civil Engg.	Ist	180	4 year	Full Time

4. Names of Interdisciplinary courses and the departments/ units involved

S.N.	Name of Course	Subject Code	Department
1	Engg. Mathematics-I	RAS-103	Applied Science
2	Basic Electronics	REC-101	Electronics & Communication Engg.
3	Engg. Chemistry	RAS-202	Applied Science
4	Basic Electrical Engg.	REE-101	Electrical and Electronics Engg.
5	Engg. Physics-I	RAS-101	Applied Science
6	Engg. Mathematics-II	RAS-203	Applied Science
7	Professional Communication	RAS-204	English
8	Computer System and Programming in C	RCS-101	Computer Science Engg.
9	Engg. Physics-II	RAS-201	Applied Science
10	Element of Mechanical Engg.	RME-201	Mechanical Engg
11	Engg. Physics Lab	RAS-151	Applied Science
12	Basic Electrical Engg Lab	REE-151	Electrical and Electronics Engg.
13	Professional Communication Lab	RAS -154	English
14	Workshop Practice	RME-152	Mechanical Engg
15	Engg. Chemistry Lab	RAS-252	Applied Science
16	Elements of Mechanical Engg Lab	RME-251	Mechanical Engg
17	Computer Programming Lab	RCS-251	Computer Science Engg.
18	Computer Aided Engg. Graphics	RCE-251	Mechanical Engg
19	CBSNT Lab	NCE-455	Applied Science
20	Industrial Sociology	NHU-302	MBA
21	Mathematics III	NAS-401	Applied Science
22	Industrial Psychology	NHU-401	MBA
23	Human Values & Professional Ethics	AUC- 001	Mechanical Engg.
24	Cyber Security	AUC-002	Computer Science
25	Introduction to Soft Computing	NOE-301	Computer Science
26	Engineering & Managerial	EHU-501	MBA

	Economics		
27	Industrial Management	EHU-601	MBA
28	Entrepreneurship Development	EOE-071	MBA
29	Non-conventional Energy Resources	EOE- 082	Electronics and Communication Engg.

5. Annual/ semester/choice based credit system (programme wise):

Semester (Choice Based Credit System)

6. Participation of the department in the courses offered by other departments

S.N.	Subject	Subject Code	Department
1	Nil	Nil	Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S.N.	Year	Name of Course	Name of Industry	No. of Student Benefitted in Last 03 Years
1	2014-15	3D Printing and Prototyping	IOTA Cell, Bengaluru	42
2	2015-16	Application of Software in Civil Engineering	NIET , Greater Noida	50

8. Details of courses/ programmes discontinued (if any) with reasons: **Nil**

9. Number of teaching posts

Teaching Posts	Sanctioned	Filled
Professors	36	02
Associate Professors		00
Asst. Professors		16
Total		18

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./ Ph.D. / M. Phil. etc.)

S.N.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Tech. students guided in the last 4 years
1	Dr. Pande B.B Lal	Ph.D.	Professor & Director General	Water Resource Engineering	55	Phd= 06 M.Tech=14
2	Dr. Prashant Mukherjee	Ph.D.	Professor & Head	Geotechnical Engineering	12	M.Tech =6
3	Mr. Nitesh Kr. Verma	M.Tech.	Assistant Professor	Hydraulics	2	Nil
4	Mr. Umar Shahab Karimi	M.Tech.	Assistant Professor	Earthquake Engineering	1	Nil
5	Mrs. Sonali Agarwal	M.Tech.	Assistant Professor	Environmental Engineering	3	Nil
6	Mr. Rajesh Meena	M.Tech.	Assistant Professor	Environmental Engineering	1	Nil
7	Mahd Zia	M.Tech.	Assistant Professor	Environmental Engineering	7	Nil
8	Ms. Swati Verma	M.Tech.	Assistant Professor	Environmental Engineering	1	Nil
9	Mr. Lokesh Kachchhawa	M.Tech.	Assistant Professor	Environmental Engineering	1	Nil
10	Mr. Gaurav Tripathi	M.Tech.	Assistant Professor	Water Resource Engineering	2	Nil

11	Mr. Geetesh Malhotra	M.Tech.	Assistant Professor	Structural Engineering	1	Nil
12	Mr. Salman Hafeez	M.Tech.	Assistant Professor	Transportation Engineering	2	Nil
13	Mr. Ashok Kumar Singh	M.Tech.	Assistant Professor	Transportation Engineering and Planning	1	Nil
14	Mr. Manvendra Singh	B.Tech.	Assistant Professor	Civil Engineering	5	Nil
15	Mr. Madnesh Kr. Dubey	B.Tech.	Assistant Professor	Civil Engineering	2	Nil
16	Mr. Deepak Nayak	B.Tech.	Assistant Professor	Civil Engineering	3	Nil
17	Mr. Siddharth Jain	B.Tech.	Assistant Professor	Civil Engineering	2	Nil
18	Mr. Nikhil Prakash	B.Tech.	Assistant Professor	Civil Engineering	1	Nil

11. List of senior visiting/ adjunct faculty: 11

S.N.	Name of Visiting Faculty	Affiliation	Experience
1	Mr. B. R. Sharma	Geeta Sharma Associates, Noida	36
2	Mr. Pravin K Ujjain	AR Inside, New Delhi	21
3	Mr. Ajay Kumar	AAVHI Group, Lucknow	21
4	Mr. Arun Amber	Freelance Consultant , New Delhi	20
5	Dr. Sushil Kumar	President, Claivalex, New Delhi	18
6	Mr. Manish Kumar	MSV International Inc.	16
7	Mr. C.B Raman	M/S Mspark Futuristic & Associate	15
8	Mr. Santosh Kumar	Petrofac Engineering Services (India) Pvt Ltd.	15
9	Mr. Mohd Khalid	CBRE South Asia Pvt	10
10	Mr. Samar Varshney	Piramal Fund Management Pvt Ltd	9
11	Mr. Rohit Kumar Soni	APEX ENVIROTECH PROJECTS, New Delhi	6

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **Nil**

13. Student-Teacher Ratio (programme wise): **20: 1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.N.	Staff	Sanctioned	Filled
1	Technical	05	04
2	Administrative Staff	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: As Point No.10

S.N.	Qualification	Numbers
1	Ph. D.	02
2	M. Tech.	11
3	B. Tech.	05

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S.N.	Project Ongoing	Funding Agency	National/International
1	Nil	Nil	Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**

18. Research Centre/ facility recognized by the University/ Facility recognized by the University

S.N.	Research Centre	Details
1	Nil	Nil

	Facility	Recognition given by university
1	Virtual Lab in collaboration with IIT Delhi	under MHRD Scheme
2	PTC Competence Centre	PTC University, USA

19. Publications:

No. of Publications	Citation Index	SNIP	SJR	Impact Factor	h-index	Books/Monographs
01	294	1.667	1.743	3.882	10	01/Nil

20. Areas of consultancy and income generated: The details of consultancy is as follows:

Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)
1. Department of Civil Engg.	MSY Medical College	Water testing	120000.00
2. Lokesh Kachchwa	Bigdrop	Bigdrop	30000.00
3. Dr N.R. Chandak, Dept of Civil Engg.	MSY Medical College	Design of structure	900000.00

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

S.N.	Name of Faculty	Member in	National/International/Editorial Board/Professional Bodies
1	Dr. Prashant Mukherjee	American Society of Civil Engineering	Associate Member
2	Dr. Prashant Mukherjee	Institution of Public Health Engineers, India	Member
3	Dr. Prashant Mukherjee	International Association of Hydrological Science, UK	Member

22. Student Projects:

Level (UG/PG)	Projects					
	In-house			Industry		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
UG	100%	100%	100%	Nil	Nil	Nil

22. Awards / Recognitions received by faculty and students :

(List of students who won the prizes in National Competitions)

S.N.	Name of	Name of Award	Year	Agency
1	Prashant Bhatt	Accurate Biz Quiz	2013-14	Accurate Group of Institutions, Gr. Noida
2	Sharooof Ahmed	Bridge Making	2013-14	IIMT, Gr. Noida
3	Prashant Bhatt	Shield Quiz	2013-14	IEEE, New Delhi
4	Sharooof Ahmed	Bridge Making	2013-14	NIET, Gr. Noida

5	Md. Amaan	Dr. OP Agarwal	2013-14	NIET, Gr. Noida
6	Md. Amaan	Quiz	2014-15	United Group of Institutions, Gr. Noida
7	Md. Amaan	Street Smart	2014-15	IEC Group of Institutions, Gr. Noida
8	Md. Amaan	Tech-Nirman	2014-15	IIMT, Gr. Noida
9	Sharooof Ahmed Md. Juned	Bridge Building	2014-15	GNIOT Group of Institutions, Gr. Noida
10	Anshuman	Dirt Robo Race	2014-15	NIET, Gr. Noida
11	Anshuman	Town Planning	2014-15	NIET, Gr. Noida
12	Anshuman Singh	Rock city	2015-16	NIET, Gr. Noida
		Aero modeling		NIET, Gr. Noida
		Modal exhibition		NIET, Gr. Noida
		Cricket		NIET, Gr. Noida
		Paper Presentation		NIET, Gr. Noida
13	Mohd. Amaan	Quiz	2015-16	Jamia Milia Islamia University, Delhi
				GNIOT, Greater Noida
				Sharda University,
				Galgotia College,
				IEC, Greater Noida
14	Akshay Bhatia	Boxing(62 kg)	2015-16	Self Defense Society of India (Regd.) New Delhi (National event)
15	Ankit Gupta	Bridge making	2015-16	NIET , Greater Noida
		Bridge making		Jamia Milia Islamia
16	Ashish Choudhary	Bridge making	2015-16	NIET , Greater Noida
		Bridge making		Jamia Milia Islamia
17	Anmol Rastogi and Avinash Yadav	Anveshan	2015-16	Agastya International Foundation New Delhi
18	Nihal Ahmed	Volley ball	2015-16	Jaipuria Institute, Sec.
19	Pravendra Singh	Cricket	2015-16	IMS Ghaziabad
20	Pravendra Singh Grawel	Cricket	2015-16	Galgotia, Gr. Noida

