



ANNUAL REPORT & AUDIT REPORT

WITH AUDITED STATEMENT OF ACCOUNT

2016-17



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

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WITH
AUDITED STATEMENT OF ACCOUNT
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MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
ALLAHABAD-211004

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INTRODUCTION

1.1 Vision

1.2 Mission

1.3 Goals

INTRODUCTION

1.1 VISION

To establish a unique identity for the Institute amongst national and international academic and research organizations through knowledge creation, acquisition and dissemination for the benefit of society and humanity.

1.2 MISSION

To generate high quality human and knowledge resources in our core areas of competence and emerging areas to make valuable contribution in technology for social and economic development of the nation. Focused efforts to be undertaken for identification, monitoring and control of objective attributes of quality and for continuous enhancement of academic processes, infrastructure and ambience. To efficaciously enhance and expand, even beyond national boundaries, its contribution to the betterment of technical education and offer international programmes of teaching, consultancy and research.

1.3 GOALS

The standing of an institution of higher learning is judged by its research activities and contribution in the advancement of knowledge in the emerging areas. The Institute will make all efforts to strengthen collaborative research programmes in the following emerging areas with strong user (industry/society) linkages:

Advanced Technologies

Construction Productivity Analysis, Mechatronics, Industrial Knowledge Management Systems, Development & Condition Monitoring of Flow Devices.

Electronics & Communication

4 G Wireless & Mobile Networks Signal Processing, Optical Computation and Communication, Sensor Network, VLSI, Embedded Real Time System.

Energy Engineering

Bio-fuels, Solar Cells, Hybrid Renewal Energy Systems, Virtual Instrumentation, Distributed Energy System, Energy Audit, Development of Energy Efficient Devices & Technologies.

Environment

Urban and Industrial Waste Disposal, Rural Water Treatment, Ground Water Management, Rain Water Harvesting.

Exploration Technology

Remote Sensing and Resource Planning, Geotechnical Exploration.

Global Business

Strategic Alliances, Intellectual Property Rights (IPR), Logistics, Forex Management, Socioeconomic Policy Planning.

Health Care

Bio-mechanics, Genomics and Proteomics, Bio-informatics, Chem-informatics, BioMedical Devices & Rehabilitation.

Housing

Health Monitoring and Rehabilitation of structures, Smart and Energy Efficient Structures.

IT & Services

E-governance, Web Service, Social Networks, Web-3, Multimedia Technology, Digital Right Management Systems.

Manufacturing

Nano-fabrication, Robotics.

Material Technology

Composite, Smart, Multi-functional and Nanomaterials, MEMS and Smart Sensors.

Strategic & Computing Technology

Grid & Cloud Computing, P2P, Evolutionary Computing, information Security.

Technology for Local & Regional Development

Non-conventional Employment Opportunities, Rural-urban Migration, Social Entrepreneurship, People Public Participation (PPP) with the collaborative research programmes the research output in form of publication in SCI journals and patents will increase. Also effort will be made to double the sponsored and consultancy research projects by the end of the next decade.

Centre of Advance Method Research

Centre of Advance Method Research in the respective fields of specializations from different academic departments will be set up. Following areas will be given due importance for establishing the centres of excellence:

- (i) Advance Centre for Interdisciplinary Research.
- (ii) Centre for Biomedical Devices & Implants.
- (iii) Health Monitoring and Rehabilitation of Structures, M/Cs & Devices
- (iv) Centre for Energy & Environment.
- (v) Virtual Instrumentation.
- (vi) Next Generation Communication Networks.
- (vii) Software Quality Certification & Software Security.
- (viii) Centre for Development & Condition Monitoring of Flow Devices.
- (ix) Centre for Advance Manufacturing.

Society

As an institute of national importance, activities of the Institute should make positive impact on the society. In order to achieve the objective a centre shall be established to cater for the needs in the following broad areas:

- (i) Promoting social awareness about national problem and possible solutions.
- (ii) International Collaboration for faculty, students and researchers.

- (iii) Faculty Orientation and Development for the faculty members of different neighboring Institutes and our own faculty members.
- (iv) Skill Development for Rural Artisans and Unskilled persons.
- (v) Innovation and Entrepreneurship Development.
- (vi) Provide facilities to underprivileged section of the society.
- (vii) Social Audit of Development Programmes.

Proposed Academic Programmes

- (i) **M. Tech.** in Hydro-power, Irrigation Engineering, Transportation Engineering, Construction Engineering Management, Communication Systems, Energy System, Instrumentation & Signal Processing, Robotics & Automation, Nano-Technology.
- (ii) **B. Tech.** in Mechatronics, Material Science & Engineering, Environment Engineering.
- (iii) Integrated MBA, Executive MBA.
- (iv) **Certificate Programmes** in Management of Engineering Litigation.

Steps to Promote Advanced Research

- (i) Joint thesis and research projects with industry participation.
- (ii) Institutional Assistantships to promote PG and Doctoral Programmes.
- (iii) External registration for Doctoral Programmes for working professionals.

THE INSTITUTE

- 2.1 Historical Background**
- 2.2 Location**
- 2.3 Campus**
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- 2.6 Admission Procedure**
- 2.7 Students**
- 2.8 Examination and Evaluation**
- 2.9 Hostels**
- 2.10 Extra-curricular Activities**
- 2.11 Training and Placement**

2.1 HISTORICAL BACKGROUND

Motilal Nehru National Institute of Technology (erstwhile Motilal Nehru Regional Engineering College) Allahabad came into existence in 1960 along with seventeen other Regional Engineering Colleges. The Regional Engineering Colleges had twin objectives, one, to create and nurture engineers and second, to integrate the nation by mandatorily inducting students from all over the country. The governance was shared by the respective State and the Centre. The Institute was affiliated to the University of Allahabad as its Faculty of Engineering, until year 2000. In 2002, the College was renamed as **Motilal Nehru National Institute of Technology** and the governance was taken over fully by the Government of India. In 2007 the Institute was declared as Institute of National Importance by an Act of Parliament. Year 2010-11 celebrated the completion of 50 glorious years of its existence.

The foundation stone of the college building was laid by the architect of modern India, Pandit Jawahar Lal Nehru in 1961 and the building was inaugurated by another illustrious son of the soil Shri Lal Bahadur Shastri in 1965.

In 1961 the first batch of 100 students was admitted to three Bachelor of Engineering (B.E.) programmes, viz. Civil, Mechanical and Electrical Engineering. The Master of Engineering programme (M.E.) began in 1967 with two programmes in Mechanical Engineering followed by three programmes in Civil Engineering in 1971. In 1973 the Institute was identified as Quality Improvement Programme Centre for M.E. and in 1975 for Ph.D., in Mechanical Engineering. The first Ph.D. was awarded in 1975 in Mechanical Engineering. To add a new dimension to itself, the Institute established School of Management Studies in 1996, which offers a two year/four semester post graduate degree programme in Management (MBA).

At present MNNIT is proud to offer 09 B.Tech., 25 M.Tech. as well as MCA, MBA, MSc and MSW program and doctoral programs in all disciplines of engineering, applied sciences, social sciences and management, to around 4000 undergraduate, 2000 post graduate and 200 doctoral students, through fourteen academic departments/ schools/ cells. The students come from all the States as

also from many other countries, including SAARC and Middle-east Asia, Europe, USA and New Zealand.

The infrastructure of the Institute is at par with the best Institutions in the country, the Computer Centre has state-of-the-art computing facilities, departments have modern laboratories and the library houses print as well digital learning resources. Most of the class rooms are air conditioned and equipped with multimedia pedagogical tools. The entire campus, including hostels, executive development centre and residential area is connected with 1.25 Gbps internet connectivity.

2.2 LOCATION

The city of Allahabad is situated at the confluence (Sangam) of three rivers Ganga, Yamuna and the mythological Saraswati. The earlier settlements of Aryans were established in this city, then known as Prayag, later it became the capital of the glorious Guptas. In 1583, Emperor Akbar built the fort at Sangam, where lies the Ashoka pillar, 11m high dating back to 232 B.C., having inscriptions of Samudragupta and Jehangir. The city was later ruled by the Marathas. It was finally ceded to the British by the Nawab of Awadh in 1801. In the 20th century, the city became the nerve centre of India's freedom movement. Allahabad is known for academic ambience and presently houses six national level Institutes /Universities.

2.3 CAMPUS

The Institute is spread over in an area of 222 acres on Lucknow-Allahabad highway near the banks of the river Ganga in Teliarganj locality. The campus is divided into three parts:

- (i) Academic Campus housing Academic and Administrative Building, Banks, Sports field, Tennis Courts and Gymnasium, Hostel for P.G. Students and Multipurpose Hall.
- (ii) Hostel area housing hostels for male students, Student Activity Centre and Industrial Estate.
- (iii) Residential area housing faculty and staff quarters, Executive Development Centre, Girls' hostel, International hostel and Health Centre.

The first Prime Minister of India, Pt. Jawahar Lal Nehru had laid the foundation stone on May 3, 1961.

The main building was inaugurated by another illustrious son of India, late Prime Minister Sri Lal Bahadur Shastri on April 18, 1965. A quiet and congenial atmosphere for studies and research at the highest level prevails in the campus.

The Institute is about 9 km from Allahabad Junction Railway Station and about 4 km from the Prayag Railway station and 16 km from Bamrauli Airport.

2.4 ADMINISTRATION

Board of Governors is the apex administrative body. The Director is the Principal Academic and Executive Officer of the Institute and is responsible for the proper administration of the Institute and for imparting instructions, maintenance of discipline therein. Director is assisted in his day to day work by Deans, Heads of the departments, Faculty-In-Charge for various functions, Registrar, other officers and various Committees.

2.5 ACADEMIC PROGRAMMES

The Institute offers nine B. Tech, twenty five M. Tech, MCA, MBA, MSW and M.Sc. programmes. It also offers doctoral programmes in all the disciplines of Engineering, Sciences, Management, Humanities and Social Sciences.

2.6 ADMISSION PROCEDURE

B. Tech.

Admissions are made on the basis of JEE (Mains) and counseling is conducted by CSAB, on behalf of the Govt. of India, MHRD.

M. Tech.

Admissions to the regular M. Tech. Programmes are made only on the basis of the GATE score through Centralized Counseling for M.Tech. admission in NITs (CCMT). Admissions to M.Tech. (Part Time) and M.Tech. (Sponsored) programmes are made on the basis of national-level test and interview conducted by the Institute. Further, admissions to M.Tech. programme are also offered under the QIP scheme of AICTE.

MBA

Admissions to the M.B.A. programme are made on the basis of the combined merit of CAT (conducted by IIMs) percentile and the GD and PI conducted by the Institute.

MCA

Admissions to M.C.A. programme are made on the basis of the rank in NITs MCA Common Entrance Test (NIMCET).

M.Sc. (Mathematics and Scientific Computing)

Admissions to M.Sc. (Mathematics & Scientific Computing) programme are made on the basis of the rank of Joint Admission Test for M.Sc.(JAM) conducted by IITs and counseling conducted by CCMN.

MSW (Master of Social Work)

Admissions to M.S.W. programme are made on the basis of the rank in national-level test conducted by the Institute.

Ph. D.

Admission to Ph.D. (Regular/ Part-time / Sponsored) programme are conducted on the basis of the rank in national-level test conducted by the Institute followed by a personal interview.

2.7 STUDENTS

The Institute admits 814 students through JEE (Mains) and 123 through DASA Programme to nine undergraduate programmes, 475 students to various M.Tech. programmes, 93 to MCA, 93 to MBA, 23 in M.Sc. and 23 in MSW In addition, 82 students are admitted to doctoral programmes in different branches. Students from countries such as Sri Lanka, Nepal, Bangladesh, Mauritius, Malaysia, Iran, Yemen, Iraq, Palestine, Syria, Saudi Arabia and Thailand also join MNNIT for various academic programmes. Teachers from other Institutions come here to pursue M.Tech. and Ph.D. under QIP scheme as well as under self sponsored scheme. Large number of industry executives also join for Ph.D. programmes either as full time or part time (off campus) candidates.

2.8 EXAMINATION AND EVALUATION

The examination process is continuous, learning-oriented and transparent. Students' performance is evaluated on the basis of one mid term and one

end term examination for each course, along with teacher's assessment, which is based on regularity of attendance, submission of assignments and class participation. The Institute is following a grading system with eight letter grades to denote various levels of performance.

The academic performance of each student is reviewed by a Committee consisting of the Chairman SUGC/ SPGC, the Dean (Academic) and the DUGC/ DPGC Conveners at the end of each semester including summer semester. The academic performance is evaluated on the basis of grades obtained in courses registered, SPI and CPI.

2.9 HOSTELS

The Institute is a fully residential institution. At present there are seven boys' hostels, which are named after Purushottam Das Tandon, Pt. Madan Mohan Malviya, Bal Gangadhar Tilak, Sardar Vallabh Bhai Patel, Kaviguru Ravindra Nath Tagore, Sir C. V. Raman and Swami Vivekananda. Besides these Boys' hostels, one is exclusively for PG students. Presently the Institute is having two girls' hostels located inside the campus for accommodating girl students. They are named after Sarojni Naidu and Kamala Nehru. An International House for Ph.D. students is also located inside the campus. Hostel Messes are managed by nominated student representatives under the overall supervision of Chief Warden and team of Warden In-charge Boys' & Girls' Hostel and Warden-I/ Warden-II.

2.10 EXTRA-CURRICULAR ACTIVITIES

The Institute provides ample avenues for the development and nurturing of creative and other talents in the students through Student Activity Centre (SAC). All the activities are managed by students under the guidance of President, SAC and a team of Faculty In-Charges, Coordinators and Committees for various events. The SAC provide avenues for Cultural, Technical and Managerial events, Personality development, Athletics, Indoor and Outdoor games, Yoga and other activities. The SAC also facilitate and encourage the students to take part in similar events in other institutions.

Student Activity Centre (SAC)

Motilal Nehru National Institute of Technology Allahabad has been known for its excellence, academically, and the students keep raising the bar for themselves by proving to be a step ahead of the crowd, time and again. The institute, at the same time, also has records of achievements in curricular as well as extra-curricular activities. An extremely crucial role is played by Student Activity Centre of the institute in facilitating the activities and reaching out to the students. The prime locations under the SAC are Students' Clubs, Boys' SAC and Girls' SAC, Multipurpose Hall and Gymkhana. The student activity center hires pool of part-time coaches for various events on yearly basis to groom the talents of the students. At present about 10 numbers of coaches are working and extending their services two-hour every day.

Gymkhana

Gymkhana is a student governed organization that cultivates leadership, encourages students to participate in outdoor activities, and provide facilities for games and sports. The staff members monitor activities of Gymkhana and help students in organizing and managing their functions. Gymkhana provides facilities for out-door games like Athletics, Cricket, Football, Volleyball, Hockey, Badminton, Basketball, Baseball, Lawn Tennis, Table Tennis, Kabaddi, Gymnastics, Yoga Exercises, Boxing, Karate, etc.

Each game and activity is looked after by a Captain and a faculty coordinator. Captain of the game is nominated by the Faculty Incharge and President, SAC. All the games are properly run with the assistance of SAS officer and Gymkhana staff.

Students' Clubs

Student's Club is divided into sections such as (i) Literary events and media (ii) Community Development (iii) Personality Development (iv) Quiz Club (v) Photography Club (vi) Robotics (vii) Aeromodelling Club (viii) Computer Coding Club (ix) Technical events, (x) Music Club, (xi) Dance Club, (xii) Dramatics, (xiii) Arts & Painting, (xiv) SPIC MACAY events, (xv) Yoga Center. Each activity/club is looked after by a Faculty Coordinator. The Committee of students are elected under the guidance of Faculty Incharge

and nominated by the President SAC.