S.N.	Name of Acad./ Scientist/ Visitor/ Affiliation	Purpose	Year
1	Dr. Sarvesh Swarup	Guest Lecture	2013
2	Prof. Mehtab Alam	Guest Lecture	2014
3	Dr. Sarvesh Swarup	Guest Lecture	2015

4	Prof. Mehtab Alam	Guest Lecture	2016
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24. List of eminent academicians and scientists / visitors to the department:

25. Seminars/ Conferences/ Workshops organized & the source of funding

S.N	Seminar/ Conference/ Workshop	National / International	Date	Funding Agency
1	Amrapali Training and Development (workshop)	National	21 Sept. 2015 to 16 Oct. 2015	Amrapali, Noida
2	Construction of Flexible Pavement (workshop)	National	09 May to 13 May 2016	NITTTR Chandigarh

26. Student profile programme/ course wise:

Name of the Course/ Programme (Refer No. 4)	Applications Received for Admission	Selected	Enroll		Pass %	
			*M	*F		
UG	Session 2016-17	By AKTU Lucknow (formerly UPTU Lucknow) ¹	157	153	4	-
	Session 2015-16		232	224	8	
	Session 2014-15		186	178	8	-
	Session 2013-14		180	169	11	-

*M=Male *F=Female

¹Applications are received by the affiliating university for admission and the numbers of applications are not known for specific department/institute.

27. Diversity of admitted Student

Name of the Course/programme (Refer No. 4)	% of Students Same State	% of Student from Other States	% of Student from abroad	
UG	Session 2015-16	78	22	Nil
	Session 2014-15	76	24	Nil
	Session 2013-14	80	20	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.N.	Year (Session)	Exam Qualified (GATE/NET/Civil Services / Defense Services/GMAT)	No. of Students Qualified
1	2013-14	GATE	03
2	2014-15	GATE	05

3	2015-16	GATE	05
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29. Student progression

Student Progression	Against % Enrolled		
	2015-16	2014-15	2013-14
UG to PG	06	05	08
PG to M.Phil.	NA	NA	NA
PG to Ph.D.	NA	NA	NA
Ph.D to Post-Doctoral	NA	NA	NA
Employed			
•Campus selection	12	24	19
•Other than campus recruitment	12	13	16
Entrepreneurship/Self-	2	4	3

30. Details of infrastructural facilities

a) Library-

(i) **Central Library - 01**

Books of Civil Engineering: Titles: **142** Volumes: **7583**
Journals: 18

(ii) **Departmental Library - 01**

Books of Civil Engineering: Titles: **100** Volumes: **150**

b) Internet facilities is provide to all staff members and student through campus Wi-Fi, Reliance Jio hot spot and leased line of 110 mbps.

c) Class rooms with ICT facility- **09**

d) Laboratories

Odd Semester- **05**

Even Semester- **05**

31. Number of students receiving financial assistance from college, university, Government or other agencies:

S.N.	Year	No of Students Received Scholarship from Social Welfare Department	Financial Assistance by NIET
1	2013-2014	162	02
2	2014-2015	173	03
3	2015-2016	125	03

32. Details on student enrichment programmes (special lectures/ workshops/ Seminar) with external experts

Special Lectures	Workshops	Seminar	Conference
------------------	-----------	---------	------------

Project Management, Hoover Dam of USA, by Dr. Sarvesh Swarup on 17 Sept. 2013	Amrapali Training and Development, 21 Sept. 2015 to 16 Oct. 2015	Nil	Nil
Careers opportunities in real estate, construction and infrastructure, RICS, Amity University, Noida, on 26 Sept. 2016	Construction of Flexible Pavement by NITTTR Chandigarh, during 09 May to 13 May 2016	Nil	Nil
Townhall Meeting by Dr. Ashish Baheti, MD, Vectus Industries Ltd. on 09 Nov. 2016	Use of Software in Civil Engineering, by NIET, Civil Engg. Dept. during 06 June to 11 June 2016	Nil	Nil

33. Teaching methods adopted to improve student learning

(a) Campus Wide Quality Improvement Program (CWQIP)

- Use of LCD Projectors to show videos and PPTs.
- Use of NPTEL lectures
- Practical based learning
- Students advisory committee
- Project based Learning
- CDC activities

(b) Total Students Development Programme (TSDP)

- Different activities are organized under this programme
- Guest/Expert lectures
- Workshop / Conferences
- Skill development programmes
- Training in industry supported labs
- Training on aptitude and HR skills
- Technical quiz /Competition
- Mentor-Mentee policy
- Site visit

(c) Weak Student Development Programme (WSDP)

- Remedial classes was organized for the weak students
- Peer adoption policy

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

(a) Tree Plantation:

Green Gold Club (student club) was actively involved in plantation in the campus and outside the campus on 10th October 2015, 27th July 2016 and also on 15th August and 17th October (Founders day) in every year.

(b) Adoption of a Village:

The NIET college has adopted **Navada Village** to impart training to unskilled masons of the village. On occasion of birth anniversary of former president Dr. APJ Abdul Kalam, a seminar was organized on **Enhancing the Life of Rural**

People dated 15th October 2015.

(c) The Rainbow School:

Rainbow school provides education and vocational training to children of weaker construction worker. NIET provides free education, books; stationary, uniform and mid-day meal.

(d) Marathon:

TCS Fit4life organized a five km marathon in Greater Noida on 8th February 2015. In this event 3000 students had participated. The venue partner for the event was NIET Gr. Noida. Out of six prizes four were won by student of NIET.

(e) Self Defense Training:

A Training was organized with collaboration with NGO ASEEM NAARI SHAKTI, to prepare girls student of NIET, to fight against crime. It was a course to focus on the holistic development and training of various tactics of self-defense.

(f) Project Swabhiman:

NIET has become academic partner of “Project Swabhiman: employability, entrepreneurship development through skilling” launched by SIKHAR organization for social development. It focuses on enhancing the employability skills of youth by imparting education, life skills and vocational training.

(g) Swachh NIET Abhiyan:

College organized “SWACHH BHARAT KI AUR” and “SAFAI ABHIYAN” on 17th October 2015 and 1st October 2016 respectively through “NUKKAD NATAK”. During this event faculty and students took initiative regarding cleanliness and its maintenance in the campus and nearby places.

(h) Diabetes Campaign

College is also arranging diabetes campaign regularly.

(i) Sahaj Yoga

On 5th October 2015, A Seminar was organized by “SAHAJ YOG GROUP” on technical education and light of universal values.

35. SWOC analysis of the department and Future plans

Strength of Department:

- Experienced faculty members with Doctoral and Post Graduate qualification.
- Well-equipped laboratories
- Training program organized on latest software

Weaknesses of Department:

- Weak retention ratio of faculty members due to availability of jobs in Government and Public sectors.

Opportunities:

- Contribution of technical domain through affordable housing scheme by Government of India.
- Research and consultancy

Challenges:

- Decline in infrastructure sector
- Competition posed by private university

Future Plan:

- To go for NBA Accreditation
- Centre of excellence in the field of Structural Design.

3. Evaluative Report of the Departments

1. Name of the department: **Master of Business Administration (MBA)**

2. Year of establishment: **2004**

3. Name of Programmes/ Courses offered:

S No	Level	Name of the Program	Specialization	Shift	Intake	Duration	Full Time/ Part Time
1	PG	MBA	Marketing, Finance, HR, IT, IB, Rural Development	First	180	2 years	Full time

4. Name of Interdisciplinary courses and the departments/units involved:

Participation of other departments in MBA:

S No	Name of Course	Subject Code	Departments
1	Cyber Security	AUC002	MCA
2	Database Management Systems	NMBA IT 01	CSE
3	System Analysis & Design	NMBA IT 02	CSE
4	Data Communication & Networks	NMBA IT 03	CSE
5	Computer Applications & MIS	RMB 108	CSE
6	Business Statistics	RMB 104	Mathematics
7	Quantitative Techniques for Managers	RMB 207	Mathematics

5. Annual / semester/choice based credit system (programme wise): **Semester (CBCS)**

6. Participation of the department in the courses offered by other departments: **Yes**

Participation of MBA in other departments:

S No	Subject	Subject Code	Department
1	Accounting and Financial Management	RCA 102	MCA
2	Industrial Sociology	NHU 302	B. Tech. (ME, ECE, EN, CSE, IT, Biotech, Civil, CH)
3	Industrial Psychology	NHU 301	B. Tech. (ME, ECE, EN, CSE, IT, Biotech, Civil, CH)
4	Engineering Economics	NHU 501	B. Tech. (ME, ECE, EN, CSE, IT, Biotech, Civil, CH)

5	Industrial Management	NHU 601	B. Tech. (ME, ECE, EN, CSE, IT, Biotech, Civil, CH)
6	Human Values & Professional Ethics	AUC 001	B. Tech. (ME, ECE, EN, CSE, IT, Biotech, Civil, CH), MCA
7	Entrepreneurship Development	EOE 071	B.Tech. (ME, CE)
8	Total Quality Management	NOE 072	B.Tech. (BT)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

S No	Course	Industry	Number of Students benefitted in last 3 years
1	MBA	KPMG (Six Sigma Green Belt)	30
2	MBA	ICICI Direct Centre for Financial learning	60

8. Details of courses/programmes discontinued (if any) with reasons: **NIL**

9. Number of teaching posts

Teaching Posts	Sanctioned	Filed
Professor	24	1
Associate Professor		1
Assistant Professor		17

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.