Activities Organised Under SAC

Following events have been organized during the period from April 1, 2016 to March 31, 2017 by the SAC.

S. No.	Name of the Festivals/Events	Events Date
1.	Culrav (Annual Cultural Festival)	April 02-06, 2016
2.	Rashtriya Ekta Saptah (MHRD)	April 10-17, 2016
3.	International Yoga Day	June 21, 2016
4.	Yaad Karo Qurbani "Azadi 70" (MHRD)	August 09 -23, 2016
5.	Spicmacay (Pt. Bhajan Sapori)	August 20, 2016
6.	Personality grooming Activities	August 30, 2016
7.	Avishkar & Gnosomania (Annual Techno-management festival)	Sep 28, 2016 to Oct 01, 2016
8.	Constitution Day (MHRD)	Oct 31, 2016 to Nov 06, 2016
9.	Coke –Studio night (Music shows)	December 24, 2016
10.	Annual Athletics Meet	Feb 02-04, 2017
11.	Eloquence (Annual literary festival)	Feb 22-24, 2017
12.	Culrav (Annual Cultural Festival)	March 24-27, 2017

The personality development workshop was marked by the presence of motivational speaker, Mr. Vivek Bindra. The annual technomanagement festival Avishkar 2016 witnessed the participation of the following personalities in GnoTalks

- (i) Mr. Amish Tripathi, Indian author, known for his novel The Immortals of Meluha
- (ii) Mr. Varun Grover: Comedian
- (iii) Mr. Rahul Ram: Indian bass guitarist, social activist and music composer
- (iv) Mr. Anurag Rao, Musician
- (v) Mr. Sanjay Rajoura, stand up artist and actor
- (vi) Mr. Ashok Khemka, Senior Indian Administrative Service Officer
- (vii) Mr. Rajat Kapoor, Actor, Mumbai
- (viii) Mr. Nitish Bharti, Sand Artist

- (ix) Mr. Aryapriya Ganguly and Mr. Somnath Chanda: Quiz Master

Annual literary festival Eloquence -17 was organized during March 22-24, 2017 with an aim to bring about personality development and communications skills development of participating students, along with the creation of a learning and atmosphere of literary art.

The Institute also witnessed cultural festival CULRAV 2017 with a wide variety of cultural events. On first day the distinguished poets, Col. V. P. Singh, Dr Vishnu Saxena, Dr. Sarita Sharma, Sri. Sandeep Sharma, Sri. Manveer Madhur, and Sri. Slesh Gautam presented their poetry. Other highlights of the events involved the performance by Ms. Maryna Hryno, a famous model from the Czech Republic and Ms. Shirley Setia, the renowned singer.

The Institute has always provided students the right platform to showcase their talents and bring victory to the Institute by participating in various inter and intra Institute events. The students participated in the following events:

- (i) All India Inter NIT Sports Meet at IIT Roorkee : April 1-3, 2016
- (ii) Sports Festival of IIT BHU (Spardha): October 20-23, 2016 (Runners-up) in Athletics, Table Tennis (Boys), Chess (Girls), Kho-Kho (Boys)
- (iii) All India Inter NIT Sports Meet at NIT Kurukshetra : January 27-30, 2017
- (iv) "SANGRAM" Thae Sports Festival at IIT Roorkee (Athletic) : March 31 to April 02, 2017
- (v) Techfest "Kshitiz" at IIT Kharagpur : September 2-4, 2016
- (vi) Cultural Fest of IIT Kharagpur (Spring Fest): January 20-22, 2017
- (vii) Inter NIT Sports Meet (Athletics & Gym) at MNIT Jaipur : February 26-28, 2016 (Championship)
- (viii) Techfest "Azeotrophy" organized by IIT Mumbai : December 16-18, 2016
- (ix) Techfest of IIT Dhanbad, January 28-29, 2017
- (x) Techfest of NIT Jamshedpur, March 24-26, 2017
- (xi) Techfest "Techkriti 2017" at IIT Kanpur : March 23-26, 2017

(xii) Techfest “Cognizance 2017” at IIT Roorkee :
March 23-28, 2017

(xiii) Techfest “Technex 2016 at IIT BHU :
February 24-26, 2017

Sl.No.	Event	Performance
1.	Kashiyatra , IIT BHU (January 20-22, 2017)	Tech fest Kashiyatra (Winner), General Quiz, Biztech Quiz, Spent Quiz, India Quiz, Mr. Samarth Sukla, Manu Nigotia, Saqib Javed (B.Tech 3 rd year)
2.	Kshitij, IIT KGP (January 27-29, 2017)	Tech Fest Kshitij (winner), Mr. Deepanjan Saha, Anshul Gupta (B.Tech 2 nd Year)
3.	Turbulence (ISM) IIT Dhanbad January 28-29, 2017	Tech Fest Tubulence (winner) Mr. Aditya Singh, Deepak Kumar Patel, Amit Kumar (B.Tech 3 rd Year)
4.	Goldberg’s IIT BHU (February 24-26, 2017)	Technex Fest goldberg’s (winner) Mr. Amarprem, Swanand Shinde, Kunal Gautam, Abshish Kumar Choudhary, Ishan Srivastava (B.Tech 3 rd year)
5.	Technex IIT BHU (February 24-26, 2017)	Technex Fest (winner) Mr. Raghav Raipuria, Abhishek Singh (B.Tech 3 rd Year)
6.	Azeotropy IIT Bombay (March 4-5, 2017)	Azeotropy (winner) Ms. Mansi Agarwal, Vartika Varshney, Nepathya Agarwal, Mr. Kamran Ashraf (B.Tech 2 nd & 3 rd Year)
7.	Multirotor Competition IIT Kanpur (March 23-26, 2017)	Tech Fest Multirotor Competition (winner) Ms. Akansha Sahu B.Tech 2 nd year (First Prize), Sweety Dutta B.Tech 2 nd year (Second Prize)
8.	Cognizance IIT Roorkee (March 23-28, 2017)	Tech Fest Cognizance (winner) Mr. Aditya Singh, Ms. Garima Singh, Mr. Amit Kumar (B.Tech 3 rd year)

The most applauding moment was when:

1. The Institute team participated in Sports Festival of IIT Roorkee (Athletics & T.T) , SANGRAM’16 April 01-03, 2016 and the team won Boys Championship with the following medals

(i) Gold	-	14
(ii) Silver	-	9
(iii) Bronze	-	8

With Special Honour & Best Athletec (Brijendra Mani Pandey)

1. The Institute Athletic Team Participated in All India Games & Sports Festival “SPARDHA” (Athletics & T.T) at IIT BHU during October 20-23, 2016. The Institute won Boys Championship with the following medals

(i) Gold	-	09
(ii) Silver	-	05
(iii) Bronze	-	12

2. All India Inter NIT Sports Meet at NIT Kurukshera (Athletic & Gym Activity), during March 6-8, 2017, the Institute was OVERALL CHAMPION in the competition. The Institute won the following medals:-

(i) Gold	-	15
(ii) Silver	-	08
(iii) Bronze	-	09

3. The Institute Athletic Team of 6 members only Participated in ‘SANGRAM’ the Sports Festival (Athletics) at IIT Roorkee during March 31 to April 02, 2017. The Institute won the following medals

(i) Gold	-	03
(ii) Silver	-	04
(iii) Bronze	-	01

On accounting the various events irrespective of their genre, the Institute has shown its constant effort and support to the students on a higher scale. The students have also given justice in bringing name and fame to the Institute with their remarkable performances and glorious results. The very idea of letting students perform in various activities apart from academic oriented programs is of incredible value and importance.

2.11 TRAINING AND PLACEMENT

Campus Recruitment Programme conducted by this Institute is a very vital activity. A very close interaction between the students and the company

executives has created excellent placement record. The student members of the placement Committee actively participated in organizing campus recruitment programmes. By hard work and dedication, our students have created enviable position in Indian Industries. The Institute has excellent record of assuring jobs in prestigious organizations before they leave the Institute. Over 220 companies visited the Institute during the year

2016-17 for Campus Selection. Our students from B.Tech (Computer Science and Engineering) got a record offer of Rs. 29.5 LPA (CTC) from D.F. Shaw Besides this, the Department also arranges Summer Training Programme for students of B.Tech. 6th Semester and MBA 2nd Semester. The following tables give the statistics of placement for the passed out Batch 2016-17.

For B. Tech. Courses

Course	Discipline	No. of Students	Eligible Students	Students Placed	Jobs Offered	%age
B. Tech	Biotechnology	30	23	20	23	86.96
	Chemical Engineering	40	36	28	31	77.78
	Civil Engineering	106	68	50	56	73.53
	Computer Science & Engineering	173	163	154	174	94.48
	Electrical Engineering	82	66	54	60	81.82
	Electronics & Communication Engineering	157	137	113	121	82.48
	Mechanical Engineering	154	109	93	111	85.32
	Production & Industrial	44	36	25	30	69.44
	Information Technology	99	92	81	90	88.04
	Total		885	730	618	696

For Master Courses

Course	Eligible Students	Students Placed	Jobs Offered	% age
M. Tech.	302	128	151	42.38
MCA	88	55	58	62.5
M.Sc.	14	4	04	45.45
MBA	35	26	33	74.29
MSW	07	00	00	00
Total	446	213	246	44.92

Year-wise Placement details of B. Tech. Students

Department	2016-17		2015-16		2014-15	
	Eligible	Placed	Eligible	Placed	Eligible	Placed
Biotechnology	23	20	33	25	30	18
Chemical	36	28	39	32	36	24
Civil	68	50	78	30	70	40
Computer Science	163	154	159	149	154	131
Electronics & Communication	137	113	64	54	132	102
Electrical	66	54	141	124	65	51
Information Technology	92	81	84	75	124	94
Mechanical	109	93	113	81	31	21
Production & Industrial	36	25	30	23	74	62
Total	730	618	741	593	716	543

GENERAL FACILITIES AND SERVICES

- 3.1 Computer Centre
- 3.2 Mechanical Workshop
- 3.3 Laboratories
- 3.4 Centre for Interdisciplinary Research [CIR]
- 3.5 Centre for Medical Diagnostics and Research [CMDR]
- 3.6 Central Library
- 3.7 School for Non-Formal and Continuing Education [SNFCE]
- 3.8 Intellectual Property Right Cell [IPR Cell]
- 3.9 NCC and NSS
- 3.10 Institute Health Care Centre
- 3.11 Vehicle Section
- 3.12 Women Grievance Cell
- 3.13 Alumni
- 3.14 Canteen
- 3.15 SC/ST and Reservation Cell
- 3.16 Executive Development Centre [EDC]

GENERAL FACILITIES AND SERVICES

3.1 COMPUTER CENTRE

The Computer Centre is equipped with 300 state of the art Pentium machines with Windows and LINUX environment. The Computer Centre is solely responsible for keeping computation related facilities available to each and every member of MNNIT Allahabad. Computer Center provides Email, Web, DNS, FTP, Internet access, HPC and other services 24 hours and 365 days a year. Computer Centre also provides various advanced and special purpose software for all the campus users. 24x7 internet connectivity with 1200 Mbps [1000 Mbps (1:1) from NKN (through Railtel), 200 Mbps (1:1) from BSNL] is provided using optical fiber backbone covering departments, student hostels and residential areas. Both wired and wireless internet connectivity is available in the campus.

3.2 MECHANICAL WORKSHOP

Mechanical Workshop is one of the Central facilities of Motilal Nehru National Institute of Technology Allahabad. Mechanical Workshop has seven different shops such as; Machine Shop, Welding Shop, Carpentry, Sheet Metal, Fitting, Foundry and Smithy.

All B.Tech. first year students (all branches), B.Tech 4th, 5th, 6th, 7th and 8th Semester of Mechanical and Production Engineering perform their practical. As per new curriculum, the M. Tech. CAD/CAM, Mechanical and Production Engineering (regular & part time) students also have to perform the practical in different shops of Mechanical Workshop. In Mechanical Workshop, the project of Ph.D. Research Scholars are also fabricated and manufactured.

3.3 LABORATORIES

Applied Mechanics

- (i) Experimental Solid Mechanics PG Laboratory
- (ii) Biomedical Engineering PG Laboratory
- (iii) Material Development PG Laboratory
- (iv) Fluids Engineering PG Laboratory
- (v) Computational PG Laboratory
- (vi) Strength of Material Laboratory
- (vii) Material Science & Engineering Laboratory
- (viii) Fluid Mechanics & Hydraulic Laboratory

- (ix) Structural Analysis Laboratory
- (x) DST-FIST Computational Laboratory
- (xi) Departmental Workshop
- (xii) Engineering Mechanics Laboratory
- (xiii) Fluid Research Laboratory
- (xiv) Solid Mechanics Research Laboratory

Biotechnology

- (i) Laboratory-I
- (ii) Laboratory-II
- (iii) Bioinformatics Laboratory
- (iv) Green house Laboratory
- (v) Experimental field Laboratory

Civil Engineering

- (i) Structural Engineering Laboratory
- (ii) Geotechnical Engineering Laboratory
- (iii) Environmental Engineering Laboratory
- (iv) Transportation Engineering Laboratory
- (v) Survey Laboratory
- (vi) CAD Laboratory
- (vii) Geology Laboratory

Chemical Engineering

- (i) Chemical Reaction Engineering Laboratory
- (ii) Chemical Technology Laboratory
- (iii) Computer Aided Design Laboratory
- (iv) Environmental Engineering Laboratory
- (v) Fluid Particle Mechanics & Mechanical Operation Laboratory
- (vi) Mass Transfer Laboratory
- (vii) Process Dynamics & Control Laboratory

Chemistry

- (i) Undergraduate Chemistry Laboratory

Computer Science and Engineering

- (i) Computing Laboratory
- (ii) Database/ Data Mining Laboratory
- (iii) SOA/ Distributed Computing Laboratory
- (iv) Embedded System/ Real Time System Laboratory
- (v) Computer Architecture / Microprocessor Laboratory
- (vi) Computer Network / Wireless Network Laboratory
- (vii) Image Processing/ Computer Vision Laboratory
- (viii) Software Testing Laboratory
- (ix) Verification & Validation Laboratory

Electrical Engineering

- (i) Computer Simulation Laboratory
- (ii) Virtual Instrumentation Laboratory
- (iii) Power Electronics Laboratory
- (iv) Control System Laboratory
- (v) Electrical Machine & Power System Laboratory
- (vi) Measurement & Instrumentation Laboratory
- (vii) Departmental Research Unit (DRU)

Electronics & Communication Engineering

- (i) Basic Electronics Laboratory
- (ii) Advanced Electronics Laboratory
- (iii) VLSI Laboratory
- (iv) Computer Architecture Laboratory
- (v) Communication Laboratory
- (vi) Project and PCB Laboratory
- (vii) Microwave Laboratory
- (viii) PARAM Laboratory

Mechanical Engineering

- (i) Machine Tool & Advanced Machining Laboratory
- (ii) Materials Characterization Laboratory
- (iii) Machine Elements Laboratory
- (iv) Computer Aided Design Laboratory
- (v) Computer Aided Manufacturing Laboratory
- (vi) Instrumentation Laboratory
- (vii) Automobile Engineering Laboratory
- (viii) Internal Combustion Engine Laboratory
- (ix) Heat & Mass Transfer & Solar Energy Laboratory
- (x) Mechatronics and Virtual Instrumentation Laboratory
- (xi) Product Design and Manufacturing Laboratory
- (xii) Computational and Industrial Engineering Laboratory
- (xiii) Refrigeration and Air Conditioning Laboratory
- (xiv) System Engine Laboratory
- (xv) Steam Engine Laboratory

Physics

- (i) Undergraduate Physics Laboratory
- (ii) Research Laboratory-I
- (iii) Research Laboratory-II

SMS

- (i) Systems Laboratory
- (ii) Behavior Dynamics Laboratory
- (iii) Research Scholars Laboratory

HSS

- (i) Language Laboratory

GIS Cell

- (i) Geoinformatics Laboratory -I
- (ii) Geoinformatics Laboratory-II

3.4 CENTRE FOR INTERDISCIPLINARY RESEARCH (CIR)

The Centre for Interdisciplinary Research (CIR) was established by the Institute in order to promote cross-interdisciplinary research. The centre was inaugurated by Prof. P. Chakrabarti Director, MNNIT Allahabad on Nov. 28, 2012. In view of the dramatic developments in the field of Science and Technology research, CIR has been established in the Institute to keep pace with current cutting edge research.