S No	Name of Faculty	Qualification	Designation	Specialization	Teaching Exp.	No of PhD Guided in last 4 years
1	Dr Dileep Singh	PhD, MMS, B.Tech (Prod Engg)	Professor & HOD	Marketing & Operations	16 Years	NIL
2	Dr Gaurav Agarwal	PhD, ICSI, PGPM, UGC-NET, M.Com, B.Com	Associate Professor	Accounting and Finance	14 Years	1
3	Ms Ekta Singh	M.Com, MBA, PhD (Pursuing)	Assistant Professor	Accounting and Finance	13 Years	NIL
4	Mr Vijit Mittal	B.Com (Eco Hons), PGDMM, MBA, CFA, AMFI, LLB (Pursuing)	Assistant Professor	Accounting and Finance	11 Years	NIL

5	Mr Mayank Kumar Pandey	B.Com, MBA, PhD (Pursuing)	Assistant Professor	Marketing	9 Years	NIL
6	Mr Harsh Awasthi	MBA, UGC-NET, BCom	Assistant Professor	Accounting and Finance	11 Years	NIL
7	Mr Imran Ali	MBA, PGDM	Assistant Professor	Marketing	9 Years	NIL
8	Mr Gouri Shankar Sharma	MBA, UGC-NET, BBA	Assistant Professor	HRM	6 Years	NIL
9	Ms Swity Bhadana	MBA, BCA	Assistant Professor	HRM & Marketing Management	2 Years	NIL
10	Ms Smita Barik	MBA, BTech	Assistant Professor	HRM & Finance	3 Years	NIL
11	Ms Pavitra Satsangi	MBA, BTech	Assistant Professor	HRM	4 Years	NIL
12	Ms Pooja Tyagi	MBA, MA, M.Com, B.Com,	Assistant Professor	Marketing & Finance	5 Years	NIL
13	Ms Aarti Chawla Kansal	PGDM	Assistant Professor	Marketing	8 Years	NIL
14	Ms. Preeti Nagar	MBA	Assistant Professor	HRM	2 Years	NIL
15	Mr Amit Yadav	PGDM	Assistant Professor	Sales & Marketing	6 Years	NIL
16	Mr Manoj Kumar	MBA	Assistant Professor	HRM & Marketing Management	5 Year	NIL
17	Mr Vinod Kumar	PGDM	Assistant Professor	HRM	8 Years	NIL
18	Ms Srishti Srivastav	PGDM	Assistant Professor	HRM	6 Years	NIL
19	Ms Archana Raghav	MBA	Assistant Professor	HRM	9 Years	NIL

11. List of senior visiting/ adjunct faculty: **5**

S No	Name of visiting Faculty	Affiliation	Experience
1	Mr Amit Moja	Aviva Life Insurance Ltd	18
2	Prof. Usta M Amin	Jamia Milia Islamia	31
3	Mr. Amit Verma	Container Corporation of India Ltd.	13
4	Mr Vijay Pratap Singh	Dabur Ltd.	14
5	Mr Sanjay Arora	Groz Beckert	25

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student-Teacher Ratio (programme wise): **15:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S No	Staff	Sanctioned	Filled
1	Support Staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

S No	Qualification	Number
1	Ph D	2

16. Number of faculty with ongoing projects:

S No	Project Ongoing	Funding Agency	National / International
1	Feasibility Study of Solar Energy Utilization at MSY Medical College, Meerut & NIET, Greater Noida	Enertia Sun Power Pvt. Ltd.	National

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**

18. Research Centre/facility recognized by the University:

S No	Research Centre/Facility	Details
1	Pre-PhD Coursework	To conduct Pre-PhD Coursework offered by University (AKTU, Lucknow)

19. Publications:

Many of the faculty members have actively participated in various national and international conferences. Their research works are published in various national & international journals.

S No	No. of Publication	Av. Citation index	SNIP	SJR	IF	H index	Books/ Monograph
1	21	-	-	-	-	-	-

20. Areas of consultancy and income generated: The details of consultancy is as follows:

Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)
1. Dr Dileep Singh, Dept of Management Studies	Enertia Sun Power Pvt Ltd	Feasibility Study of Solar Energy Utilization	150000.00

21. Faculty as members in National/International/Editorial Board/ Professional Bodies

S No	Name of Faculty	Member in National/International/Editorial Board/ Professional Bodies
1	Dr Dileep Singh	Life Membership of Indian Society for Technical Education (ISTE)

		Editor-NIET Journal of Management
2	Dr Gaurav Aggarwal	Member of Institute of Company Secretaries of India
		Co-Editor-NIET Journal of Management
3	Mr Mayank Kumar Pandey	Assistant Editor-NIET Journal of Management

20. Student projects

Level UG/PG	Projects					
	In-House			Industry		
	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
PG	100%	100%	100%	NIL	NIL	NIL

23. Awards / Recognitions received by faculty and students: **Yes**

(a) Awards / Recognitions received by faculty

Our Faculty is awarded with Cash Prize for producing results (from 95% to 100%) in end semester examination. The following data shows the details of faculty achievements for the past 4 years.

S No	Name of Faculty	Designation	Details of Awards/ Certificate Received	Year	Agency
1	Dr Dileep Singh	Prof & Head	Best Faculty Award	2014	NIET. Gr. Noida
			Six Sigma Green Belt Training	2013	KPMG
2	Dr Gaurav Aggarwal	Asso. Prof.	UGC- NET	2014	UGC
			ICSI June	2013	ICSI
			Stock Market Pro	2016	ICICI Direct Centre for Financial Learning
3	Mr Harsh Awasthi	Asst.Prof	Best Faculty Award	2014	NIET, Gr. Noida
			UGC-NET	2012	UGC
			Six Sigma Green Belt Training	2013	KPMG
			Stock Market Pro	2016	ICICI Direct Centre for Financial Learning
4	Mr Imran Ali	Asst.Prof.	Best Faculty Award	2014	NIET, Gr. Noida
5	Mr Gouri Shankar Sharma	Asst.Prof.	UGC-NET	2012	UGC
6	Mr Vijit Mittal	Asst.Prof.	Six Sigma Green Belt Training	2013	KPMG

(b) Awards/ Recognitions received by students

Many of the students have participated in various certificate courses such as Six Sigma Green Belt Training by KPMG and Stock Market Pro certification by ICICI Direct Centre for Financial Learning at NIET and got certified.

S No	Number of Students	Name of Award	Year	Agency
1	30	Six Sigma Green Belt Training	2014	KPMG
2	30	Stock Market Pro	2015	ICICI Direct Centre for Financial Learning
3	30	Stock Market Pro	2016	ICICI Direct Centre for Financial Learning

- Students got cash awards from the Institution for holding Top ten position at university level and top three position at college level:
 - Rank within top 10 in University: Rs. 50,000/-
 - Year wise Topper of MBA : Rs. 10,000/-

Student Award List Academic Performance

S No	Session	Year	Roll. No.	Name of Student	Award	Amount
1	2015-2016	2 ND Year	1413370064	Mr Sugam Porwal	Sri Dayanand Gupta Award	Rs. 10,000/-
2		2 ND Year	1413370069	Ms Tressy	Sri Dayanand Gupta Award	Rs. 10,000/-
3		1 ST Year	1513370068	Ms Paridhi khera	Sri Dayanand Gupta Award	Rs. 10,000/-
4	2014-2015	2 ND Year	1313370127	Ms Supriya Kesri	Sri Dayanand Gupta Award	Rs. 10,000/-
5		1 ST Year	1413370069	Tressy	Sri Dayanand Gupta Award	Rs. 10,000/-
6	2013-2014	2 ND Year	1213370087	Ms Prachi	Sri Dayanand Gupta Award	Rs. 10,000/-
7		1 ST Year	1313370124	Ms Sugandha Tayal	Sri Dayanand Gupta Award	Rs. 10,000/-

24. List of eminent academicians and scientists/visitors to the department:

S. No.	Name of academicians/scientists/visitors	Affiliation	Purpose	Year
1	Mr Sameer Sikka	iAugmentor Labs Pvt Ltd	TEDx Meet up	2016
2	Mr Rajeev Parashar	AON Hewitt	TEDx Meet up	2016
3	Mr Kapil Gupta	OMlogics	TEDx Meet up	2016
4	Mr Gaurav Gupta	TED	TEDx Meet up	2016
5	Mr Pratik Marwah	iAugmentor Labs Pvt Ltd	TEDx Meet up	2016
6	Ms Namrata Gill Tyagi	Dr Reddy's Laboratories	Mentoring	2016

		Ltd		
7	Dr Rihan Khan Suri	Jamia Milia Islamia (Central University)	Mentoring	2016
8	Mr Sanjay Arora	Groz Beckert, German MNC	Mentoring	2016
9	Mr Yashasvi Goel	YL'S Academy	Workshop	2016
10	Ms Vidhu Chaudhary	Global Talent Track	Workshop	2016
11	Mr Sumit Garg	Shivalik Co-operative Bank Pvt Ltd	Expert lecture	2016
12	Dr Kanhya Singh	FORE School of Management	Guest lecture	2015
13	Dr D K Sharma	S S Associates	Motivational Lecture	2015
14	Prof U M Amin	Jamia Milia Islamia (Central University)	Guest Lecture	2015
15	Mr Vikas Kumar	Moti Lal Oswal Asset Management Co. Ltd	Expert Lecture	2014
16	Mr Prashant Verma	Advait Foundation	Holistic Development	2014
17	Dr Peeush Ranjan Agarwal	VBS Purvanchal University	Guest lecture	2014

25. Seminars/ Conferences/Workshops organized & the source of funding.

S No	Seminar/ Conference/Workshop	National/ International	Date	Funding Agency
1	VPG Stores Pvt. Ltd. (Workshop)	National	08/01/2016	NIET, Gr Noida
2	ICICI Prudential Life Insurance (Workshop)	National	03/02/2016	NIET, Gr Noida
3	ICICI Securities (Workshop)	National	09/02/2016	NIET, Gr Noida
4	Kotak Mahindra (Seminar)	National	12/02/2016	NIET, Gr Noida
5	Aditya Birla Group-Retail (Conference)	National	18/02/2016	NIET, Gr Noida
6	Motherson Molds & Diecasting Limited (Seminar)	National	28/02/2016	NIET, Gr Noida
7	Hinduja Leyland Finance Services Ltd (Workshop)	National	15/03/2016	NIET, Gr Noida
8	Shriram Transport Finance Company Limited (Workshop)	National	17/03/2016	NIET, Gr Noida
9	GROFERS.COM (Seminar)	National	02/06/2016	NIET, Gr

				Noida
10	Toluna India (Workshop)	National	07/06/2016	NIET, Gr Noida
11	Info Edge (I) Ltd. (Seminar)	National	13/10/2015	NIET, Gr Noida
12	Genpact (Seminar)	National	21/10/2015	NIET, Gr Noida
13	Religare (Workshop)	National	19/11/2015	NIET, Gr Noida
14	Lifecell International Pvt Ltd. (Workshop)	National	25/11/2015	NIET, Gr Noida
15	Airtel (Seminar)	National	08/05/2015	NIET, Gr Noida
16	Motherson Moulds & Diecasting Ltd (Seminar)	National	26/04/2015	NIET, Gr Noida
17	Axis Bank (Workshop)	National	16/03/2015	NIET, Gr Noida
18	Gyansha Infotech (Seminar)	National	12/03/2015	NIET, Gr Noida
19	ICICI Securities (Workshop)	National	20/02/2015	NIET, Gr Noida
20	VIP INDUSTRIES LIMITED (Conference)	National	10/02/2015	NIET, Gr Noida
21	Vodafone (Workshop)	National	24/11/2014	NIET, Gr Noida
22	ICICI Prudential Life Insurance (Seminar)	National	20/11/2014	NIET, Gr Noida
23	Policy Bazar (Workshop)	National	13/11/2014	NIET, Gr Noida
24	Black Rock (Workshop)	National	07/11/2014	NIET, Gr Noida
25	Genpact (Seminar)	National	05/11/2014	NIET, Gr Noida
26	Fidelity (Workshop)	National	18/10/2014	NIET, Gr Noida
27	Info Edge(I) Ltd (jeevansathi.com)	National	13/10/2014	NIET, Gr

	(Conference)			Noida
28	99acres.com (Seminar)	National	09/10/2014	NIET, Gr Noida
29	Kotak Mahindra Bank (Seminar)	National	02/05/2014	NIET, Gr Noida
30	HDFC Bank (Workshop)	National	20/02/2014	NIET, Gr Noida

26. Student profile programme/course wise:

Name of Course/ Programme (MBA)	Application Received for admission*	Selected	Enrolled Male	Enrolled Female	Pass Percentage
2016-2017	By AKTU Lucknow (Formerly UPTU Lucknow)	82	51	31	-
2015-2016		115	66	49	-
2014-2015		71	41	30	-
2013-2014		125	101	24	-

*Applications are received by the affiliating university for admission and the number of application are not known for specific department/institute.

27. Diversity of Students: Shown Department wise:

Name of Programme: MBA	% of Students from same state	% of Students from other state	% of Students from abroad
2015-2016	70	30	NIL
2014-2015	70	30	NIL
2013-2014	92	8	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

S No	Year (Session)	Exam Qualified	No. of Students Qualified
1	2013-14	NET/SLET/GATE/Civil Services/Defense Services/GMAT	NIL
2	2014-15		
3	2015-16		

29. Student progression:

Student Progression	Against Percentage Enrolled	2013-14	2014-15	2015-16
UG to PG	NA	NA	NA	NA
PG to M.Phil	NIL	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL	NIL
Ph. D. To Post Doctoral	NIL	NIL	NIL	NIL
Employed				
Campus Selection		85%	89%	96%
other than Campus Recruitment		9%	3-4%	2-3%
Entrepreneurship/Self Employment		NIL	7.0	NIL

30. Details of Infrastructural facilities

(a). Library

Department has its own library for students and faculty members for their reference having:

- No. of Books: 10109
- No. of Titles: 1382
- No. of Management Subscription Journal: 36
- No. of Magazine/ Newspaper: 14
- Flipboard
- ScoopWoop
- Inshortmobile
- AppAccess

(b) Internet facilities for staff and students

- 110 Mbps lease line
- Wi-fi & Reliance Jio Hotspot

(c) Total number of class rooms

- 5 Class Rooms with multimedia Projector.

(d) Class rooms with ICT facility

Department uses centralized facilities of Seminar hall and computer lab as per requirement.

(e) Group Discussion Room

31. Number of students receiving financial assistance from college, university, government or other agencies:

S No	Agency/ Government	College/ University/	No. of Students		
			2013-14	2014-15	2015-16
1	Social Welfare Department		26	41	45
2	College		1	83	10
3	University Funds		NIL	NIL	NIL

32. Details on student enrichment programmes (special lectures / workshops / seminar):

List of eminent academicians and scientists/visitors to the department:

S No	Name	Organization	Topic	Date
1	Mr Yashasvi Goel	YL'S Academy	Workshop on Personality Development	01/10/2016
2	Ms Vidhu Chaudhary	Global Talent Track	Workshop on Personality Development	01/10/2016
3	Ms Namrata Gill Tyagi	Dr Reddy's Laboratories Ltd	Accelerated Mentorship Program	29/09/2016
4	Dr Rihan Khan Suri	Green Circle Eduvision Ltd	Accelerated Mentorship Program	29/09/2016
5	Mr Sanjay Arora	Groz Beckert	Accelerated Mentorship Program	29/09/2016

6	Mr Sumit Garg	Shivalik Co-operative Bank Pvt Ltd	General HR Practices & Interview Skills	09/09/2016
7	Mr Deepak Jindal	Freelancer	Life Skills	18/11/2015
8	Mr Aditya Kalra	InfoEdge (I) Ltd	Modern HR Practices	20/10/2015
9	Dr. Hari Krishna Maram	Imperial College Banglore	India@2025	19/10/2015
10	Mr Aseem Kumar	Motherson Moulds & Diecasting Ltd	Opportunities for Freshers	29/04/2015
11	Dr Kanhya Singh	FORE School of Management	Banking Reforms in India	12/04/2015
12	Dr D K Sharma	S S Associates	Light the Fire in your Heart	13/02/2015
13	Mr Prashant Verma	Advait Foundation	Employability Skills	06/11/2014
14	Prof U M Amin	Jamia Milia Islamia, New Delhi	Holistic Marketing	22/08/2014
15	Dr Peeush Ranjan Agarwal	VBS Purvanchal University	FDI in Retail in India	05/04/2014
16	Ms Vineeta	LifeCell International Pvt Ltd	Marketing the Medical Service-Stemcell	20/02/2014
17	Mr Vikas Kumar	Moti Lal Oswal Asset Management Co.Ltd	Mutual Fund Industry in India	16/02/2014

33. Teaching methods adopted to improve student learning:

1. Campus Wide Quality Improvement Program (CWQIP):

Department extends the required infrastructure and facilities to enhance the quality of the students and strengthening the teaching learning process. These facilities include:

- Projector in each classroom
- White boards
- LAN connectivity
- Wi-fi connectivity
- Group Discussion Room
- Audio visual teaching
- NPTEL online classes

2. Total Student Development Program (TSDP):

For the holistic development of the MBA students under TSDP various activities are organized, which are following:

- **Guest Lectures:** Department regularly organizes guest lectures to enrich the learning of students. Industry experts and eminent academicians regularly visit for guest

lectures in the department.

- **Industry Visits:** To boost up the practical exposure, students go for the industrial visits. These industrial visits are arranged in various companies representing different industries like FMCG, Automobile, Retail industries etc.
- **Accelerated Mentorship Program:** Department has tied-up with eminent industry persons to escalate the level and scale of selected MBA students to create new benchmark in training & placement. Industry mentors regularly visit the department and conduct the training sessions.
- **Technical Mock Interviews:** Students are given exposure and trained through mock interviews by industry mentors and department faculty members to get them ready for the placement activities and making them more employable.
- **Beyond the Syllabus Topics Taught:** Faculty members teach the advanced topics in their concerned subjects which are not included in the university syllabus but are important to be taught in changing industry requirements.
- **KPMG Six Sigma Greenbelt Training:** Department has taken a step forward towards quality certifications that would help to get the students employed in the process based companies where quality management and maintenance becomes crucial. In past 30 students & 3 faculty members were trained for the Six-Sigma Green Belt certification by KPMG. This program is fully sponsored by NIET.
- **ICICI Direct Stock Market Pro Certification:** Students are certified in the finance domain by ICICI Direct against the ICICI Direct Stock Market Pro certification. This certification includes extensive lecture delivery and practical sessions by the ICICI Direct people, then examined and certificates are issued.
- In year 2015, 30 students and in year 2016, 30 students and 2 faculty members were awarded the ICICI Direct Stock Market Pro certification.
- **Co-curricular Activities:** Regular conduction of the co-curricular activities for the holistic development of the students are organized such as:
 - Case-study competition,
 - Panel discussion,
 - Presentation competition,
 - Research paper presentation,
 - Business-quiz,
 - Ad-mad show.