One of the primary objectives of the Institute is to provide best research and analytical facilities for its entire undergraduate, postgraduate, research scholars and faculty. With this vision, the CIR has been established in the Institute. In addition to serving the Institute, the Centre welcomes researchers from all over the country to use the facility at nominal cost. The Centre also looks forward for collaborative research programme with other leading Technical Institutions/ Universities and Research Laboratories. The functioning of CIR is being coordinated by a core committee and a technical committee constituted by the Director from among the faculty members of the Institute.

3.5 CENTRE FOR MEDICAL DIAGNOSTICS AND RESEARCH (CMDR)

Vision

To provide affordable diagnostic services to all classes of society in the region and offer a high end facility to the researchers which can in turn be used to support the patients in their diagnosis

Objectives

- (i) To provide affordable routine as well as critical diagnostic services to the patients.
- (ii) To offer best-in-class research facility to investigators from MNNIT as well as outside.
- (iii) To disseminate the knowledge among young students to undertake global medical challenges.

- (iv) To facilitate partnerships and interdisciplinary collaborations with medical as well as academic Institutes, research laboratories and pharmaceutical industries worldwide working in clinical and medical areas.
- (v) To provide awareness in the society through seminars, workshops and conferences.
- (vi) To offer consultancy services to Institutes/ organizations/ other stake holders.

List of Laboratories

- (i) Molecular Diagnostic Laboratory
- (ii) Microbiology Laboratory
- (iii) Immunodiagnostic and Tissue Culture Laboratory
- (iv) Biosafety Culture Laboratory (Class II)
- (v) Central Instrumentation Facility

Publication in Journals International

1. Liu, Shiliang, Rongjie Yang, Jun Yang, Tongpei Yi, Huixing Song, Mingyan Jiang, Durgesh K. Tripathi, Mingdong Ma, and Qibing Chen. "Differentiating *Thamnocalamus Munro* from *Fargesia Franchet* emend. Yi (Bambusoideae, Poaceae): novel evidence from morphological and neural-network analyses." *Scientific Reports* 7 (2017) (Nature).IF:5.2
2. K. Vishwakarma, S. Gaur, N. Upadhyay, J. Singh, D. K. Tripathi, D. K. Chauhan and S. Sharma, (2017). Differential phytotoxic impact of plant mediated silver nanoparticles (AgNPs) and silver nitrate (AgNO₃) on Brassica sp. *Frontiers in Plant Science*, 8, 1501.IF:4.29
3. N. Upadhyay, K. Vishwakarma, J. Singh, M. Mishra, V. Kumar, R. Rani, R. K. Mishra, D. K. Chauhan, D. K. Tripathi, and S. Sharma (2017). Tolerance and reduction of chromium (VI) by *Bacillus* sp. MNU16 isolated from contaminated coal mining soil. *Frontiers in plant science*, 8, IF:4.29
4. D. K. Tripathi, R. K. Mishra, S. Singh, S. Singh, K. Vishwakarma, S. Sharma, V. P. Singh, P. K. Singh, S. M. Prasad, N. K. Dubey and A. C. Pandey (2017). Nitric Oxide Ameliorates Zinc Oxide Nanoparticles Phytotoxicity in Wheat Seedlings: Implication of the Ascorbate–Glutathione Cycle. *Frontiers in plant science*, 8, IF:4.29
5. D. K. Tripathi, A. Tripathi, S. S. Shweta, Y. Singh, K. Vishwakarma, G. Yadav, S. Sharma, V. K. Singh, R. K. Mishra, R. G. Upadhyay and N. K. Dubey 2017. Uptake, accumulation and toxicity of silver nanoparticle in autotrophic plants, and heterotrophic microbes: A concentric review. *Frontiers in microbiology*, 8, IF:4.07
6. V. K. Singh, A. Devi, S. Pathania, V. Kumar, D. K. Tripathi, S. Sharma, D. K. Chauhan, V. K. Singh and V. Zorba 2017. Spectroscopic investigation of wheat grains (*Triticum aestivum*) infected by wheat seed gall nematodes (*Anguina tritici*). *Biocatalysis and Agricultural Biotechnology*, 9, pp.58-66. IF:1.6
7. A. K. Bhardwaj, A. Shukla, R. K. Mishra, S. C. Singh, V. Mishra, K. N. Uttam, M. P. Singh, S. Sharma and R. Gopal 2017. Power and time dependent microwave assisted fabrication of silver nanoparticles decorated cotton (SND) fibers for bacterial decontamination. *Frontiers in Microbiology*, 8, IF:4.07
8. K. Vishwakarma, N. Upadhyay, N. Kumar, G. Yadav, J. Singh, R. K. Mishra, V. Kumar, R. Verma, R. G. Upadhyay, M. Pandey and S. Sharma 2017. Abscisic acid signaling and abiotic stress tolerance in plants: a review on current knowledge and future prospects. *Frontiers in plant science*, 8, IF:4.29
9. N Arif, V. Yadav, S. Singh, S. Singh, R. K. Mishra, S. Sharma, D. K. Tripathi, et al. (2016) Current Trends of Engineered Nanoparticles (ENPs) in Sustainable Agriculture: An Overview. *J Environ Anal Toxicol* 6:397. doi:10.4172/2161-0525.1000397. IF:1.51
10. N Arif, V. Yadav, S. Singh, S. Singh, P. Ahmad, R. K. Mishra, S. Sharma, D. K. Tripathi, N. K. Dubey and D. K. Chauhan 2016. Influence of High and Low Levels of Plant-Beneficial Heavy Metal Ions on Plant Growth and Development. *Frontiers in Environmental Science*, 4, p.69.
11. V. Yadav, N. Arif, S. Singh, P. K. Srivastava and S. Sharma, D. K. Tripathi, D. K. Chauhan (2016). Exogenous Mineral Regulation under Heavy Metal Stress: Advances and Prospects. *Biochem Pharmacol* (Los Angel), 5(220), pp.2167-0501.IF:0.76
12. D. Kumar, D. K. Tripathi, S Liu, V. K. Singh, S. Sharma, N. K. Dubey & D. K. Chauhan (2017). *Pongamia pinnata* (L.) pierre tree seedlings offer a

- model species for arsenic phytoremediation. *Plant Gene*. /doi.org/10.1016/j.plgene.2017.06.002
13. S. Singh, D. K. Tripathi, S. Singh, S. Sharma, N. K. Dubey, D. K. Chauhan and M. Vaculik 2017. Toxicity of aluminium on various levels of plant cells and organism: a review. *Environmental and Experimental Botany*. 137, 177-193. IF: 4.36.
14. S. Singh, K. Vishwakarma, S. Singh, S. Sharma, N. K. Dubey, V. K. Singh, S. Liu, D. K. Tripathi. and D. K. Chauhan 2017. Understanding the plant and nanoparticle interface at transcriptomic and proteomic level: A concentric overview. *Plant Gene*. doi.org/10.1016/j.plgene.2017.03.006.
15. N. Upadhyay, S. Verma, A. P. Singh, S. Devi, K. Vishwakarma, N. Kumar, A. Pandey, K. Dubey, R. Mishra, D. K. Tripathi and R. Rani, R. Sharma (2016). Soil ecophysiological and microbiological indices of soil health: a study of coal mining site in Sonbhadra, Uttar Pradesh. *Journal of soil science and plant nutrition*, 16(3), pp.778-800. IF:1.26

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/Co-Author)	Book	Book Chapter	Publisher
1.	D. K. Tripathi, P. Ahmad, S. Sharma, D. K. Chauhan, N. K. Dubey (2017)	Nanomaterials in Plants, Algae, and Microorganisms: Concepts and Controversies: Volume 1.	-	Elsevier
2.	D. K. Tripathi & S. Sharma et al. (2017)	Nanotechnology: Food and Environmental Paradigm	Plants and Carbon Nanotubes (CNTs) Interface: Present Status and Future Prospects.	Springer Nature
3.	N. Arif, D. K. Tripathi, S. Sharma, et al. (2017)	Assessment of Antioxidant Potential of Plants in Response to Heavy Metals. In Plant Responses to Xenobiotics	Plant Responses to Xenobiotics	Springer

Conferences/ Workshops/ Short Term Courses organized by the Centre

Sl. No.	Course	Convener/Coordinator	Month & Year
1.	Short Term workshop on "Advances in Bioscience and Bioengineering"	Dr. Shivesh Sharma Dr. Mayank Pandey Dr. Durgesh Kumar Tripathi	19-25 October, 2016

Invited Lectures Organized

1. A lecture was delivered by Dr. Rupesh Deshmukh, Visiting Professor, Department of Plant Physiology,

Université Laval, Quebec City, Quebec, Canada on 23 March 2017.

Research Projects Ongoing/ Completed

Sl. No.	Principle Investigator/ Coinvestigator(s)	Project Title	Funding Agency	Amount (INR)	Duration (Status)
1.	Project Mentor: Director MNNIT Project Coordinator/PI: Dr. Shivesh Sharma	Design and Innovation Centre	MHRD	1,03,95,000.00	Ongoing
2.	Project Mentor: Dr. Shivesh Sharma	Delineating the role of nano-herbal composites	SERB, DST	32,20,000.00	Completed

PI: Dr. Rohit Mishra

in ergosterol biosynthesis
inhibition in ermatophytes

Other relevant information

The Centre for Medical Diagnostic and Research (CMDR), MNNIT Allahabad, is offering facilities for Ph. D. scholars, M. Tech. and B. Tech. students for

their research. The students and other stakeholders come and utilize the facilities available in the centre for their dissertation and research work.

Staff

Sl. No.	Designation	Name
1.	Coordinator	Dr. Shivesh Sharma
2.	Deputy Coordinator	Dr. Mayank Pandey
3.	Scientific Officer	Dr. Durgesh Kumar Tripathi
4.	Technical Manpower	Mr. Anoop Tripathi Mr. Mewa Lal

3.6 CENTRAL LIBRARY

An area of about 2455.49 sqm. has been occupied by the present Library building. It contains a Reading Hall 388 sq.m in which **120** readers can be accommodated at a time, a Stack-room of 470.42 sq.m having a collection of about 99,190 approx books. A Bound Periodical section having a collection of 17, approx volumes and a sitting capacity of **40** readers at a time. Through e-Shodh Sindhu consortium thousands of e-Journals and Institute subscription 15,064 e-Books can be accessed 24X7. A dedicated facility in the form of e-Resources Access Room with 15 computer terminals is also available for accessing these.

Membership

The membership of the Central Library is open to students, teachers and the other administrative and technical officer and staff of the institute. The present membership is about 5431 approx.

Working Hours

The Library working hours are from 9:00 am to 12:00 midnight. The circulation section remains open from 09:30 am to 07:30 pm on weekdays and from 09:00 am to 05.30 pm on Saturday/ Sunday. A total of approximately 9636 books were transacted during the year.

Collection as on 31-3-2017

Bound periodicals	17,651
Books	99,190
eBooks	15,064

News Paper and Magazine

News paper and Magazine corner is located at 1st floor in the Library. The Library subscribes 22 newspapers (13 Hindi + 09 English) and 22 (10 Hindi + 12 English) popular magazines on different topics.

Internet Access Facility

The Central Library provides 25 internet connections and wi-fi internet connections to its users and majority of students frequently uses on-line journals and e-books for their research activities.

Multimedia Library

Video viewing facility is available for self study through video tapes of course materials and lecturing facility for all users during all working days and Saturdays and Sundays. More than 1343 video tapes are available with the library.

National Programme on Technology Enhanced Learning (NPTEL)

NPTEL provides E-learning through online Web and Video courses in Engineering, Science and Humanities streams. The mission of NPTEL is to enhance the quality of engineering education in the country for access to video courses on <http://172.31.100.75>.

Online Public Access Catalogue (OPAC)

Library has fully computerized catalogue search facility available to users through intranet.

E-Resource

The following e-Resource is available from eShodh Sindhu consortium:

Sl. No.	e-Resources
(i)	ACM Digital Library
(ii)	ASCE Journals Online
(iii)	ASME Journals Online
(iv)	ASTM Standards + Digital Library
(v)	Economic & Political Weekly
(vi)	Emerald CFTI Collection (298 titles)
(vii)	IEEE/IET Electronic Library (IEL) Online
(viii)	Institute for Studies in Industrial Development (ISID) Database
(ix)	JGate Plus (JCCC)
(x)	JSTOR
(xi)	Nature
(xii)	Oxford University Press
(xiii)	Web of Science

NDL e-Resources

- (i) World e-Book Library
- (ii) South Asia Archive (SAA)

Classification & Cataloguing

All the library books are classified as per “Dewey Decimal Scheme of Classification” and catalogued as per “AACR-II rules”.

RFID Implementation

The Central Library has implemented the Radio Frequency Identification (RFID) system. It is the best automated library automation system used world wide and is an effective way of managing collections of the library and providing enhanced services to the users having benefits like: self check-out of books, self-check-in (book drop), to control theft, to find misplaced reading material, sorting, inventory accuracy, stock verification procedures, security control, people counter, smart card issuance, etc. It is an automatic data capture technology that uses tiny microchips and miniature antennas affixed to documents.

Reprographic Services

Provides for the personal use of users the copies of information materials available in library on payment basis.

Textbook Lending Book Bank

The Book bank of the Institute helps the students of U.G. courses and MCA Students by making textbooks available to them from the Book bank for largest duration. About 1866 students were benefited by this scheme and 5598 books were issued during the year.

SC/ST Book bank

Under centrally sponsored scheme for SC/ST students, a total of 179 students of U.G. courses were benefited by this scheme and 1335 books issued to them. Under this scheme no rent is charged from the SC/ST students.

3.7 SCHOOL FOR NON-FORMAL AND CONTINUING EDUCATION (SNFCE)

The Institute offers the opportunity to working engineers in and around Allahabad employed with Industries, Government Departments, Educational Institutions and Entrepreneurs to study for Masters Degree in various disciplines on a part-time basis. These are aimed at improving the standard and quality of technical education through improving of qualifications of the working professionals and faculty members of the government/ Private technical Institute. The classes for these courses are organized in the evening.

M.Tech. (Part-Time) programmes which run under the School for Non Formal and Continuing Education (SNFCE) are of 03 years/ 06 semester duration out of which 02 years are for course work and one year for Thesis/ Dissertation/Projects. The candidates with minimum 02 years of working experience are eligible for admission. All academic requirements for admission and graduation will be same as that of regular/full-time M. Tech programme described in Institute PG Manual.

The Institute provides modernized Lecture Halls, well equipped departmental laboratories, seminar room, computer centre and library in support of smooth running of classes of various M. Tech (Part-Time) Programmes, Faculty Development Programme, Conference/ Seminars, Short Term Courses and Training programme. The actual number of courses for the particular session to be offered is announced through the news papers alongwith other details of application.

It is a self supporting unit within the Institute and participates in organizing seminars, conferences, symposia etc. This unit also organizes short term courses and training programmes to run special course modules and sponsored courses on request from industries and academia.

The cell coordinates the activities of industry needs for academic and continuing education programmes as well as executive development programmes and non-formal education and fosters collaborations for Industry-Institute partnership. A number of Faculty Development Programs (FDPs) have been organized by the SNFCE for the benefit of the faculty members from engineering colleges & persons from industries. The courses have proved very popular and useful.