Students from other departments are also invited to participate in these co-curricular activities.

- **Mentor-Mentee Program:** Under Mentor-Mentee Program student are divided in groups and adopted by the faculty members, the mentors. Mentors help and support their mentees to overcome their difficulties during their studies.
- **Student Progress Report (SPR):** Every mentor prepares a SPR of each of its mentee containing the personal information, academic details such as sessional and end term examination marks, attendance etc.

3. Weak Student Development Program (WSDP):

For upgrading the weak students, identified on the basis of performance in the Sessional marks, department organizes extra classes in the evening. Apart from this mentors also take extra concern for the weak students and also counsel them.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

1. The Rainbow School

The Rainbow School provides education to the children of the construction workers in the vicinity. Apart from academics these children are also imparted vocational training. NIET provides Free Education, Books & Stationery, and Uniform & Mid-day Meals to needy people of our society. Department helps to explore the needy students under Rainbow School.

2. Self Defense Training

To prepare girl students of NIET, to fight against crimes, a course focusing on the holistic development and training, in collaboration with NGO Aseem Nari Shakti is undertaken that teaches them various tactics of self defense. Department encourages the female students to undergo these training classes.

3. Tree plantation

The primary purpose of this activity is to imbibe in the staff and students, the importance of a green and healthy surrounding in a rapidly growing concrete jungle. Faculty & students of MBA department actively participate in this social cause and plant the trees at NIET campus as well as on outdoor places.

4. Project Swabhiman

NIET has become Academic Partner of Project Swabhiman: Employability & Entrepreneurship Development through skilling by SHIKHAR organization for social development. It focuses on enhancing the employability skills of youth by imparting education, life skills and vocational training. MBA Students are motivated to take active part in these life skill & vocational training sessions.

5. Adoption of a Village

NIET adopted village Navada and familiarized villagers to technology, a tribute to Dr APJ Abdul Kalam on his birthday. Students along with faculty members visit the village for concerned issue.

6. Swachh NIET Abhiyan

The green gold society of NIET has organized a swachh NIET abhiyan on 1st October 2016 in the concept of Swachh Bharat Abhiyan. During this event department faculty members and students took initiative regarding cleanliness and its maintenance in the campus and nearby places.

7. Holistic Activity

A talk on “Technical Education in the Light of Universal Values” organized by the Sahaj Yog Group in the Institute

8. Healthy Living

- TCS Fit4life - Campus Challenge: NIET organized “TCS Fit4life Campus Challenge” in association with TCS. TCS Fit4life Campus Challenge was a 5KM marathon where more than 3000 students across the engineering & management colleges in Delhi/NCR along with faculty members and TCS employees participated.
- Many students of MBA department have participated in health awareness program and TCS Fit4life - Campus Challenge.

9. NIET Town Hall

MBA department organizes Town Halls to make the students aware of the latest trends going on in the industry. The Eminent people from the industry visit NIET and share their experiences regarding their career and the social & business life. This facilitates the students that how real leaders come out and they learn by sharing their experience.

- On 9th June, 2016, Mr Narendra Chadel, Head-Talent Acquisition, TCS, North Region visited NIET for town hall.
- On 9th November, 2016, Mr Ashish Baheti MD of Vectus Industries Limited visited NIET for town hall.

35. SWOC analysis of the department and Future plans

Strengths

- Quality Intellectual Capital
- Industry Tie-ups / Certifications from ICICI and KPMG
- Bi-annual NIET Journal of Management
- High Percentage of placement
- Androgogy Methodology in Teaching Learning Process

Weakness

- Difficulty in coping-up for the students who come from various streams such commerce, science, arts and engineering
- Internship on the basis of core specialization
- Lack of sponsored projects and consultancy

Opportunities

- International placement on Electronic Business Domain
- Developing fresh ideas for innovation through NIET-TBI (NIET Technology Business Incubator)

Challenges

- To find out industry experienced faculty members
- Curriculum Gap
- Drastic changes in management theories such as from unorganized retail to organized online retail

Future plans

- NBA accreditation
- To have funded research projects
- Centre of excellence in Business Analytics

3. Evaluative Report of the Department

1. Name of The Department : **Master of Computer Applications (MCA)**
2. Year of Establishment : **2006**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : - PG

S. No.	Level	Name of Program	Specialization	Shift	Intake	Duration	Full Time /Part Time
1	PG	MCA	-	First	60	3 Years	Full Time

4. Interdisciplinary Courses and Departments Involved–

S. No.	Subject	Subjects Code	Department
1	Professional Communication	NAS-104/RCA-105	English
2	Financial Accounting and Management	NMCA-112/RCA-102	MBA
3	Professional Communication Lab	NAS-154/RCA-151	English
4	Environment and Ecology	NAS-205	Biotech
5	Human Values and Professional Ethics	AUC-001	MBA

5. Annual/ Semester/Choice Based Credit System: **Semester (CBCS)**

6. Participation of the Department in the Courses Offered by other Departments –

S. No.	Name Of Course	Subjects Code	Department
1	Computer Graphics and Animation	NCS-403	CSE
2	Computer Graphics and Animation Lab	NCS-453	CSE

3	Introduction to Automata Theory and Formal Languages	NCS-402	CSE
4	Design and Analysis of Algorithms	NCS-501	CSE
5	Computer Graphics and Animation	NCS-403	IT
6	Computer Graphics and Animation Lab	NCS-453	IT
7	Operating Systems	NCS-401	IT
8	Operating Systems Lab	NCS-451	IT
9	Computer Organization	NEC-409	IT
10	Computer System & C Programming	RCS-101/ NCS-101	B Tech (First Year)
11	Cyber Security	AUC-002	MBA
12	Management Information System	NMBA-018	MBA
13	Computer Fundamentals& C Programming	BOP-115	B.PHARM
14	Computer Fundamentals& C Programming Lab	BOP-115P	B.PHARM
15	Cyber Security	AUC-002	ECE
16	Cyber Security	AUC-002	EN
17	DBMS	NCS-502	EN
18	Computer Networks	NEC-702	EN
19	Cyber Security	AUC-002	CH
20	Cyber Security	AUC-002	CE

7. Courses in Collaboration with Other Universities, Industries, Foreign Institutions, Etc.:

S. No.	Name of Course	Name of Industry	Number of students benefitted in last three years
1	Big Data and Analytics	IOTA Cell, Bengaluru	7
2	Cloud Computing	IOTA Cell, Bengaluru	10
3	Mobile Application Development on Android Platform	IOTA Cell, Bengaluru	12
4	CISCO LAB	CISCO	30

8. Details of Courses/ Programmes Discontinued (If Any) with Reasons: **Nil**

9. Number of Teaching Posts Sanctioned and Filled (Professors/ Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professor	12	0
Associate Professors		1
Asst. Professors		9

10. Faculty Profile With Name, Qualification, Designation, Specialization (Ph.D./ M.Phil./ M.Tech/ MCA, Etc.)

S. No	Name	Designation	Qualification	Specialization	No. of Years of Experience	No. of M.Tech /Ph.D. Students Guided in the last 4 years
1	Mr. Ritesh Rastogi	Associate Professor	M.Tech, MCA	S/W Engineering	15	M.Tech-15
2	Mr. Rajeev Kumar	Assistant Professor	Phd*,M.Tech, MCA	OS, Biologically	11	M.Tech-1
3	Mr. Santosh Kumar Gupta	Assistant Professor	M.Tech, MCA	DBMS,DM W	10	Nil
4	Mr. Deepak Kumar Tyagi	Assistant Professor	M.Tech, MCA	S/W Engg	8	Nil
5	Mr. Shivnath Gupta	Assistant Professor	M.Tech, MCA	S/W Engg	7	Nil
6	Mr. Mohit Chaudhary	Assistant Professor	M.Tech, MCA	Java,C	6	Nil
7	Mr. Hirdesh Sharma	Assistant Professor	M.Tech, MCA	DAA	7	Nil
8	Mr. Vijay Kumar Tiwari	Assistant Professor	M.Tech, MCA	Network Security	7	Nil
9	Mr. Sudarshan	Assistant Professor	M.Tech, MCA	S/W Engg	6	Nil
10	Mr Amardeep	Assistant Professor	MCA	S/W Engg	5	Nil

11. List of Senior Visiting/ adjunct Faculty:

S.No	Name Of Visiting Faculty	Affiliation	Experience
1	Mr. Sachin Gupta	Trivia Biz Solution	15 Years
2	Mr. Abhishek Jain	Samsung Electronics	12.5 Years

12. Percentage of Classes Taken By Temporary Faculty Programme-wise Information: **Nil**

13. Student Teacher Ratio: **15:1**

14. Number of Academic Support Staff (Technical) and Administrative staff:
Sanctioned and Filled

Sl.No.	Designation	Sanctioned	Filled
Administrative Staff			
1	Department Assistant	1	1
2	Attendant	1	1
Academic Support Staff(Technical)			
1	Lab Technician	2	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

S.No	Qualification	Number
1	Ph.D.	0
2	M.Tech	9
3	MCA	10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **Nil**

17. Departmental Projects Funded By DST, FIST, DBT, ICSSR Etc.; Total Grants Received:

Nil

18. Research Facility/ Centre/ Virtual Labs with:

S. No.	Name of Facility	Recognition
1	Virtual Lab	IIT Delhi
2	Microsoft Innovation Lab	Microsoft Corporation
3	Mobile Application Development	In-house
4	IOS Development Center	Apple University Program

5	Cloud Computing Research and Training Lab	Amazon Web Services
6	Cisco Networking Lab	Cisco
7	Internet of Things(IoT) Using Raspberry Pi	In-house
8	Big Data & Analytics Innovation Lab	In-house

19. Publications:

A) Number of Papers Published in Peer Reviewed Journals
(National / International)

International/National- --- List of International/ National Journals:

No. of Publications	Citation Index	SNIP	SIR	Impact Factor	H-Index	Books/ Monograph
43	2	-	-	3.923	1	Nil

20. Areas of Consultancy and Income Generated -Nil

21. Faculty as Members in

S.No	Name of Faculty	Member In	National/International/Editor Board/Professional Body
1	Mr. Ritesh Rastogi	ISTE	National
		International Association of Engineers	International

22. Student Projects

Percentage of Students who have done In-House Projects Including Inter-Departmental/Percentage of Students Doing Projects in Collaboration with Industries / Institutes:

Level	Projects					
	In House(Mini Project)			Industry(Final Year)		
PG	2011-14	2012-15	2013-16	2011-14	2012-15	2013-16
	100 %	100 %	100 %	100 %	100 %	100 %

23. Awards / Recognitions Received at the National and International Level by faculty and students:

S.No	Name of Faculty/Students	Name Of Award	Agency
1	Manisha	Fakir Chand Award	NIET, Gr .Noida
2	Shekhar Mittal	Fakir Chand Award	NIET, Gr. Noida
3	Jyoti Kumari	Fakir Chand Award	NIET, Gr. Noida
4	Ankita Mishra	Fakir Chand Award	NIET, Gr. Noida
5	Mr. Ritesh Rastogi	Best Faculty Award	NIET, Gr. Noida
		Longest Association Award	NIET, Gr. Noida
6	Mr. Rajeev Kumar	Best Faculty Award	NIET, Gr. Noida
7	Mr Mohit Choudhary	Best Faculty Award	NIET, Gr. Noida
8	Mr Santosh Gupta	Best Faculty Award	NIET, Gr. Noida

24. List of Eminent Academicians and Scientists/ Visitors to the Department:

S.No	Name of Acad/Scient/ Visitor	Affiliation	Purpose	Year
1	Dr. Bharat Bhargava	Department of Computer Science, Purude University, Indiana, USA	End To End Security and Privacy in Distributed System and Cloud Computing	2012-2013
2	Dr. Manohar Lal	Ex. Director, School of Computer & Information Science, IGNOU	Advances in Artificial Intelligence	2012-2013
3	Prof. D.K. Mehta	Jodhpur University	Expert Lecture on E-Governance	2013-2014
4	Mr Vishal Gupta	Samsung (R& D)	Corporate	2014-2015

			Expectations from Fresher's	
5	Dr. B S Rajput	Ex. V C Kumaun University	Quantum Computing	2014-2015
6	Dr Meng Chow Kang	Director of Information Security, CISCO	Cyber Security Challenges: Cisco's Approach Before, During and After An Attack	2015-2016
7	Mr. Pankaj Bhardwaj	TCS	Emerging Technologies	2015-2016
8	Mr. Mukul Singhal (IAS)	Principal Secretary, Technical Education Government of U.P.	Placement Felicitation Program	2015-2016

25. Seminars/ Conferences/ Workshops Organized and the Source of funding (National / International) with Details of Outstanding Participants, If Any

S. No.	Name of The Seminar /Conference/ Workshop Organized	National/ International	Date	Funding Agency
1	National Conference On Emerging Technologies In Computer Science (ETCS – 12), 20–21 Oct' 12. Niet Gr. Noida	National	20–21 Oct 2012	The Institution of Engineers, Delhi
2	Workshop on Unix/ Linux Operating System	National	18 Aug 2013	NIET, Gr Noida
3	Seminar on need of Entrepreneurial Revolution in emerging Technologies in global scenario	National	16 Nov 2013	CSI and NIET, Gr Noida
4	Digitization, Opportunities For Professionals And Organizations At Noida Institute Of Engineering & Technology, Greater Noida (Uttar Pradesh).	National	06 Dec 2014	CSI

5	Faculty Development Program on Intellectual Property Right	National	25 Jul 2015	NIET, Gr Noida
6	Need of Entrepreneurial Revolution in Emerging Technologies in the Current Global Scenario" at Noida Institute of Engineering & Technology, Greater Noida	National	2-3 May 2015	NIET, Gr Noida
7	Workshop on CISCO Networking	National	27Jul-8Aug 2015	Amity University and NIET, Gr Noida
8	Workshop on CISCO Networking	National	16-31May 2016	Amity University and NIET, Gr Noida
9	ICT Based short term course on Embedded C Programming of Micro	National	2-6 May 2016	NITTTR Chandigarh
10	Workshop on Digital Marketing	National	6-15 Jun 2016	NIET, Gr. Noida
11	Workshop on Web Technology	National	6-15 Jun 2016	NIET, Gr Noida
12	Workshop on Human Values and Ethics	National	17-24 Jun 2016	AKTU and NIET, Gr Noida
13	Short Term Course On Open Source Technologies	National	28 Aug-2 Sep 2016	NITTTR Chandigarh
14	Python 101 Workshop	National	19 Oct 2016	NIET, Gr Noida

26. Student Profile Course-Wise:

Name of Course/ Programme		Applications Received For Admission*	Selected	Enrolled		Pass Percentage
				M	F	
PG	Session 2016-2017	By AKTU Lucknow (Formerly UPTU Lucknow)	13	9	4	-
	Session 2015-2016		48	41	7	-
	Session 2014-2015		41	38	3	-
	Session 2013-2014		53	47	6	-

*Applications are received by the affiliating University for admission and the number of applications are not known for specific Department/ Institute.

27. Diversity of Students

Name of Course/ Programme		% of Students from Same State	% of Students from Other States	% of Student from Abroad
PG	Session 2015-2016	80	20	Nil
	Session 2014-2015	83	17	Nil
	Session 2013-2014	78	22	Nil

28. How Many Students Have Cleared Civil Services, Defense Services, NETSLET, GATE and Any Other Competitive Examinations: **Nil**

29. Student Progression

Student Progression	Percentage Against Enrolled
PG to M.Phil	Nil
PG to Ph.D	Nil

Student Progression	Percentage Against Enrolled		
	2011-14	2012-15	2013-16
Ph.D. To Post-Doctoral	NA	NA	NA
Employed			
• Campus Selection	38	20	40
• Other Than Campus Recruitment	12	8	3
Entrepreneurs	1.18	NIL	NIL

30. Details of Infrastructural facilities

- a) **Central Library** has 400 Titles and 2000 volume of books and Twelve Journals
Department also has its own library having more than 100 books
- b) **Internet facilities** for staff and students
Staff - Internet facility is provided to all Staff members through Campus Wi-Fi
Reliance Jio hotspot and Lease line of 110 mbps
Students - Campus wide Wi-Fi connectivity
- c) **Total number of class rooms**
MCA – 6 Class Rooms with Multimedia Projector in each class room.
- d) **Class rooms with ICT facility**
 1. Dept. Seminar hall (shared) equipped with Audio & Visual facility.

2. All Student Class rooms have provision of Multimedia Projector Facility
e) **Student Laboratories:** As per curriculum the department has following labs.

ODD SEMESTER LABS

- Professional Communication Lab
- Programming Lab
- Database Management System Lab
- Internet and Java Programming Lab
- Computer Network Lab
- Software Engineering Based Project Lab

EVEN SEMESTER LAB

- Computer Based Numerical Statistical Lab
- Data Structure Lab
- Mini Project Lab
- Web Tech Lab

The department has two labs of 60 computers each. Both the labs are CCTV covered and equipped with air conditioners, multimedia projectors and white boards.