SNFCE has also coordinated MHRD's Government of India academic improvement programme Global Initiative for Academic Networks (GIAN) in session 2016-17

3.8 INTELLECTUAL PROPERTY RIGHT CELL (IPR CELL)

The Institute IPR cell has been constituted to maintain high standards of academics and to create a suitable environment for creation and protection of intellectual property.

In the year under report, the IPR Cell took following steps towards achieving the objective:

- (i) Subscription to Turnitin software was renewed to check similarity of text with the published material. The login is available to all the Heads of the Departments and faculty of the Institute.
- (ii) Every Ph.D Thesis is mandatorily checked by the 'Turnitin – Anti Plagiarism Web Tool' before submission as per approval of the Senate in its Eleventh (11th) emergent meeting held on 15.07.2014.
- (iii) During 01.04.2016 to 31.03.2017 IPR Cell checked 88 Ph.D theses.
- (iv) The draft IPR policy of the Institute is being reviewed as per guidelines by the Board of Governors.
- (v) With the objective to promote patents and copyrights, a patent agency had been identified by inviting letter of Intent through open tender process; M/s United Overseas Patent Firms, New Delhi. The term was

extended for one more year i.e 10.06.2016 to 09.06.2017.

- (vi) The Institute has filed Thirteen (13) Patents till date, out of which Five (05) patent applications have been filed in the year under report.

Following is the Constitution of the IPR Cell :

- | | | |
|-------|--------------------------|--------------------------------------|
| (i) | Director | Chairman IPR Cell |
| (ii) | Prof. Geetika, SMS | Chairperson , IPR Standing Committee |
| (iii) | Prof. H.N Kar, ECED | Member, Standing Committee |
| (iv) | Prof. Neeraj Tyagi, CSED | Member, Standing Committee |
| (v) | Dr. Shivesh Sharma, OSD | Member, Standing Committee |

3.9 NCC AND NSS

National Cadet Corps (NCC)

NCC wing is quite functional and active at MNNIT. Following were the activities carried out by NCC during 2016-17:

- (i) Enrollment for New NCC Cadets (boys and girls) was completed on August 06, 2016.
- (ii) NCC cadets (SD and SW) performed the parade on the auspicious occasion of 70th Independence Day, 2016.
- (iii) NCC cadets participated in Swachh Bharat Abhiyan on September 28, 2016 at MNNIT, Allahabad.
- (iv) NCC cadets participated in Annual Training Camp, CATC/72 held from October 18-27, 2016 at Triveni Pushp, Arail Naini, Alld.
- (vii) Performed NCC parade and March Past by NCC Cadets on the occasion of Republic Day, 2017.

National Service Scheme (NSS)

NSS wing is quite functional and active at MNNIT. Following were the activities carried out by NSS during 2016-17.

- (i) NSS volunteers participated in "Swachhata Pakhwada" on September 01-15, 2016.
- (ii) NSS volunteers participated in "Run for Unity" race organised on October 31, 2016.
- (iii) NSS volunteers participated in Independence Day programme 2016.

3.10 INSTITUTE HEALTH CENTRE

It is an out-patient centre catering the medical need of approximately 5000 students and all members of faculty and staff & their dependents.

Timing of Health Centre

All working days of the Institute: From 7.30 a.m. to 8.00 p.m.

All Saturdays and Sundays: From 9.00 a.m. to 1.00 p.m.

Facilities

- (i) Consultation & Dispensing of medicines to students, staff & their dependents.
- (ii) Special facilities of E.C.G. & Routine Pathological tesribg.
- (iii) Services of Dental surgeon, Skin specialist, Gynecologist are available on different days.
- (iv) Homeopathic medicines are also being provided under consultation of Homeopathic Consultant.
- (v) Ayurvedic medicines are also being provided under consultation of Ayurvedic Consultant.
- (vi) Physiotherapist is available for all type of physiotherapy.
- (vii) Organization of different camps and talks for benefit and awareness of mass in diseases like Hepatitis, AIDS, Asthma, Diabetes and Arthritis & Blood Donation Camp.

Presently all the works at Health Care Centre are carried out by following staff:

Senior Medical Officer In-charge

Dr. Shailendra Kr. Mishra

Medical Officer

Dr. Shivendra Bisen

Part Time General Duty Doctors

Dr. Sadhna Dwivedi (Lady Doctor)	General Physician
Dr. Shirley Paulson (Lady Doctor)	General Physician

Part Time Specialist Doctors

Dr. Nishant Nigam	Skin Specialist
Dr. S. K. Agarwal	E.N.T Surgeon

Dr. R. N. Mehrotra	Pediatrician
Dr. Puneet Upadhya	Dental Surgeon
Dr. Pushkar Nigam	Neuro Physician
Dr. Avinash Jaiswal	Orthopedic
Dr. Alka	Eye Speclist
Dr. Ravi Rani	Pathologist

Part Time Homoeopathic Doctor

Dr. Karunesh Kumar Singh
Dr. Seema Gupta

Part Time Ayurvedic Doctor

Dr.Sanjay Baranwal

Physiotherapist

Mrs. Deepti Yogeshwar,
Mr. C. Mohd. Soheb

Compounders

Shri Girja Shanker Maurya
Shri Vinod Mishra
Shri R. K. Nirbhay

All pharmacists are managing complete dispensing of medicines and assisting specialist doctors during dispensary hours.

Dressers

Mr. Om Prakash Parasar
Mr. Vijay Kumar
Dressers are there to help in dressing, injections and miscellaneous work of Health Centre during working hours.

Nurses

Smt. Babali Karmakar
Smt. Neha Sharma

Two Nurses to help doctors and carryout other miscellaneous works.

Medical Attendants

Mr. Uday Bhan Singh
Mr. Ratnesh Kumar Pandey
Mr. Ashish Kumar
Mr. Ashish Kumar Srivastava
Mr. Anup Kumar
Mr. Rajesh Singh

Medical attendants cum technician are help in Blood testing, and miscellaneous work of helth center during working hours

Clerk: Smt. Madhu Yadav

3.11 VEHICLE SECTION

Use of motorized vehicles (2-4 Wheelers) by Students in MNNIT Allahabad Campus is banned with effect from 21.07.2011.

Vehicle section has following vehicles through which number of facilities is provided to the students, staff and faculty members of the Institute.

Cars	Numbers
MUV	01
Bus (52 Seater)	02
Ambulance	01
Car	02

Facilities Provided

- (i) Bus facility is provided to students from Institute to Civil Lines on all week days. These are also provided for education tour of students.
- (ii) Bus facility is provided to wards of staff and faculty members to some select schools on select routes on subsidized rates.
- (iii) Vehicles are also provided for any official visit provided approval is accorded by the competent authority.
- (iv) Vehicle is also provided to staff and faculty members for picking and dropping from/to Railway Station, Bus Stand and Airport on payment basis when they are not for official work. The guidelines for availing this facility and requisition slip are provided on the website of the Institute.
- (v) Ambulance facility is free of cost to students. For staff and faculty members, it is on the subsidized rate of Rs. 5/-km.

Bus Service for Students

Bus facilities to students are provided on following route and time-table:

- (i) Institute (MP Hall) to Civil Lines via Anand Bhawan →Balson Crossing→ Medical College Crossing→Indira Bhawan Crossing →Patthar Girija Ghar (Stone Church, Civil Lines).
- (ii) Return by the same route.

Terminus

Near "Patthar Girija Ghar (Stone Church)" (Civil Lines)

Schedule

For Saturday and Sunday

Trip No.	From Institute	From Civil Lines
1	1100 hrs	1230 hrs
2	1430 hrs	1530 hrs
3	1700 hrs	1930 hrs
4	2030 hrs	2130 hrs

For Monday to Friday

Trip No.	From Institute	From Civil Lines
1	1800 hrs	1900 hrs
2	1930 hrs	2000 hrs
3	2030 hrs	2130 hrs

Stoppage: Ganga gate, Crossing for Prayag Station, Anand Bhawan, Hindu Hostel Crossing, Maha Devi Verma Crossing, Hot-stuff Crossing, Stone Church Crossing.

Students are required to carry a valid Institute ID card to avail this service.

Human Resource

Two full time drivers are there in the vehicle section. For rest of the services, manpower is hired through Manpower Providing Agency.

3.12 WOMEN GRIEVANCE CELL

Women Advisory Cell has been constituted in accordance with the guidelines issued by Government of India to consider complains related to any sexual discrimination/ harassment of woman in the Institute. At Motilal Nehru National Institute of Technology Allahabad, various measures are taken to ensure a congenial environment where everyone feels comfortable to perform without any kind of discrimination.

Activities in the Year 2016-17

- (i) Workshop on 'Gender Sensitivity at Workplace'

Women Advisory Cell (WAC), Motilal Nehru National Institute of Technology Allahabad conducted a one day Workshop titled 'Gender Sensitivity at Workplace' on 27th March, 2017, sponsored by TEQIP-II. The Chief Guest was Prof.

G. C. Tripathi (Vice-Chancellor, Banaras Hindu University).

Various eminent experts were called upon to deliberate in the workshop. Prof. J.P. Joshi (HR Business Partner, Schneider Electric) was the expert in the first session of the workshop. He deliberated upon the practical techniques relating to the implementation of gender-sensitivity practices at workplace. Prof. Sangeeta Srivastava (Chairperson Woman Advisory Board University of Allahabad and Head, Home Science Department, University of Allahabad) was the expert of the second session.

The workshop was attended by the faculty members of the Institute, staff members and other officials; participants from other colleges of Allahabad also participated to gain knowledge from the workshop. Eight Faculty members from College of Engineering Perumon, Kerala also registered for the Workshop and attended the same.

(ii) Display of Information

Hoardings have been placed at strategic points in the Institute to highlight what may comprise Sexual Harassment as also the penalties to deter occurrence of any such event. Contact details of chairperson are given on the hoarding for everyone's benefit.

In pursuance of the Department of Higher Education, Ministry of Human Resource and Development Office Memorandum No.32-5/2015. TS III dated 17th August, 2015 two Committees have been formed for dealing with matters of Women Grievances pertaining to employees and students of the Institute:-

Women Advisory Cell (WAC)

Sl. No.	Name	Designation
1.	Prof. Geetika, Professor, SMS	Chairperson
2.	Dr. Richa Negi, Associate Professor, EED, Chairperson, Institute Grievance Committee	Member
4.	Dr. Vibhuti Tripathi, Assistant Professor, SMS	Member
5.	Dr. Radha Rani Mewaram, Assistant Professor	Member
6.	Mrs. Manisha Yadav,	Member

7.	Ms. Sushmita Kanungo, Principal, MPVM, Allahabad	Assistant Registrar [Academic] External Member
8.	Ms. Shalini Agrawal, Chief Functionary, NGO Aastha, Allahabad	External Member
9.	Ms. Akanksha Shukla, Reg. No. 2014RMS01, Research Scholar, SMS,	Student Member
10.	Ms. Harshita Raj, Reg. No. 2014EE18, M.Tech. II nd Year, EED	Student Member
11.	Ms. Rushali Chaurasiya, Reg. No. 20128081, B.Tech. Final Year, ECED	Student Member

Internal Complaints Committee [ICC]

1.	Prof. Geetika	Chairperson, Women Grievance Cell
2.	Prof. P. K. Dutta, Chairperson, Institute Grievance Committee	Member
3.	Dr. Richa Negi, Associate Professor, EED	Member
4.	Ms. Shalini Agarwal, Aastha NGO, Colonelganj, Allahabad	Expert Member
5.	Mrs. Manisha Yadav, Assistant Registrar [Academic]	Member

3.13 ALUMNI

Activities organized by Alumni Association during 1st April 2016 to 31st March 2017 are as under:-

Executive Committee Meeting

- (i) 24 Sep. 2016 at 12.00 noon at Conference room, MNNIT Alumni Association
- (ii) 25 Jan. 2017 at 12.00 noon at Conference room, MNNIT Alumni Association

Meeting of HOD's and Alumni Association Officer bearers was scheduled on April 06, 2016 in the Conference room of MNNIT Alumni Association (Room No.204, EDC) at 05:00 P.M.

Press Conference-2016 was held on 11 November 2016 at 12.30 pm at Conference room of MNNIT Alumni Association.

Alumni Convention-2016 was held on November 12-13, 2016.

Financial assistance was given to the following students:-

- (i) Mr. A. Sunny – 20130016 B.Tech. 3rd Year Biotech.
- (ii) Mr. Uma Shankar Yadav – 2016MW05 B.Tech. 1st Year CSED
- (iii) Mr. Egala Jagadeesh – 20156046 B.Tech 2nd Year CHED
- (iv) Mr. Puneet Tiwari – 20146033 B.Tech. 3rd Year ECED

Other Activities are as follow:

- (i) Alumni Holi Milan Meet: April 03, 2016
- (ii) Investor Education Programme: June 11, 16
- (iii) Visit to Mango Orchards: July 03, 2016
- (iv) Tree Plantation Drive: July 17, 2016
- (v) Special Pre-Convocation Meet: Oct. 23, 2016

3.14 CANTEEN

The Institute campus has excellent eating outlets, that serve food and cafeteria items at reasonable prices. The outlets are managed by:

- (i) M/s Amit Goyal
- (ii) M/s Rajesh Gupta
- (iii) M/s Ram Pher Yadav
- (iv) M/s Radhey Shyam Dwivedi
- (v) M/s P. K. Talwar
- (vi) M/s Teerath Raj
- (vii) M/s Anil S. Pillai
- (viii) M/s Raj Bhan Tiwari
- (ix) M/s Lal Bahadur
- (x) M/s Ambika Prasad Ojha
- (xi) M/s Desh Raj
- (xii) M/s Surendra Nath Yadav
- (xiii) M/s Ashish Agrawal
- (xiv) M/s JMD Canteen (Bikanerwala)
- (xv) M/s Mood Ka Food
- (xvi) M/s Janta Bazar Control

3.15 SC/ ST AND RESERVATION CELL

SC/ST Cell has been constituted in the Institute to resolve all the affairs and problems related to the SC/ST Officers, Employees, and Students of the Institute.

Composition

(A) Regular members

- (i) Prof. Rakesh Narain, MED Chairman
- (ii) Dr. S. J. Pawar, AMD Convener
- (iii) Dr. Audhesh Narain, MED Member

- (iv) Dr. Radharani Mewaram, Member
Biotech.
- (v) Dr. Pramod Kumar Yadav, Member
Maths
- (vi) Sri. Monujeet Dayal, AMD Member
- (vii) Sri. Ranjeet Kumar Nirbhay, Member
Health Centre
- (viii) Registrar (ex-officio) Member

(B) Student members for Acad. Year 2016-17

- (i) Mr. Abhishek Kumar Saroj, Ph.D. Member
MED
- (ii) Mr. Rudar Kumar Gautam, P.G. Member
ECED
- (iii) Ms. Anjali Gautam, MED Female Member
- (iv) Mr. Aazad Rathi, MED U.G. Member

Reservation Cell

Reservation Cell takes care of Central Government reservation policy in the recruitment/promotion process. All advertisement for recruitment of faculty/ non-faculty is routed through reservation cell. The reservation Cell is created under the direct control of Liaison Officers. Following Liaison Officers have been nominated by the Institute.