31. Number of Students Receiving Financial Assistance from College, University, Government or Other Agencies:

S.No	Agency (College/Univ/Govt.)	No. of Students		
		2013-2014	2014-2015	2015-2016
1	Social Welfare Department	15	48	01
2	University	Nil	Nil	Nil
3	Financial Assistance By NIET	11	27	07

32. Given details on student enrichment programmes (special lectures/ workshops/ Seminar) with external experts.

Sl. No	Title of the Special Lecture/ Workshop / Seminar Organized	Details of the External Expert	Session
1	Technovision 2K12	Prof. S.K. Kak	2012-13
2	Workshop on Android	Team From Ducat	2012-13
3	Workshop on Networking	Team From Cisco	2012-13

4	Expert Lecture on E-Governance	Prof. D.K. Mehta, Jodhpur University	2013-14
5	Two Days Workshop on PHP and Mysql	Mr. Azeem Khan	2013-14
6	Workshop on Networking	Team From ITCONS	2013-14
7	Workshop on Software Testing	Mr. Saqub Azam	2013-14
8	Workshop on Software Testing	Ms. Srishti Mahovia	2014-15
9	Workshop on Android	Mr. Yatin	2014-15
10	Seminar on Digitization, Opportunities for Professionals and Organizations	Mr Anuj Agarwal, Prof. M.N. Hoda, Prof. R.K Vyas	2014-15
11	CISCO Workshop	Mr.Santosh Gupta Mr.Vimal Padaliya	2014-15
12	Decoder Master	Dr Rajdev Tiwari	2015-16
13	Debug	Dr Rajdev Tiwari	2015-16
14	Wits Worm	Dr Rajdev Tiwari	2015-16
15	Workshop on Android	Md. Aslam	2015-16
16	Workshop on Japanese Language	Ms. Anjali Bhakuni	2015-16
17	Soft Skills	PFS	2015-16
18	Aptitude	PFS	2015-16
19	Technical Workshop	PFS	2015-16
20	Cisco Workshop	Mr Santosh Gupta Mr.Vimal Padaliya	2015-16
21	Digital Marketing	Mr. Amit, Road to Naukri.Com	2015-16
22	Web Tech	Mr. Amit, Road to Naukri.Com	2015-16
23	Workshop on Python	Mr. Shashank Kumar	2015-16

33. Teaching methods adopted to improve student learning

Various Activities and Programmes are organized to enhance student learning

Campus Wide Quality Improvement Program (CWQIP)

- Use of Multimedia Projectors
- Massive Open Online Courses (MOOCs)
- Use of NPTEL Lectures
- Practical Based Learning
- Creative Design Cell (CDC) Activities
- ICT based learning is practiced
- Faculty members carry their Course Files to the classroom and maintain student attendance and topics covered in their registers and also on the ERP (www.nietcampus.com) provided by the Institute
- Regular assignments are distributed and tests are conducted by the faculty members

Total Students Development Program (TSDP)

- Guest/Experts Lectures
- Workshop/Conference
- Training in Industry supported labs
- Training on aptitude and HR skills
- Technical Quiz/Competitions
- Industrial visit/Industrial Training
- Mentor-Mentee program
- Paper presentation Activities by students

Weak Students Development Program (WSDP)

- Special classes are organized for the weak students
- Extra classes are organized for weak students
- Peer Adoption
- Remedial classes are conducted regularly for weaker students under “Weak Student Development Program” (WSDP)

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

1. The Rainbow School

The Rainbow School provides education to the children of the construction workers in the vicinity. Apart from academics these children are also imparted vocational training. NIET provides Free Education, Books & Stationery, uniform & Mid-day Meals to needy people of our society.

2. Self Defense Training

To prepare girl students of NIET, to fight against crimes, a course focusing on the holistic development and training, in collaboration with NGO Aseem Nari

Shakti is undertaken to teach them various tactics of self defense.

3. Tree Plantation

The primary purpose of this activity is to imbibe in the staff and students, the importance of a green and healthy surrounding in a rapidly growing concrete jungle.

4. Project Swabhiman

NIET has become Academic Partner of Project Swabhiman: Employability & Entrepreneurship Development through skilling by SHIKHAR organization for social development. It focuses on enhancing the employability skills of youth by imparting education, life skills and vocational training.

5. Adoption of a Village

NIET adopted village Navada and familiarized villagers to technology, a tribute to Dr APJ Abdul Kalam on his birthday.

6. Swachh NIET Abhiyan

The green gold society of NIET has organized a swachh NIET abhiyan on 1st October 2016 in the concept of Swachh Bharat Abhiyan. In this faculty and students took initiative regarding cleanliness and its maintenance in the campus and nearby places.

7. Holistic Activity

A talk on “Technical Education in the Light of Universal Values” organized by the Sahaj Yog group in the Institute

8. Healthy Living

- TCS Fit4life - Campus Challenge: NIET organized “TCS Fit4life Campus Challenge” in association with TCS. TCS Fit4life Campus Challenge was a 5KM marathon where 3000 approx participant took part.

35. SWOC analysis of the department and Future plans:

Strength:

- Intellectual Capital
- Cutting edge Technologies and labs
- Regular training programs for faculty and students

Weakness:

- Diversity of students from different Graduation Program
- Less industry Recognition program
- Decline in industry requirement due to automation
- Communication skills among rural based students

Opportunities:

- Participation in digital India Campaign
- Project development and communication
- Creating successful companies/entrepreneur with the help of NIET Technology Business Incubator

Challenges:

- Integrated program like BCA with MCA
- Upcoming private Universities

Future Plan:

- Centre of Excellence on Emerging Technologies
- Manpower Deployment in Smart City Project of Govt. of India
- Strengthen Industry Institute and EDC Cell

3. Evaluative Report of the Department

1. Name of the Department: **Applied Sciences and Humanities**
2. Year of Establishment: **2001**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **Engaged in B.Tech, B.Pharm., MBA, MCA, M.Tech and M.Pharm for Physics, Chemistry, Mathematics, Environmental Engg, English, Humanities etc**
4. Names of Interdisciplinary courses and the departments/units involved: **NA**
5. Annual/ semester/choice based credit system (programme wise) – **SEMESTER WISE (CBCS)**
6. Participation of the department in the courses offered by other departments **NIL**

S.No.	Name of Course	Subject Code	Department
1	Engg. Mathematics – I/II	RAS-103/203	CS, EC, IT, EN, ME, CH, BT, CE
2	Engg. Physics – I / II	RAS-101/201	CS, EC, IT, EN, ME, CH, BT, CE
3	Engg. Chemistry	RAS-102/202	CS, EC, IT, EN, ME, CH, BT, CE
4	Professional Communication	RAS-104/204	CS, EC, IT, EN, ME, CH, BT, CE, MCA
5	Engg. Mathematics - III	NAS-301	CS, EC, IT, EN, ME, CH, BT, CE
6	Discrete Mathematics	RCA103	MCA
7	Environment & Ecology	RCA105	MCA

7. Courses in collaboration with other universities, industries, foreign institutions, etc. **NIL**
8. Details of courses/ programmes discontinued (if any) with reasons **N/A**
9. Number of teaching posts

	Sanctioned	Filled
Professors	57	06
Associate Professors		03
Assistant Professors		43

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.,)

Department of Physics

S.N.	Name	Qualification	Designation	Specialization	Exp (Yrs.)	No. of Ph.D. Guided
1	Dr. Rajesh Kumar	Ph.D.	Professor & Head	Nuclear Physics	17	NIL
2	Mr. Ashish Pathak	M.Sc, M.Phil	Assistant Prof.	Superconductivity	15	NIL
3	Dr. Sweta Vishnoi	M. Phil, Ph.D.	Assistant Prof.	Material Science	7	NIL
4	Mr. Naresh Kumar Pal	M.Sc.	Assistant Prof.	Physics	14	NIL
5	Ms. Renu Saini	M.Sc., B.Ed.	Assistant Prof.	Physics	5	NIL
6	Ms. Astha Khandelwal	M.Sc.	Assistant Prof.	Applied Physics	NIL	NIL
7	Ms. Vandana Tyagi	M.Sc. B.Ed	Assistant Professor	Physics	15	NIL
8	Dr. Sanjeev Varshney	Ph.D	Associate Professor	Physics	8	NIL
9	Ms. Vandana Panthri	M.Sc.	Assistant Prof.	Physics	6	NIL
10	Ms. Ishu Bansal	M.Sc.	Assistant Prof.	Physics	7	NIL
11	Mr. Vaibhav Kumar	M.Sc., M.Phil	Assistant Prof.	Physics	7	NIL
12	Ms. Rajani Dwivedi	M.Sc.	Assistant Prof.	Physics	17	NIL

Department of Chemistry

S.N.	Name	Qualification	Designation	Specialization	Exp (Yrs.)	No. of Ph.D. Guided
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1	Dr. K.P. Singh	Ph.D	Professor & HOD	Inorganic Chemistry	19	NIL
2	Dr. Pavan Prakash Giri	Ph.D.	Professor	Chemistry	17	NIL
3	Dr. Manish Kaushik	M.Sc.	Asstt. Professor	Organic Chemistry	11	NIL
4	Dr. Monika Chauhan	Ph.D.	Asstt. Professor	Chemistry	06	NIL
5	Ms. Amrita Kaushik	M.Sc.	Asstt. Professor	Organic Chemistry	09	NIL
6	Dr. Yogesh Aggarwal	Ph.D	Assistant Prof.	Organic Chemistry	15	NIL
7	Dr. Sujeet Kumar	Ph.D	Assistant Prof.	Microbiology	09	NIL
8	Mrs. Upma Singh	M.Sc., M.Ed	Assistant Professor	Organic Chemistry	20	NIL
9	Ms. Meenakshi Singh	M.Sc., B.Ed	Assitant Professor	Organic Chemistry	8	NIL
10	Mr. Anand Mohan	M.Sc.	Assistant Professor	Chemistry	8	NIL
11	Mr. Vinod Mittal	M.Sc.	Assistant Professor	Chemistry	5	NIL

Department of Mathematics

S.N.	Name	Qualification	Designation	Specialization	Exp (Yrs.)	No. of Ph.D. Guided
1	Dr. Anjana Rani Gupta	M. Sc, Ph.D	Professor & HOD	Applied Mathematics	17	NIL
2	Dr. Meenakshi Yadav	M. phil, Ph.D	Professor	Numerical Analysis	18	NIL
3	Mr. Rajnish Kumar Pandey	M. Tech., Ph.D pursuing	Assistant Professor	Applied Mathematics	13	NIL
4	Mr. Harendra Singhal	M. Sc., M.Phil	Associate Professor	Pure Mathematics	14	NIL
5	Mr. B.N.	M. Phil.,	Assistant	Wavelet	13	NIL