Dr. Rakesh Kumar – Liaison Officer, OBCs
Dr. S. J. Pawar, - Liaison Officer, SCs/STs (also looks after PwDs)

3.16 EXECUTIVE DEVELOPMENT CENTRE (EDC)

EDC has 24 AC and 03 Non-AC rooms as per the following layout:

Rates

Cat.	Type of Accommodation	Tariff for Rooms	
		AC	Non-AC
Official	Single Occupancy	₹ 300/-	₹ 200/-
	Double Occupancy	₹ 350/-	₹ 250/-
Non-official	Single Occupancy	₹ 500/-	₹ 400/-
	Double Occupancy	₹ 600/-	₹ 450/-

Capacity

Floor	No. of Rooms / Hall
Ground Floor	02 [Meeting Hall & Dining Hall] 04 AC Rooms
1 st Floor	05 AC & 01 Non AC Rooms
2 nd Floor	06 AC & 01 Non AC Rooms
3 rd Floor	09 AC & 01 Non AC Rooms

ADMINISTRATIVE BODIES

- 4.1 Board of Governors
- 4.2 Finance Committee
- 4.3 Building and Works Committee
- 4.4 Senate

4.1 BOARD OF GOVERNORS

Constitution of Board of Governors as per Section 11 of NITs Act 2007 [29 of 2007]

The Chairperson to be nominated by the Visitor

Shri Vijay K. Thadani Vice Chairman & Managing Director NIIT Limited Plot No. 85, Sector 32 Gurgoan, Haryana-122001 & Registered Office: 8, Balaji Estate, First Floor, Guru Ravi Das Marg, Kalkaji New Delhi-110019	Chairman
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The Director, Ex-Officio Member

Prof. P. Chakrabarti Director Motilal Nehru National Institute of Technology Allahabad	Member [upto 30.06.2016]
Prof. S. K. Duggal Director Motilal Nehru National Institute of Technology Allahabad	Member [w.e.f. 01.07.2016 upto 06.10.2016]
Prof. Rajeev Tripathi Director Motilal Nehru National Institute of Technology Allahabad	Member [w.e.f 07.10.2016]

Two persons not below the rank of Joint Secretary to the India to be nominated by the Central Government from amongst persons of Technical education and finance.

Additional Secretary [TEL] Department of Higher Education Ministry of Human Resource Development Government of India Shastri Bhawan New Delhi-110001	Member
Joint Secretary & Financial Advisor Department of Higher Education Ministry of Human Resource Development Government of India Shastri Bhawan New Delhi-110001	Member

Two persons nominated by the Government of U.P.

Vacant [since 12-01-2014]	Member
Vacant [since 12-01-2014]	Member

Two persons, at least one of whom shall be a woman, nominated by the Council :

Vacant	Member [upto 06.04.2016]
Dr. (Ms.) Madhu Dixit Director Central Drug Research Institute, Lucknow Sector 10, Jankipuram Extension Sitapur Road, Lucknow-226031	Member [w.e.f. 07.04.2016]
Vacant	Member [upto 06.04.2016]
Dr. (Ms.) Sudeshna Sinha Professor of Physics Indian institute of Science Education & Research, Mohali Knowledge City, Sector 81, SAS Nagar Monauli PO 140306, Mohali	Member [w.e.f. 07.04.2016]

One Professor and one Assistant Professor or a Lecturer of the Institute nominated by the Senate.

Prof. S. K. Duggal Professor Department of Civil Engineering Motilal Nehru National Institute of Technology Allahabad	Member
Dr. Audhesh Narayan Assistant Professor Department of Mechanical Engineering Motilal Nehru National Institute of Technology Allahabad	Member

The Director of the Indian Institute of Technology in whose zone the Institute is located, or his nominee, not below the rank of a Professor

Director Indian Institute of Technology Kanpur P.O. - IIT Kanpur, Kanpur – 208016 [INDIA]	Member
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Registrar of the Institute as Ex-Officio Secretary

Col. Sanjiv Banerjee (Retd.) Registrar Motilal Nehru National Institute of Technology Allahabad	Secretary [upto 20.05.2016]
Dr. Asheesh K. Singh Registrar Motilal Nehru National Institute of Technology Allahabad	Secretary [w.e.f. 21.05.2016]

Five regular meetings and two emergent meeting of the Board of Governors were held during the year 2016-17.

4.2 FINANCE COMMITTEE

Constitution of the Finance Committee as per Statute 10 of the First Statutes of NITs.

The Chairperson Board of Governors, Ex-Officio Chairman

Shri Vijay K. Thadani
Vice Chairman & Managing Director
NIIT Limited, Plot No. 85, Sector 32
Gurgoan, Haryana-122001
&
Registered Office:
8, Balaji Estate, First Floor,
Guru Ravi Das Marg, Kalkaji
New Delhi-110019

Chairman

The Director, Ex-Officio Member

Prof. P. Chakrabarti
Director
Motilal Nehru National Institute of Technology Allahabad

Member
[upto 30.06.2016]

Prof. S. K. Duggal
Director
Motilal Nehru National Institute of Technology Allahabad

Member
[w.e.f. 01.07.2016
upto 06.10.2016]

Prof. Rajeev Tripathi
Director
Motilal Nehru National Institute of Technology Allahabad

Member
[w.e.f. 07.10.2016]

Joint Secretary dealing with NIT or his nominee and Financial Advisor [Human Resource Development] or his nominee members.

Additional Secretary [TEL]
Department of Higher Education
Ministry of Human Resource Development
Government of India,
Shastri Bhawan, New Delhi-110001

Member

Joint Secretary & Financial Advisor
Department of Higher Education
Ministry of Human Resource Development
Government of India,
Shastri Bhawan, New Delhi-110001

Member

Two persons nominated by the Board from amongst its members

Vacant [since 12-01-2014]

Member

Vacant [since 09-04-2014]

Member

The Registrar, Ex-Officio Member Secretary

Col. Sanjiv Banerjee (Retd.)
Registrar
Motilal Nehru National Institute of Technology Allahabad

Secretary
[upto 20.05.2016]

Dr. Asheesh K. Singh
Registrar
Motilal Nehru National Institute of Technology Allahabad

Secretary
[w.e.f. 21.05.2016]

Five regular meetings and two emergent meeting of the Finance Committee were held during the year 2016-17.

4.3 BUILDING AND WORKS COMMITTEE

Constitution of the Building and Works Committee as per Statute 12 of the First Statutes of NITs

The Director, Ex-Officio Chairman of the Committee

Prof. P. Chakrabarti Director Motilal Nehru National Institute of Technology Allahabad	Member [upto 30.06.2016]
Prof. S. K. Duggal Director Motilal Nehru National Institute of Technology Allahabad	Member [w.e.f. 01.07.2016 upto 06.10.2016]
Prof. Rajeev Tripathi Director Motilal Nehru National Institute of Technology Allahabad	Member [w.e.f. 07.10.2016]

One member nominated by the Central Government not below the rank of Director or Deputy Secretary

The Director [NITs] Department of Higher Education, Ministry of Human Resource Development, Shastri Bhawan, New Delhi-110001	Member
The Director [Finance] Integrated Finance Division, Department of Higher Education, Ministry of Human Resource Development, Shastri Bhawan, New Delhi-110001	Member

One member nominated by the Board of Governors

The Superintending Engineer Indian Institute of Technology Kanpur, Kanpur	Member
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Dean [Planning and Development] or similar position

(i) Prof. Vinod Yadava Dean [Planning & Development] Motilal Nehru National Institute of Technology Allahabad, Allahabad-211004	Member
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One expert each from Civil and Electrical Engineering Wing of Central or State Government or any autonomous body of repute

Mr. Sanjeev Sehgal Engineer, Northern Central Railway, Allahabad, U.P.	Member
Mr. Satendra Singh Superintending Engineer [Chief Engineer Zone Air Force] MES, Bamrauli Allahabad-211012, U.P.	Member

Registrar, Ex-Officio Member Secretary

Col. Sanjiv Banerjee (Retd.)
Registrar
Motilal Nehru National Institute of Technology Allahabad

Member Secretary
[upto 20.05.2016]

Dr. Asheesh K. Singh
Registrar
Motilal Nehru National Institute of Technology Allahabad

Member Secretary
[w.e.f. 21.05.2016]

Two meetings of the Building and Works Committee were held during the year 2016-17.

4.4 SENATE

Constitution of the Senate as per Section 14 of the NITs Act – 2007

The Director, Ex-Officio Chairman

- | | |
|------------------------------------|--|
| 1. Prof. P. Chakrabarti, Director | Chairman
[upto 30.06.2016] |
| 2. Prof. S. K. Duggal, Director | Chairman
[w.e.f. 01.07.2016
upto 06.10.2016] |
| 3. Prof. Rajeev Tripathi, Director | Chairman
[w.e.f. 07.10.2016] |

The Deputy Director, Ex-Officio

- | | |
|-----------------------------|--------|
| 1. Deputy Director [Vacant] | Member |
|-----------------------------|--------|

Professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute

Member

- | | |
|---|--|
| 1. Prof. I. K. Bhat, AMD | 22. Prof. P. P. Sahay, Physics |
| 2. Prof. Sudarshan Tiwari, ECED | 23. Prof. A. K. Singh, CED |
| 3. Prof. S. K. Duggal, CED | 24. Prof. R. D. Gupta, CED |
| 4. Prof. P. R. Agrawal, SMS | 25. Prof. A. D. Bhatt, MED |
| 5. Prof. R. K. Srivastava, CED [Retired on 30.06.16] | 26. Prof. Sanjay Chaubey, Physics |
| 6. Prof. Vineeta Agarwal, EED | 27. Prof. R. K. Tripathi, EED |
| 7. Prof. R. K. Srivastava, MED | 28. Prof. R. S. Yadav, CSED |
| 8. Prof. Rajeev Tripathi, ECED | 29. Prof. V. K. Srivastava, ECED |
| 9. Prof. M. M. Gore, CSED | 30. Prof. R. C. Vaishya, CED |
| 10. Prof. K. K. Shukla, AMD | 31. Prof. Ram Pal Singh, CED |
| 11. Prof. Rakesh Narain, MED | 32. Prof. Niroj Banerjee, HSS |
| 12. Prof. Anuj Jain, AMD | 33. Prof. H. S. Goyal, MED |
| 13. Prof. N. D. Pandey, Chemistry [Retired on 31.07.2016] | 34. Prof. Vijaya Bhadauria, ECED |
| 14. Prof. Suneeta Agarwal, CSED | 35. Prof. Neeraj Tyagi, CSED |
| 15. Prof. Geetika, SMS | 36. Prof. Ravi Prakash, MED |
| 16. Prof. R. K. Singh, EED | 37. Prof. Amit Dhawan, ECED |
| 17. Prof. Vinod Yadava, MED | 38. Prof. Shubhi Purwar, EED |
| 18. Prof. R. P. Tiwari, CED | 39. Prof. Shiv Dutt Kumar, Mathematics |
| 19. Prof. P. K. Dutta, Chemistry | 40. Prof. S. S. Narvi, Chemistry |
| 20. Prof. Haranath Kar, ECED | 41. Prof. K. N. Pandey, MED |
| 21. Prof. Anil Kumar Sachan, CED | 42. Prof. R. K. Nagaria, ECED |
| | 43. Prof. P. K. Mehta, CED |

Three persons, one of whom shall be a woman, not being employees of this Institute, to be nominated by the Chairperson in consultation with the Director, from amongst educationists of repute, one each from the field of science, engineering and humanities.

- | | | |
|----|--|--------|
| 1. | Prof. Sumathi Rao
Professor 'H'
Department of Physics
Harish-Chandra Research Institute
Chhatnag Road, Jhansi, Allahabad | Member |
| 2. | Prof. S. N. Singh
Professor,
Department of Electrical Engineering,
Indian Institute of Technology Kanpur, Kanpur | Member |
| 3. | Prof. Partha Basu
Professor
Department of Humanities & Social Sciences
Indian Institute of Technology Kharagpur, Kharagpur | Member |

Registrar, Secretary of the Senate [Section 18[2] of the NITs Act]

Col. Sanjiv Banerjee (Retd.) Registrar Motilal Nehru National Institute of Technology Allahabad	Secretary [upto 20.05.2016]
Dr. Asheesh K. Singh Registrar Motilal Nehru National Institute of Technology Allahabad	Secretary [w.e.f. 21.05.2016]

Three regular meetings and two emergent meeting of the Senate were held during the year 2016-17.

THE STAFF

- 5.1 Academic Staff**
- 5.2 Administrative Officers**
- 5.3 Technical Staff**
- 5.4 Ministerial Staff**
- 5.5 Supporting Staff**

5.1 ACADEMIC STAFF

Head of Institution

Prof. P. Chakarbarti **Director**

Prof. S. K. Duggal **Director**

Prof. Rajeev Tripathi **Director**

Professors		
Sl. No.	Name	Department
1.	Dr. I. K. Bhat [On Leave until 30.06.2016]	Applied Mechanics
2.	Dr. K. K. Shukla	Applied Mechanics
3.	Dr. Anuj Jain	Applied Mechanics
4.	Dr. N. D. Pandey [Retired on 31.07.16]	Chemistry
5.	Dr. P. K. Dutta	Chemistry
6.	Dr. S. S. Narvi	Chemistry
7.	Dr. R. K. Srivastava [Retired on 30.06.16]	Civil Engineering
8.	Dr. S. K. Duggal	Civil Engineering
9.	Dr. R. P. Tiwari	Civil Engineering
10.	Dr. Anil Kumar Sachan	Civil Engineering
11.	Dr. A. K. Singh	Civil Engineering
12.	Dr. R. D. Gupta	Civil Engineering
13.	Dr. R. C. Vaishya	Civil Engineering
14.	Dr. Ram Pal Singh	Civil Engineering
15.	Dr. P. K. Mehta	Civil Engineering
16.	Dr. M. M. Gore	Computer Science Engineering
17.	Dr. Suneeta Agarwal	Computer Science Engineering
18.	Dr. R. S. Yadav	Computer Science Engineering
19.	Dr. Neeraj Tyagi	Computer Science Engineering
20.	Dr. Vineeta Agarwal	Electrical Engineering
21.	Dr. R. K. Singh	Electrical Engineering
22.	Dr. R. K. Tripathi	Electrical Engineering
23.	Dr. Shubhi Purwar	Electrical Engineering
24.	Dr. Sudarshan Tiwari [On Leave]	Electronics & Communication Engineering
25.	Dr. Rajeev Tripathi [Director]	Electronics & Communication Engineering
26.	Dr. Haranath Kar	Electronics & Communication Engineering
27.	Dr. V. K. Srivastava	Electronics & Communication Engineering
28.	Dr. Vijaya Bhadauria	Electronics & Communication Engineering
29.	Dr. Amit Dhawan	Electronics & Communication Engineering
30.	Dr. R. K. Nagaria	Electronics & Communication Engineering
31.	Dr. Niroj Banerjee	Humanities & Social Science
32.	Dr. Shiv Dutt Kumar	Mathematics
33.	Dr. R. K. Srivastava	Mechanical Engineering
34.	Dr. Rakesh Narian	Mechanical Engineering
35.	Dr. Vinod Yadava	Mechanical Engineering
36.	Dr. A. D. Bhatt	Mechanical Engineering
37.	Dr. H. S. Goyal	Mechanical Engineering
38.	Dr. Ravi Prakash	Mechanical Engineering
39.	Dr. K. N. Pandey	Mechanical Engineering
40.	Dr. P. P. Sahay	Physics
41.	Dr. Sanjay Chaubey	Physics

42.	Dr. P. R. Agrawal [On Leave]	School of Management Studies
43.	Dr. Geetika	School of Management Studies

ASSOCIATE PROFESSORS		
Sl. No.	Name	Department
1.	Dr. Ravi Prakash Tiwari	Applied Mechanics
2.	Dr. S. J. Pawar	Applied Mechanics
3.	Dr. Shivesh Sharma	Biotechnology
4.	Dr. Anjana Pandey	Biotechnology
5.	Dr. Sadhana Sachan	Chemical Engineering
6.	Dr. G. K. Mehrotra	Chemistry
7.	Dr. Y. K. Gupta	Civil Engineering
8.	Dr. L. K. Mishra	Civil Engineering
9.	Dr. Rakesh Kumar	Civil Engineering
10.	Dr. Raj Mohan Singh	Civil Engineering
11.	Sri Rajesh Tripathi	Computer Science Engineering
12.	Dr. D. S. Kushawaha	Computer Science Engineering
13.	Dr. Anil Kumar Singh	Computer Science Engineering
14.	Sri Manoj Wairiya	Computer Science Engineering
15.	Dr. D. K. Yadav	Computer Science Engineering
16.	Dr. Anirudh Narain [Retired on 31.12.16]	Electrical Engineering
17.	Dr. Paulson Samuel	Electrical Engineering
18.	Dr. Asheesh Kumar Singh	Electrical Engineering
19.	Dr. Rajesh Gupta	Electrical Engineering
20.	Dr. Nand Kishor	Electrical Engineering
21.	Dr. Richa Negi	Electrical Engineering
22.	Dr. Vijay Shankar Tripathi	Electronics & Communication Engineering
23.	Dr. Ram Awadh Mishra	Electronics & Communication Engineering
24.	Dr. Ambalika Sinha	Humanities & Social Science
25.	Dr. Pankaj Srivastava	Mathematics
26.	Dr. Manoj Kumar	Mathematics
27.	Dr. S. N. Pandey	Mathematics
28.	Dr. S. K. Poddar	Mechanical Engineering
29.	Dr. Mukul Shukla	Mechanical Engineering
30.	Dr. Rajeev Srivastava	Mechanical Engineering
31.	Dr. Avanish Kumar Dubey	Mechanical Engineering
32.	Dr. M. K. Khurana	Mechanical Engineering
33.	Dr. S. N. Pandey	Physics
34.	Dr. Arvind Agrawal	Physics
35.	Dr. Tanuj Nandan	School of Management Studies
36.	Dr. Ganesh Prasad Sahu	School of Management Studies

Assistant Professors		
Sl. No.	Name	Department
1.	Dr. Ramesh Pandey	Applied Mechanics
2.	Dr. Akshoy Ranjan Paul	Applied Mechanics
3.	Dr. Abhishek Kumar	Applied Mechanics
4.	Dr. Anindya Bhar	Applied Mechanics
5.	Dr. V. Murari	Applied Mechanics
6.	Dr. Ashutosh Kumar Upadhaya	Applied Mechanics
7.	Dr. Ajaya Bharti	Applied Mechanics

8.	Dr. Vivek Kumar Patel	Applied Mechanics
9.	Dr. Sangeeta Negi	Biotechnology
10.	Dr. Vishnu Agarwal	Biotechnology
11.	Dr. Nand Kumar Singh	Biotechnology
12.	Dr. Manisha Sachan	Biotechnology
13.	Dr. Seema Nara	Biotechnology
14.	Dr. Ashutosh Mani	Biotechnology
15.	Dr. Radha Rani Mewaram	Biotechnology
16.	Dr. Ambak Kumar Rai	Biotechnology
17.	Dr. Sameer Srivastava	Biotechnology
18.	Dr. Sanjay Kumar [On Leave]	Biotechnology
19.	Dr. Ankur Gaur	Chemical Engineering
20.	Dr. Suantak Kamsonlian	Chemical Engineering
21.	Dr. Sushil Kumar	Chemical Engineering
22.	Dr. Mohd Siraj Alam	Chemical Engineering
23.	Dr. Harinder Singh	Chemical Engineering
24.	Dr. Ashish Nivrittinath Sawarkar	Chemical Engineering
25.	Dr. Shabih-Ul-Hasan	Chemical Engineering
26.	Dr. Tamal Ghosh	Chemistry
27.	Dr. Ashutosh Pandey	Chemistry
28.	Dr. Kumar Venkatesh	Civil Engineering
29.	Dr. Hemant Kumar Pandey	Civil Engineering
30.	Dr. Gautam Ghosh	Civil Engineering
31.	Dr. Priya Ranjan Pal	Civil Engineering
32.	Dr. Nek Ram Rawal	Civil Engineering
33.	Dr. Shalinee Shukla	Civil Engineering
34.	Dr. Varun Singh	Civil Engineering
35.	Dr. Rama Shankar	Civil Engineering
36.	Dr. Kumar Pallav	Civil Engineering
37.	Dr. Debolina Basu	Civil Engineering
38.	Dr. Mayank Pandey	Computer Science Engineering
39.	Dr. Anoj Kumar	Computer Science Engineering
40.	Dr. Krishna Kumar Mishra [On Leave]	Computer Science Engineering
41.	Dr. Ranvijay	Computer Science Engineering
42.	Dr. Shashank Srivastava	Computer Science Engineering
43.	Dr. Pragya Dwivedi	Computer Science Engineering
44.	Dr. Nitin Singh	Electrical Engineering
45.	Dr. S. R. Mohanty	Electrical Engineering
46.	Dr. Deepak Kumar [On Leave]	Electrical Engineering
47.	Mr. Asim Mukharjee	Electronics & Communication Engineering
48.	Dr. Arvind Kumar	Electronics & Communication Engineering
49.	Sri Rajeev Gupta	Electronics & Communication Engineering
50.	Dr. V. Krishna Rao	Electronics & Communication Engineering
51.	Dr. Basant Kumar	Electronics & Communication Engineering
52.	Dr. Arun Prakash	Electronics & Communication Engineering
53.	Dr. Shweta Tripathi	Electronics & Communication Engineering
54.	Dr. Yogendra Kumar Prajapati	Electronics & Communication Engineering
55.	Dr. Manish Tiwari	Electronics & Communication Engineering
56.	Dr. Sanjeev Rai	Electronics & Communication Engineering
57.	Dr. Karuppanan P.	Electronics & Communication Engineering
58.	Dr. Santosh Kumar Gupta	Electronics & Communication Engineering

59.	Dr. Rajesh Kumar Shastri	Humanities & Social Science
60.	Dr. Jyotsana Sinha	Humanities & Social Science
61.	Dr. Ravindra Tripathi	Humanities & Social Science
62.	Dr. Mukesh Kumar	Mathematics
63.	Dr. Sahadev Padhye	Mathematics
64.	Dr. Pitam Singh	Mathematics
65.	Dr. Gorakh Nath	Mathematics
66.	Dr. Buddakkagari Vasu	Mathematics
67.	Dr. Pramod Kumar Yadav	Mathematics
68.	Dr. Surabhi Tiwari	Mathematics
69.	Dr. Audhesh Narain	Mechanical Engineering
70.	Dr. Samir Saraswati	Mechanical Engineering
71.	Dr. Vandana Agrawal	Mechanical Engineering
72.	Dr. S. Bhola Nath Mishra	Mechanical Engineering
73.	Dr. Venketeshwara Rao Koma	Mechanical Engineering
74.	Dr. Praveen Kumar Agrawal	Mechanical Engineering
75.	Dr. Rabindra Kumar Patel	Mechanical Engineering
76.	Dr. Dharmendra Kumar Shukla	Mechanical Engineering
77.	Dr. Pragya Shandilya	Mechanical Engineering
78.	Dr. Rahul Dev	Mechanical Engineering
79.	Dr. Jagadish Chandra Mohanta	Mechanical Engineering
80.	Dr. Manish Gupta	Mechanical Engineering
81.	Dr. Manoj Kumar Gupta	Mechanical Engineering
82.	Dr. Bireswar Paul	Mechanical Engineering
83.	Dr. Bhore Skylab Pavalas	Mechanical Engineering
84.	Dr. Naresh Kumar	Physics
85.	Dr. Animesh Kumar Ojha	Physics
86.	Dr. Tripti Singh	School of Management Studies
87.	Dr. Piyali Ghosh	School of Management Studies
88.	Dr. VibhutiTripathi	School of Management Studies

Assistant Professors [On Contract]		
Sl. No.	Name	Department
1.	Dr. Anupam Rawat	Civil Engineering
2.	Dr. Vijay Kumar	Civil Engineering
3.	Dr. Vishwajeet Pratap Singh	Civil Engineering
4.	Dr. Divya Kumar	Computer Science Engineering
5.	Dr. Dushyant Kumar Singh	Computer Science Engineering
6.	Dr. Dinesh Singh	Computer Science Engineering
7.	Dr. Shashwati Banerjea	Computer Science Engineering
8.	Dr. Rajitha B.	Computer Science Engineering
9.	Dr. Rupesh Kumar Dewang	Computer Science Engineering
10.	Dr. Navneet Kumar Singh	Electrical Engineering
11.	Dr. Niraj Kumar Choudhary	Electrical Engineering
12.	Dr. M. Venkatesh Naik	Electrical Engineering
13.	Dr. Vadthiya Narendar	Electronics & Communication Engineering
14.	Mr. Mohammad Kaifi	Electronics & Communication Engineering
15.	Dr. ManoharYadav	GIS Cell
16.	Dr. Sonam Agarwal	GIS Cell
17.	Dr. Ramji Dwivedi	GIS Cell
18.	Mr. Sunil Kumar Gupta	Mechanical Engineering

19.	Mr. Jitendra Narayan Gangwar	Mechanical Engineering
20.	Mr. Binayaka Nahak	Mechanical Engineering

Heads of the Departments			
Sl. No.	Name	Department	Remarks
1.	Dr. R. P. Tewari	Applied Mechanics	
2.	(i) Dr. Anjana Pandey	Biotechnology	upto 16.10.2016
	(ii) Dr. Shivesh Sharma	Biotechnology	w.e.f. 17.10.2016
3.	(i) Prof. S. S. Narvi	Chemistry	upto 08.04.2016
	(ii) Dr. G. K. Mehrotra	Chemistry	w.e.f. 09.04.2016
4.	(i) Dr. Sadhana Sachan	Chemical Engineering	upto 16.04.2016
	(ii) Prof. Anuj Jain	Chemical Engineering	w.e.f. 17.04.2016
5.	(i) Prof. R. S. Yadav	Computer Science Engineering	upto 30.06.2016
	(ii) Prof. Neeraj Tyagi	Computer Science Engineering	w.e.f. 01.07.2016
6.	Prof. A. K. Singh	Civil Engineering	
7.	Prof. Shubhi Purwar	Electrical Engineering	
8.	Prof. V. K. Srivastava	Electronics & Communication Engineering	
9.	(i) Prof. R. C. Vaishya	Chairman, GIS Cell	upto 31.07.2016
	(ii) Prof. Suneeta Agarwal	Chairman, GIS Cell	w.e.f. 01.08.2016
10.	Dr. Ambalika Sinha	Humanties & Social Sciences	
11.	Prof. Rakesh Narain	Mechanical Engineering	
12.	Prof. Pankaj Srivastava	Mathematics	
13.	(i) Dr. S. N. Pandey	Physics	upto 04.11.2016
	(ii) Dr. Arvind Agarwal	Physics	w.e.f. 05.11.2016
14.	Dr. Tanuj Nandan	School of Management Studies	

Deans			
Sl. No.	Name	Division	Remarks
1.	Prof. Geetika	Dean [Academic]	
2.	Prof. Vinod Yadava	Dean [Planning & Development]	
3.	(i) Prof. R. K. Srivastaava	Dean [Research & Consultancy]	upto 28.06.2016
	(ii) Prof. Vineeta Agrawal	Dean [Research & Consultancy]	w.e.f. 29.06.2016
4.	Prof. S. K. Duggal	Dean [Faculty Welfare]	w.e.f. 16.06.2015
5.	(i) Prof. R. P. Tiwari	Dean [Student Welfare]	upto 24.04.2016
	(ii) Prof. Vinod Yadava	Dean [Student Welfare]	w.e.f. 26.06.2016
	(iii) Prof. R. K. Singh	Dean [Student Welfare]	w.e.f. 27.06.2016
6.	(i) Prof. N. D. Pandey	Dean [Resource Generation & International Affairs]	upto 31.07.2016
	(ii) Prof. M. M. Gore	Dean [Resource Generation & International Affairs]	w.e.f. 01.08.2016

5.2 ADMINISTRATIVE OFFICERS

Sl. No.	Name	Designation	Remarks
1.	Col. Sanjiv Banerjee (Retd.)	Registrar	upto 20.05.2016
2.	Dr. Asheesh Kumar Singh	Registrar (Officiating)	w.e.f. 21.05.2016
3.	Dr. Sarvesh K. Tiwari	Dy. Registrar (Academic)	(On Leave)
4.	Shri Uma Shankar Sharma	Dy. Registrar (Academic)	
5.	Dr. Shwetank Parihar	Assistant Registrar	
6.	Mrs. Manisha Yadav	Assistant Registrar	
7.	Shri Mohd. Danish Ansari	Assistant Registrar	
8.	Shri Gyanendra Kumar Tiwari	Assistant Registrar	

9.	Shri Satyajeet Kumar	Assistant Registrar
10.	Shri Manas Agrawal	Assistant Registrar
11.	Shri Manish Kumar	Executive Engineer
12.	Shri Arvind Kumar Singh	Engineer [Electrical Maintenance]
13.	Shri Raghvendra Singh	SAS Officer
14.	Dr. S. P. Verma	SAS Officer
15.	Shri Abhay Singh	Programmer
16.	Shri Satanand Yadav	Foreman
17.	Shri Ritesh Sahu	Dy. Librarian
18.	Shri Arvind Kant Singh	Assistant Librarian

5.3 TECHNICAL STAFF

Technical Assistant [SG-I]

1. Shri Trivikram
2. Shri D. K. Dwivedi
3. Shri Shri Kant

Technical Assistant [SG-II]

1. Shri Jeet Lal Yadav
2. Shri A. K. Agrawal
3. Shri Sanjay Singh

Technical Assistant

1. Shri Rajendra Prasad [Retired on 30.06.16]
2. Smt. Anju Jha
3. Shri Ashutosh Kr. Gupta
4. Shri Manoj Singh Bonal
5. Smt. Sangeeta Rani
6. Shri Chedi Lal Patel

Senior Technical Assistant

1. Shri Harish Chandra
2. Shri S. N. Chaturvedi
3. Shri Pankaj Sikka

Assistant Engineer

1. Shri K. N. Singh

Junior Engineer [Civil Maintenance]

1. Shri Sanjay Singh

Technician [SG-I]

1. Shri Gyanandra Singh
2. Shri Shri Kant Tiwari
3. Shri Afzal Ahmad [Retired on 31.07.16]
4. Shri Ranjeet Singh [Expired on 08.10.16]
5. Shri Nanku Lal
6. Shri Om Prakash
7. Shri R. K. Sharma

Technician [SG-II]

1. Shri Badri Prasad [Retired on 30.05.16]
2. Shri Lal Das [Retired on 31.07.16]
3. Shri Ram Shiromani [Retired on 31.07.16]
4. Shri Brij Lal [Retired on 31.10.16]
5. Shri Algoo Prasad
6. Shri Bharat Lal
7. Shri Ramji
8. Shri Keshav Kumar
9. Shri Ramesh Chandra Pal
10. Shri Diwakar Tiwari
11. Shri Man Singh
12. Shri Kanhaiya Lal
13. Shri Gopal Ram
14. Shri Ram Chandra-II
15. Shri Radhey Shyam
16. Shri Om Prakash Parashar

Senior Technician

1. Shri Anurudh Bahadur [Retired on 31.03.17]
2. Shri Kamla Prasad
3. Shri Moti Lal
4. Shri Rakesh Gupta
5. Shri Uma Shanker
6. Shri Manoj Kr. Tripathi
7. Shri Hari Shanker
8. Shri Lal Bahadur Yadav
9. Shri Nand Lal [Retired on 31.07.16]
10. Shri Ram Sajiwan
11. Shri Shiv Murat Yadav
12. Shri Ram Bahadur Yadav
13. Shri. D. N. Pandey
14. Shri Satya Narain Singh
15. Shri Brijesh Kumar
16. Shri Bhola [Retired on 31.12.16]
17. Shri Ram Lakhan [Retired on 31.08.16]
18. Shri Rama Shankar