	Tripathi	Ph.D pursuing	Professor	Theory		
6	Mr. Manoj Kumar Yadav	M. Sc.	Assistant Professor	Applied Mathematics	10	NIL
7	Dr. Rajesh Kumar Chaubey	M. Sc., M.Phil. Ph.D	Asstt. Professor	Wavelet Theory	12	NIL
8	Mr .Sudhanshu Agarwal	M. Sc.	Asstt. Professor	Applied Mathematics	8	NIL
9	Mr Raman Chauhan	M. Sc.	Asstt. Professor	Applied Mathematics	2	NIL
10	Ms. Shivani Agarwal	M. Sc.	Asstt. Professor	Applied Mathematics	2	NIL
11	Dr. Kavita Sinha	Ph.D	Assistant Professor	Mathematics	9	NIL
12	Ms. Nidhi Sharma	M.Sc, M.Phil	Assistant Prof	Mathematics	7	NIL
13	Dr. Pritee Agarwal	Ph.D	Assistant Prof	Mathematics	8	NIL
14	Mr. Ramu Dubey (SL)	M.Sc.	Assistant Professro	Mathematics	7	NIL
15	Mr. Bhupesh Dutt Sharma (SL)	M.Sc	Assistant Professor	Mathematics	6	NIL
16	Dr Chetan Swarup (Deputation in Saudi Arabia)	M. Sc., Ph.D	Assistant Professor	Operational Research	8	NIL
17	Mr. Saurabh Gupta	M. Sc.	Asstt. Professor	Simulation and Modeling optimization	7	NIL
18	Mr. Chandan Singh Jatwal	M.Sc.	Assistant Professor	Statistics	15	NIL
19	Mr. Vinod Kumar Bansal	M.Sc., B.Ed	Assitant Professor	Mathematics	16	NIL
20	Mrs. Mithlesh Gupta	MA, B.Ed	Assistant Professor	Mathematics	14	NIL
21	Mrs. Arti Malik	M.Phil	Assistant Professor	Mathematics	12	NIL

Department of English

S.N.	Name	Qualification	Designation	Specialization	Exp (Yrs.)	No. of Ph.D. Guided
1	Dr Ghazala Naaz	Ph.D.	Professor & Head	Indian Writing in English & Linguistics	24	NIL
2	Ms Pooja Tyagi	M.A.	Assistant Prof.	Functional English	13	NIL
3	Dr Bindunath Jha	Ph.D.	Assistant Prof.	Linguistics	08	NIL
4	Dr Vipin Kumar	Ph.D.	Asstt. Professor	Indian English Fiction & Phonetics	09	NIL
5	Dr. Ritu Sorayan	Ph.D	Associate Prof.	Linguistics	8	NIL
6	Ms. Priyanka Singh	M.A, Ph.D pursuing	Assistant Prof	Linguistics	5	NIL
7	Mr. Abhishek Sen Gutpa	M.A	Assistant Prof.	Literature	6	NIL
8	Ms. Divyangana Verma	M.A.	Assistant Prof	Literature	4	NIL

11. List of senior visiting faculty-**NIL**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty- **NIL**
13. Student -Teacher Ratio (programme wise) : **25:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

YEAR	TECNICAL STAFF	SANCTIONED	FILLED
2016-2017	03	03	03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

S.No.	Qualification	Number
1.	Ph.D.	16
2.	M.Phil.	7

3.	M.Tech.	1
4.	P.G.	26

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received- **NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received- **NIL**

18. Research Centre /facility recognized by the University- **NIL**

19. Publications: (Last four Years)

S. No.	Name of Faculty	No. of Publications			Citation Index	Impact factor	Books/Chapter in Books
		International Journal	National Journal	Conference/Symposium Proceedings			
1	Dr. Rajesh Kumar	03	01	08	-		01
2	Dr. Sweta Vishnoi	04	01	01	-	0.902	
3	Ms. Amrita Kaushik	04	-	-	-	-	
4	Dr. Vipin Kumar	01	-	-	-	-	01
5	Dr Bindunath Jha	01					

20. Areas of consultancy and income generated-**NIL**

21. Faculty as members in

S. No.	Name of Faculty	Editorial board
1	Dr. Rajesh Kumar	NIET Journal
2	Dr. Anjana Rani Gupta	NIET Journal
3	Dr. Gazala Naaz	NIET Journal

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme-**NIL**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies-**NIL**

23. Awards / Recognitions received by faculty and students.

S.No.	Year	Name of Student	Award
1	2012-2013	BHAVNA KHATRI	Dr O. P. Agarwal Award
2	2013-2014	NITIN KUMAR ARYA	Dr O. P. Agarwal Award
3	2014-2015	HARIKESH YADAV (CE)	Dr O. P. Agarwal Award
4	2015-2016	SHWETA MALIK (CSE) & AAYUSHMAAN (ME)	Dr O. P. Agarwal Award

24. List of eminent academicians and scientists / visitors to the department **NIL**

25. Seminars/ Conferences/Workshops organized & the source of funding **03**

S. N.	Name of The Programme	Date	Convener
1	A two-Day Faculty Development Programme on Speaking Skills (FDP)	18-19 December, 2012	Dept. of English
2	A two-Day Workshop on Communication Skills (SDP)	13-14 May, 2014	Dept. of English
3	ICT based programme on Communication skills	July 20 – 24, 2015	Dept. of English

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Tech(2016-17)	--	1254	1079	175	-

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech (2016-17)	54.70%	45.30%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **N/A**

29. Student progression

Student progression	Against % enrolled
UG to PG	N/A
PG to M.Phil.	N/A
PG to Ph.D.	N/A
Ph.D. to Post-Doctoral	N/A
<p style="text-align: center;">Employed</p> <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	N/A
Entrepreneurship/Self-employment	N/A

30. Details of Infrastructural facilities
- c. **Institute Library:**
Total No. of Title: 4558
Volume: 14707
Timings: 9:30am to 5:00pm
- d. **Internet facilities for Staff & Students:** High speed internet connection of 110Mbps and Reliance JIO HOT SPOT
Wi-Fi connectivity
- e. **Class rooms with ICT facility:** 22
- f. **Laboratories:** 03
31. Number of students receiving financial assistance from college, university, Government or other agencies- **N/A**
32. Details on student enrichment programmes (special lectures/ workshops/ Seminar) with external experts **N/A**
33. **Teaching methods adopted to improve student learning**
 Various activities and programmes are recognized to improve learning of students.
- **Campus Wide Quality Improvement Program (CWQIP)**
 - Use of LCD Projectors to show videos and PPT's
 - MOOCs is used (piazza.com, classcentral.com, futurelearn.com, edx.org)
 - Use of NPTL lectures
 - Practical based learning
 - Project based learning
 - **Total Student Development Program (TSDP)**
 - Guest/Expert Lectures
 - Workshop/conferences
 - Skill Development program

- Training in Industry supported labs
 - Technical Quiz competition
 - Mentor-Mentee policy
 - **Weak Student Development Program (WSDP)**
 - Special Classes are organized for the weak students
 - Extra Classes are organized for Weak students
 - Peer adoption policy
34. Participation in Institutional Social Responsibility (ISR) and Extension activities.
The faculty members and students of the Department participate in various social activities
- Teaching of socially weaker students in Rainbow School
 - Plantation of trees on every 15th August (Independence Day) and 17th October (Foundation Day)
 - Plantation on 27th July 2016, APJ Abdul Kalam Birth anniversary
 - Swachh NIET Abhiyaan on 1st October 2016
 - Swachta Abhiyaan – **Swachh Bharat ki Aur** on 17th October 2015
 - Adoption of village on 15th October 2015
 - TCS Fit For Life on 8th February 2015
 - One day self defense training programme for girls
 - A talk on “Technical Education in the Light of Universal Values” on 05th October 2015.
 - Plantation by Green Gold Society in Collaboration with Sankalptaru (NGO) COGNIZANT on 10th October 2015.
 - Diabetic’s awareness camp on 18th October 2014.
35. SWOC analysis of the department and Future plans

Strengths

- More than 35% of faculty members are Ph.D. in the Department of Applied Sciences.
- Additional topics, beyond syllabus are covered by the teachers.
- The faculties are given full academic freedom.
- Incentives and rewards are given for research paper publications in national and international journals.
- State-of-the art chemistry and Physics labs that are used for research work.
- Advanced Mathematics training lab in collaboration with Khan Academy.

Weaknesses

- Industry department Interaction needs to be strengthened further.
- Faculties with industrial experience are less in number.
- Communication skill of students needs to be improved.
- Tutorial classes need to be given more emphasized.

Opportunities

- The interdisciplinary research in niche areas is the need of the day, which gives opportunity in all areas.
- Developing advanced labs for research in the areas of nuclear research and water research.
- Developing state-of-the art mathematical modeling and simulation lab.

Challenges

- Existing professional courses in sciences are losing demand in the market because of weak curriculum.
- Decline in the interest of the students toward research in sciences.
- Governmental agencies giving more thrust to technological and management skills than scientific temperament.
- Decline in funds for research in science over years.
- Quality of students that are enrolled in the department.

Future plan

- To develop strong basic knowledge in Sciences and Humanities subjects that can be used in core subjects and real world situation.
- To develop the research environment to students and faculty to meet the current and future challenges of technological development.
- To encourage faculty members to organized/ attend conferences/workshops and publish the research papers in SCI Indexed Journal.
- To develop center of excellence for research.

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Noida Institute of Engg. & Technology (Name of the institution) fulfils all norms

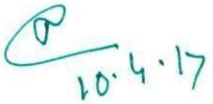
1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 10-04-2017
Place: Greater Noida


Principal/Head of the Institution
(Name and Signature with Office seal)

Director
Noida Institute of Engineering & Technology
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