Pharmacist [SG-II]

1. Shri G.S. Maurya

Senior Pharmacist

1. Shri Vinod Kumar Mishra
2. Shri Ranjeet Kumar Nirbhai

5.4 MINISTERIAL STAFF

Superintendent [SG-II]

1. Shri A. B. Singh

Senior Superintendent

1. Shri Shiva Kant Mishra [Retired on 31.01.17]
2. Shri B. L. Yadav [Retired on 31.10.16]
3. Shri R. K. Pandey
4. Shri M. C. Singh [Retired on 30.06.16]
5. Shri Ganga Prasad
6. Shri S. A. Farooqui [Retired on 31.01.17]

Superintendent

1. Shri Banwari Lal
2. Shri H. I. Malik
3. Shri Girja Shankar
4. Shri Sangam Lal Kushwaha
5. Shri Viveka Nand
6. Shri Tribhwan N. Tripathi
7. Shri Babban Singh [Retired on 31.07.16]
8. Shri Amar Singh Yadav
9. Shri S. K. Gaur
10. Shri Srikant
11. Shri Anirudh Kr. Chaudhary [Joined on 12.08.16]

Assistant [SG-I]

1. Shri Y. P. Tripathi
2. Shri Shahid Irfan
3. Shri Ram Achraj Yadav
4. Shri Shyam Babu
5. Shri S. K. Srivastava
6. Shri Shyam Lal Yadav [Retired on 30.06.16]
7. Shri Anil Kumar
8. Shri Mewalal
9. Shri Chandrabhan
10. Shri Shiv Karan Patel
11. Shri Amrit Lal
12. Shri Subhas Ram

Assistant [SG-II]

1. Shri Sanjay Yadav

Senior Assistant

1. Shri A. V. Pathak
2. Shri Vijai Pal
3. Shri Mohd. Saqib
4. Shri Bechan Ram
5. Shri Sangam Lal
6. Shri Anant Kumar Tiwari
7. Smt. Veena Singh
8. Smt Madhu Yadav
9. Shri Chet Ram Bhartiya
10. Shri Vinod Kumar
11. Shri Deepak Kumar

Junior Assistant

1. Shri Prem Chand

Senior Secretary

1. Shri Nirmal Kumar Shukla

Secretary

1. Shri Ram Baran

5.5 SUPPORTING STAFF

Attendant

1. Shri T. N. Shukla
2. Shri Om Prakash Yadav
3. Shri S. R. Kushwaha
4. Shri Riyaz Ahmad
5. Shri. Tribhuvan Singh Yadav
6. Shri Mahesh Kumar
7. Shri Jeet Lal II
8. Shri Gyan Chandra
9. Shri Ram Nath
10. Shri Paras Nath
11. Shri S. N. Shukla [Retired on 31.07.16]
12. Shri Naresh Chandra
13. Shri D. S. Mishra
14. Shri K. P. Maurya
15. Shri R. S. Pal
16. Shri Ram Dulare
17. Shri Satya Narain
18. Shri Sudhakar Tiwari
19. Shri Raja Ram
20. Shri Phool Chandra
21. Shri Amar Nath Patel
22. Shri Om Prakash
23. Shri Paras Nath Saroj
24. Shri Jagdish Prasad
25. Shri Masuriya Deen Maurya
26. Shri Radhey Shyam

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| 27. Shri Rajendra Kumar | 52. Shri Ram Nath Pal |
| 28. Shri Ramesh | 53. Shri Jeet Lal Yadav |
| 29. Smt. Sheela | 54. Shri Jahli Singh |
| 30. Shri Ram Dulare | 55. Shri Duryodhan Lal |
| 31. Smt. Nirmala Devi | 56. Shri Nand Lal Prajapati |
| 32. Shri Ranjeet | 57. Shri H.C. Maurya |
| 33. Shri Shankar Lal | 58. Shri Nand Lal |
| 34. Shri Anil | 59. Shri Monu Jeet Dayal |
| 35. Shri Suresh | 60. Shri Ramakant Pal |
| 36. Shri Raju | 61. Shri Hari Lal Yadav |
| 37. Shri Parkash | 62. Shri Jagan Nath alias Lallu |
| 38. Shri Kailash [Expired on 05.03.17] | 63. Shri Husala Pd. |
| 39. Shri Rajendra Pd. | 64. Shri Shobh Nath Maurya |
| 40. Shri Pappu Lal | 65. Shri Jag Lal |
| 41. Shri Rajesh | 66. Shri Gulab Chandra |
| 42. Shri Mohan Lal | 67. Shri Pawan Kumar Mishra |
| 43. Shri Banwari Lal | 68. Smt Geeta Devi |
| 44. Shri Lallu-I [Expired on 29.08.16] | 69. Shri Ram Sanehi Maurya |
| 45. Shri Sangam Lal Yadav | 70. Smt. Kaushalya Devi |
| 46. Shri Brij Mohan Yadav | 71. Shri Om Parkash Yadav |
| 47. Shri Ram Mani Yadav | 72. Shri Rajendra Pd. |
| 48. Shri Laloo | 73. Shri Suraj |
| 49. Shri Harish Chandra Pal | 74. Shri Shyam Lal Pal |
| 50. Shri Raj Narian Kashyap | 75. Shri Ram Jatan Maurya |
| 51. Smt Urmila Devi | |

ACADEMIC PROGRAMMES

- 6.1 Bachelor of Technology (B.Tech.)
- 6.2 Master of Technology (M.Tech.)
- 6.3 Master of Business Administration (M.B.A.)
- 6.4 Master of Computer Applications (M.C.A.)
- 6.5 Master of Science (M.Sc.)
- 6.6 Master of Social Work (M.S.W.)
- 6.7 Doctoral Programmes (Ph.D.)

**6.1 BACHELOR OF TECHNOLOGY (B.TECH.)
DEGREE COURSES (4 YEARS / 8 SEMESTERS)**

- (i) Biotechnology
- (ii) Chemical Engineering
- (iii) Civil Engineering
- (iv) Computer Science Engineering
- (v) Electrical Engineering
- (vi) Electronics and Communication Engineering
- (vii) Information Technology
- (viii) Mechanical Engineering
- (ix) Production & Industrial Engineering

**6.2 MASTER OF TECHNOLOGY (M.TECH.) DEGREE
COURSE**

Regular (2 Years/ 4 Semesters)

Applied Mechanics Department

- (i) Applied Mechanics
- (ii) Biomedical Engineering
- (iii) Fluids Engineering
- (iv) Material Science and Engineering

Biotechnology Department

- (i) Biotechnology

Chemical Engineering Department

- (i) Chemical Engineering

Civil Engineering Department

- (i) Civil Engineering (Environmental Engineering)
- (ii) Civil Engineering (Geo-Technical Engineering)
- (iii) Civil Engineering (Structural Engineering)
- (iv) Civil Engineering (Environmental Geo-technology)

Computer Science Engineering Department

- (i) Computer Science Engineering
- (ii) Software Engineering
- (iii) Information Security

Electrical Engineering Department

- (i) Electrical Engineering (Control & Instrumentation)
- (ii) Electrical Engineering (Power Electronics & ASIC Design)
- (iii) Electrical Engineering (Power System)

**Electronics and Communication Engineering
Department**

- (i) Electronics Engineering (Digital System)
- (ii) Electronics Engineering (Microelectronics and VLSI Design)
- (iii) Electronics Engineering (Communication System)

Mechanical Engineering Department

- (i) Mechanical Engineering (Design Engineering)
- (ii) Mechanical Engineering (Production Engineering)
- (iii) Mechanical Engineering (Computer Aided Design and Manufacturing)
- (iv) Mechanical Engineering (Product Design & Development)
- (v) Mechanical Engineering (Thermal Engineering)

GIS Cell

- (i) GIS and Remote Sensing

Part-Time (3 Years/ 6 Semesters)

Civil Engineering Department

- (i) Civil Engineering (Environmental Engineering)

Computer Science Engineering Department

- (i) Software Engineering

Electrical Engineering Department

- (i) Electrical Engineering (Power Electronics & ASIC Design)

Mechanical Engineering Department

- (i) Mechanical Engineering (Production Engineering)

**6.3 MASTER OF BUSINESS ADMINISTRATION
(MBA), (2 Years/ 4 Semesters)**

Following specializations are offered:

- (i) Finance
- (ii) Marketing
- (iii) Human Resource
- (iv) Systems
- (v) Productions and Operations
- (vi) Engineering Management

6.4 MASTER OF COMPUTER APPLICATIONS (MCA), (3 Years/ 6 Semesters)

6.5 MASTER OF SCIENCE (M.Sc.), (2 Years/ 4 Semesters)

- (i) Mathematics and Scientific Computing

6.6 MASTER OF SOCIAL WORK (MSW), (2 Years/ 4 Semesters)

Following specializations are offered:

- (i) Human Resource Management
- (ii) Rural Development & Micro-finance

6.7 DOCTORAL PROGRAMMES (Ph.D.)

MNNIT Allahabad has been growing rapidly as a highly reputed academic institution and research is an integral aspect. Therefore, to promote Doctoral Programme, Institute Fellowships have been established, which are distributed among all the departments.

Besides, a number of non-stipendiary admission to these Doctoral Programmes is also made to facilitate faculty from other Institutes and Industry personnel. Teachers from other Institutions also come here to pursue M.Tech. and Ph.D. in various Departments, under QIP scheme. Large number of senior executives from industry also join under self sponsored category.

STUDENTS' DETAILS

- 7.1 Intake
- 7.2 Admission Procedure
- 7.3 Course-wise Enrolment
- 7.4 Student Strength
- 7.5 Performance in Examination
- 7.6 Gold Medals

7.1 INTAKE

Name of Programme	Branch	Intake
Bachelor of Technology (B. Tech.)	Biotechnology	46
	Chemical Engineering	46
	Civil Engineering	92
	Computer Science Engineering	154
	Electrical Engineering	77
	Electronics & Communication Engineering	138
	Information Technology	92
	Mechanical Engineering	123
Master of Technology (M.Tech)	Including all Branches	475
Master of Computer Application (MCA)	NA	93
Master of Business Administration (MBA)	NA	93
Master of Science (MSc)	Mathematics and Scientific Computing	23
Master of Social Work (MSW)	NA	23
Doctor of Philosophy (Ph.D.)	Including all Branches	89
Total Student Intake (per year)		1610

7.2 ADMISSION PROCEDURE

Programme	Admission Through
B.Tech.	JEE (Mains) (CSAB/JoSAA, DASA, ICCR, MEA)
M.Tech.	GATE/CCMT
MCA	NIMCET
MBA	CAT
M.Sc.	JAM / CCMN
MSW	Institute Entrance Examination
Ph.D.	Institute Entrance Examination and QIP Centre

7.3 COURSE-WISE ENROLMENT WITH SEX, SC/ ST BREAK-UP
U. G. Programmes

Programme UG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
B.Tech. I st Year	814	334	184	155	51	30	21	385	214	176
B.Tech. II nd Year	814	319	202	156	68	29	25	387	231	181
B.Tech. III rd Year	814	325	191	156	60	25	23	385	216	179
B.Tech. IV th Year	814	336	202	150	59	20	29	395	222	179
Total		1314	779	617	238	104	98	1552	883	715

Additional Foreign Admission in UG Programme through DASA, ICCR and MEA

Programme	Males	Females	Total
B.Tech. I st Year	87	11	98
B.Tech. II nd Year	102	21	123
B.Tech. III rd Year	103	07	110
B.Tech. IV th Year	89	07	96
Total	381	46	427

P. G. Programmes

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
M.Tech. I st Year	475	167	97	71	33	13	11	200	110	82
M.Tech. II nd Year	475	192	89	75	40	17	15	232	106	90
Total		359	186	146	73	30	26	432	216	172

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MCA I st Year	93	25	17	15	22	08	05	47	25	20
MCA II nd Year	93	34	20	18	14	04	03	48	24	21
MCA III rd Year	93	23	21	13	19	09	05	42	30	18
Total		82	58	46	55	21	13	137	79	59

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MBA I st Year	93	29	02	02	04	01	02	33	03	04
MBA II nd Year	93	14	07	01	12	03	02	26	10	03
Total		43	09	03	16	04	04	59	13	07

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
M.Sc. I st Year	23	10	04	04	02	02	00	12	06	04
M.Sc. II nd Year	23	07	05	03	05	01	00	12	06	03
Total		17	09	07	07	03	00	24	12	07

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MSW I st Year	23	07	00	01	04	00	00	11	00	01
MSW II nd Year	23	01	01	00	04	00	01	05	01	01
Total		08	01	01	08	00	01	16	01	02

Ph.D. Admission Statistics for Odd Semester

Programme Ph.D.	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
Course Code 11	89	33	14	13	15	06	03	48	20	16
Course Code 12	28	05	01	00	03	00	00	08	01	00
Course Code 13	28	00	00	00	00	00	00	00	00	00
Total		38	15	13	18	06	03	56	21	16

Course Code 11 : Institute Stipendiary Full Time Research Scholar

Course Code 12 : Self-financed Full Time Research Scholar

Course Code 13 : Sponsored Full-Time Research Scholars

Ph.D. Admission Statistics for Even Semester

Programme Ph.D.	Intake	Males			Females			Total		
		Gen.	OBC	SC/ST	Gen.	OBC	SC/ST	Gen.	OBC	SC/ST
Course Code 11	10	00	00	03	02	00	00	02	00	03
Course Code 12	19	01	00	00	03	02	00	04	02	00

Course Code 13	27	00	00	00	00	00	00	00	00	00
Total		06	06	05	05	03	00	11	09	05

Course Code 11 : Institute Stipendiary Full Time Research Scholar
 Course Code 12 : Self-financed Full Time Research Scholar
 Course Code 13 : Sponsored Full-Time Research Scholars

7.4 STUDENT STRENGTH FOR UG/ PG/ Ph.D. PROGRAMMES

Programme	Male	Female	Total
B.Tech.	3091 (2710+381)	486 (440+46)	3577 (3150+427)
M.Tech.	691	129	820
MCA	186	89	275
MBA	55	24	79
M.Sc.	33	10	43
MSW	10	09	19
Ph.D.	366	123	489
Total	4432	870	5302

7.5 PERFORMANCE IN EXAMINATION-2016

Courses	Appeared	Passed
B.Tech.	827	804
M.Tech.	350	343
MCA	83	83
MBA	54	54
M.Sc.	18	18
MSW	05	05
Ph.D.	57	57
Total	1394	1364

7.6 GOLD MEDALS

Gold Medals for Post Graduate Examination-2016

- Gold Medal awarded to Mr. Santanu Choudhury (Registration No. 2014AM13) for standing first at M.Tech. Applied Mechanics, Final Examination 2016. (CPI 9.65)
- Gold Medal awarded to Ms. Shivangi Giri (Registration No. 2014BM09) for standing first at M.Tech. Biomedical Engineering, Final Examination 2016. (CPI 8.95)
- Gold Medal awarded to Ms. Sristi V R L B Srivani (Registration No. 2014FE11) for standing first at M.Tech. Fluids Engineering, Final Examination 2016. (CPI 9.35)
- Gold Medal awarded to Mr. Amit Kumar (Registration No. 2014MT12) for standing first at M.Tech. Material Science & Engineering, Final Examination 2016. (CPI 8.55)
- Gold Medal awarded to Ms. Sindhu K J (Registration No. 2014BT14) for standing first at M.Tech. Biotechnology, Final Examination 2016. (CPI 9.75)
- Gold Medal awarded to Mr. Nikhare Roshan Udaramji (Registration No. 2014CH05) for standing first at M.Tech. Chemical Engineering, Final Examination 2016. (CPI 9.10)
- Gold Medal awarded to Mr. Rahul Singh (Registration No. 2014EN14) for standing first at M.Tech. Civil Engineering (Environmental Engineering), Final Examination 2016. (CPI 9.35)
- Gold Medal awarded to Mr. Manish Jain (Registration No. 2014GE01) for standing first at M.Tech. Civil Engineering (Geotechnical Engineering), Final Examination 2016. (CPI 9.25)
- Gold Medal awarded to Mr. Rishi Raj Singh (Registration No. 2014ST13) for standing first at M.Tech. Civil Engineering (Structural Engineering),

- Final Examination 2016. (CPI 9.20)
10. Gold Medal awarded to Mr. Amit Kumar (Registration No. 2014TR09) for standing first at M.Tech. Civil Engineering (Transportation Engineering), Final Examination 2016. (CPI 8.40)
11. Gold Medal awarded to Ms. Chanchal Talreja (Registration No. 2014CS17) for standing first at M.Tech. Computer Science & Engineering, Final Examination 2016. (CPI 8.90)
12. Gold Medal awarded to Ms. Bhavna Sharma (Registration No. 2014IS02) for standing first at M.Tech. Information Security, Final Examination 2016. (CPI 9.45)
13. Gold Medal awarded to Mr. Vishwajeet Rana (Registration No. 2014SW12) for standing first at M.Tech. Software Engineering, Final Examination 2016. (CPI 9.10)
14. Gold Medal awarded Ms. Konica Garg (Registration No. 2014EE03) for standing first at M.Tech. Electrical Engineering (Control & Instrumentation), Final Examination 2016. (CPI 9.45)
15. Gold Medal awarded to Mr. Rahul Sharma (Registration No. 2014PE03) for standing first at M.Tech. Electrical Engineering (Power Electronics and Drives), Final Examination 2016. (CPI 9.40)
16. Gold Medal awarded to Ms. Aradhna Patel (Registration No. 2014PS04) for standing first at M.Tech. Electrical Engineering (Power System), Final Examination 2016. (CPI 9.65)
17. Gold Medal awarded to Ms. Anjali Verma (Registration No. 2014CM08) for standing first at M.Tech. Electronics Engineering (Communication Systems), Final Examination 2016. (CPI 9.85)
18. Gold Medal awarded to Mr. Patel Chirag Jayantibhai (Registration No. 2014EL03) for standing first at M.Tech. Electronics Engineering (Digital Systems), Final Examination 2016. (CPI 9.85)
19. Gold Medal awarded to Ms. Rohini Srivastava (Registration No. 2013PTEL10) for standing first at M.Tech. (Part-time) Electronics Engineering (Digital Systems), Final Examination 2016. (CPI 9.75)
20. Gold Medal awarded to Mr. Shah Mihir Kumar Pinakinbhai (Registration No. 2014VL09) for standing first at M.Tech. Microelectronics and VLSI Design, Final Examination 2016. (CPI 9.80)
21. Gold Medal awarded to Mr. Chousalkar Charudatta Gopalrao (Registration No. 2014GI17) for standing first at M.Tech. GIS and Remote Sensing, Final Examination 2016. (CPI 9.70)
22. Gold Medal awarded to Mr. Vaishnav Kumar Singh (Registration No. 2014CC11) for standing first at M.Tech. Mechanical Engineering (Computer Aided Design and Manufacturing), Final Examination 2016. (CPI 9.30)
23. Gold Medal awarded to Mr. Avtar Singh (Registration No. 2014DN08) for standing first at M.Tech. Mechanical Engineering (Design), Final Examination 2016. (CPI 9.65)
24. Gold Medal awarded to Mr. Mohit Bajpai (Registration No. 2014PD10) for standing first at M.Tech. Mechanical Engineering (Product Design and Development), Final Examination 2016. (CPI 9.25)
25. Gold Medal awarded to Mr. Pradeep Kumar Yadav (Registration No. 2014PR06) for standing first at M.Tech. Mechanical Engineering (Production Engineering), Final Examination 2016. (CPI 8.85)
26. Gold Medal awarded to Ms. Shalini Awasthi (Registration No. 2013PTPR08) for standing first at M.Tech. (Part-time) Mechanical Engineering (Production Engineering), Final Examination 2016. (CPI 8.85)
27. Gold Medal awarded to Mr. Sachin Kumar Garg (Registration No. 2014TH02) for standing first at M.Tech. Mechanical Engineering (Thermal Engineering), Final Examination 2016. (CPI 9.50)
28. Gold Medal awarded to Mr. Vijit Chawla (Registration No. 2014MB41) for standing first at Master of Business Administration, Final Examination 2016. (CPI 9.93)
29. Gold Medal awarded to Ms. Vineeta Bedi (Registration No. 2013CA17) for standing first at Master of Computer Applications, Final Examination 2016. (CPI 9.44)
30. Gold Medal awarded to Ms. Saraswati Bajaj (Registration No. 2014MSC02) for standing first at Master of Science (Mathematics & Scientific Computing), Final Examination 2016. (CPI 9.48)
31. Gold Medal awarded to Ms. Swati Rawal (Registration No. 2014MSC14) for standing first at Master of Science (Mathematics & Scientific Computing), Final Examination 2016. (CPI 9.48)
32. Gold Medal awarded to Ms. Aanya Srivastava (Registration No. 2014MW03) for standing first

- at Master of Social Work, Final Examination 2016. (CPI 9.38)
33. Gold Medal awarded to Ms. Arti (Registration No. 2014MW02) for standing first at Master of Social Work, Final Examination 2016. (CPI 9.38)

Gold Medals for Under Graduate Examination-2016

1. Gold Medal awarded to Ms. Saubhagya Srivastava (Registration No. 20120044) for standing first at B.Tech. (Biotechnology), Final Examination 2016. (CPI 9.07)
2. Gold Medal awarded to Mr. Sankalp Tripathi (Registration No. 20129050) for standing first at B.Tech. (Chemical Engineering), Final Examination 2016. (CPI 9.26)
3. Gold Medal awarded to Mr. Priyanjul Shukla (Registration No. 20121089) for standing first at B.Tech. (Civil Engineering), Final Examination 2016. (CPI 8.93)
4. Gold Medal awarded to Mr. Priyanshu Srivastava (Registration No. 20124064) for standing first at B.Tech. (Computer Science and Engineering), Final Examination 2016. (CPI 9.73)
5. Gold Medal awarded to Mr. Deepankar Kumar Singh (Registration No. 20129011) for standing first at B.Tech. (Information Technology), Final Examination 2016. (CPI 9.20)
6. Gold Medal awarded to Mr. Priyanshu Gupta (Registration No. 20120016) for standing first at B.Tech. (Electrical Engineering), Final Examination 2016. (CPI 9.18)
7. Gold Medal awarded to Ms. Anumita Gupta (Registration No. 20128003) for standing first at B.Tech. (Electronics and Communication Engineering), Final Examination 2016. (CPI 9.84)

8. Gold Medal awarded to Mr. Vishal Ajmera (Registration No. 20123109) for standing first at B.Tech. (Mechanical Engineering), Final Examination 2016. (CPI 9.43)
9. Gold Medal awarded to Mr. Gaurav Agrawal (Registration No. 20126061) for standing first at B.Tech. (Production and Industrial Engineering), Final Examination 2016. (CPI 8.65)

Institute Gold Medal

1. Institute Gold Medal awarded to Ms. Anumita Gupta (Registration No. 20128003) of B.Tech. (Electronics and Communication Engineering) for standing first amongst students of all branches of the Institute Final Examination 2016. (CPI 9.84)

Gold Medals–2016 for Under Graduate Programmes

1. Gold Medal awarded to Mr. Aman Verma (Registration No. 20138047) of B.Tech. (Computer Science and Engineering) for standing first at B.Tech. Third Year Examination 2016. (CPI 9.58)
2. Gold Medal awarded to Mr. Pradeep Kumar Srivastava (Registration No. 20142013) of B.Tech. (Electrical Engineering) for standing first at B.Tech. Second Year Examination 2016. (CPI 9.54)
3. Gold Medal awarded to Mr. Aman Sharma (Registration No. 20143090) of B.Tech. (Mechanical Engineering) for standing first at B.Tech. Second Year Examination 2016. (CPI 9.54)
4. Gold Medal awarded to Ms. Stuti Jain (Registration No. 20158025) of B.Tech. (Computer Science and Engineering) for standing first at B.Tech. First Year Examination 2016. (CPI 9.50)

RESEARCH AND DEVELOPMENT ACTIVITIES

- 8.1 Research and Consultancy (R&C) Cell
- 8.2 Research Projects
- 8.3 Sponsored Research Projects Completed
- 8.4 Consultancy Projects
- 8.5 TEQIP-II
- 8.6 Institute Industry Interaction (III) Cell

8.1 RESEARCH AND CONSULTANCY (R&C) CELL

Knowledge of latest research innovations is the key for developing the technical manpower of the nation. With this motto, the Research and Consultancy Cell at this Institute has grown significantly. Our faculty members and researchers are actively participating in Research and Development projects. Institute faculty provides a variety of consultancy and testing services to various public and private industries and also to construction departments of the State and the Central Governments. The Institute is well-endowed with high-quality equipment and advanced computing facilities. International collaborations with some leading universities and industries by the Institute provide an exciting platform for generating ideas and concepts, which are required for meaningful research.

Over the last decade, rapid advancement in computational power coupled with availability of high end, low cost CAE software, has contributed largely to the development of research and consultancy in different areas of engineering and management at this Institute. Theses and developmental research oriented activities have made a significant contribution in enriching researchers by sharing of knowledge of theory and fundamentals through mutual interactions by way of consultancy and testing projects.

Some of the activities of the Research and Consultancy Cell of the Institute are:

Sl.No.	Activities
1.	To frame and revise rules for Research & Consultancy.
2.	To provide guidance for submitting sponsored research proposals to funding agencies such as DST, BARC, BRNS, ISRO, DRDO, AR & DB and DBT.
3.	Recruitment and management of project staff.
4.	Support for special lectures of Academic, Research and Industrial relevance for latest knowledge.
5.	Managing Institute funded research projects for newly joined faculty members.
6.	Conducting sensitization workshop for the faculty members to enhance the number of externally funded research projects.

8.2 RESEARCH PROJECTS

The Institute receives a large number of research projects from various organizations including SERB, DBT, CSIR, ICSSR, CST Lucknow, DRDO, MNRE, UPPCB, UGC, DIT Institutional Research has been further boosted by the Institute to new faculty members. During the year 2016-17, there were 13 Externally Funded Research Projects sanctioned in the Institute amounting to about ₹ 1.77 crores. During this year, the Institute received total number of 265 testing and consultancy projects worth ₹ 1.92 crores. List of externally funded research projects is given in **Annexure 6**.

8.3 SPONSORED RESEARCH PROJECTS COMPLETED

Sl. No	Principal Investigator/ Co-ordinator	Title of Project	Sponsoring Agency	Month Year of Project. Sanction and Duration
1	Dr. Vishnu Agrawal	Study of antibody and human polymorphonuclear neutrophils (PMN) mediated phagocytosis of PNAG positive Staphylococcus epidermidis biofilms and estimation of caspase-3 like protease (clp) production	DBT, New Delhi	May-2013 3 Years
2	Prof. Vinod Yadava	Cylindrical Electrolytic Magnetic Abrasive Machining (CEMAM): Development, Modeling and Optimization	CSIR, New Delhi	Oct-2013 3 Years
3	Dr. A. R. Paul	Flow Control in Complex Ducts using Synthetic Jets	SERB, New Delhi	Aug-2013 3 Years
4	Dr. Anjana Pandey	Integrated bio-hydrogen production from renewable biomass and biological wastes using microbial strains	DBT, New Delhi	Mar-2014 3 Years
5	Dr. Goutam Ghosh	Response of Curved Bridges with Isolation Bearings	SERB, New Delhi	May-2013 3 Years
6	Dr. A. K. Ojha	Synthesis and optical characterization of low dimension systems	SERB, New Delhi	Nov-2013 3 Years

8.4 CONSULTANCY PROJECTS

The Institute allows consultancy projects from various Government, Private, Multinational Companies and Non Government Organizations for faculty members. The Consultancy project fee is distributed on sharing basis. In this financial year the Institute received consultancy from various clients such as Irrigation Dept., U.P. Jal Nigam, Nagar Nigam, Rites, Allahabad Development Authority, Power Grid Corporation Ltd., Ganga Pollution Control Unit, UP Project Corporation Ltd. and many others. Total fee received from the consultancy project was approx ₹2.63 crore.

Annexure-7.

8.5 TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-PHASE-II (TEQIP-II)

Technical Education Quality Improvement Programme (TEQIP) was envisaged as a long-term programme of about 10-12 years duration to be implemented in 2-3 phases for transformation of the Technical Education System with the World Bank assistance.

As per TEQIP structure, each phase is required to be designed on the basis of lessons learnt from the implementation of an earlier phase. TEQIP-I started a reform process in 127 Institutions. The reform process needs to be sustained and scaled-up for embedding gains in the system and taking the transformation to a higher level. To continue the development activities initiated through TEQIP-I, a sequel Project is planned as TEQIP-II.

Objectives

The Project has following objectives:

- (i) Strengthening Institutions to produce high quality engineers for better employability.
- (ii) Scaling-up postgraduate education and demand- driven Research & Development and Innovation.
- (iii) Establishing Centres of Excellence for focused applicable research.
- (iv) Training of faculty for effective Teaching.
- (v) Enhancing Institutional of System Management Effectiveness.

During the year 2016-17, there were around 16 Conferences/ Seminars/ Workshops/ Short Term Courses conducted in the Institute under TEQIP-II.

Equipments amounting to ₹41,00,000/- were procured from TEQIP-II funds.

8.6 INSTITUTE INDUSTRY INTERACTION (III) CELL

The Institute Industry Interaction Cell was established in the Institute in the year 1989 under the scheme of Institute Industry Interaction, Ministry of Human Resource Development. With several layers of collaboration being built by the government to develop the Make in India program, the manpower needs have to be fulfilled in order to witness the required development. Though availability of manpower is abundant in India, well equipped manpower with employability skills is the need of the hour.

There is a need to create avenues for a close academia and industry interaction through all the phases of technology development, starting from conceptualizing to commercialization. The main objectives of the Cell are:

- (i) Visits of faculty to different industries for getting first hand technological information and industrial exposure to tune their knowledge to cope with the industrial culture.
- (ii) Visits of industry executives and practicing engineers to the Institute for study of research work, laboratories, discussions and delivering lectures on subjects of mutual interest.
- (iii) Undergraduate and post graduate projects /dissertation work in industries under joint guidance of the faculty and experts from industry.
- (iv) Organizing Workshops, conferences and symposia with joint participation of the faculty and the industries.
- (v) Participation of industrial experts for modification of the curriculum to cater the present needs of industries.

The III Cell encourages its faculty, technicians and students to interact with industry in all possible ways with the spirit of deriving mutual benefit and forging continuing links with experts in different fields of expertise knowledge sharing.

SCHOLARSHIP AND ASSISTANTSHIP PROVIDED TO STUDENTS

- 9.1 Support to SC/ST/OBC/Differently Abled Students**
- 9.2 Financial Support**

9.1 Support to SC/ ST/ OBC/ Differently Abled Students

- (i) Seats are reserved for SC/ ST/ OBC and differently abled students for the undergraduate and postgraduate courses as per Central Government norms. The Government also provides scholarships to SC/ ST students.
- (ii) Scholarship worth ₹1,51,102/- was sanctioned to ST students by Ministry of Tribal Affairs, New Delhi during the Session 2016-17.
- (iii) Scholarship worth ₹4,04,519/- was sanctioned to SC students by Ministry of Social Justice and Empowerment, New Delhi during the Session 2016-17.

9.2 Financial Support

- (i) During the financial year 2016-17, financial aid to 31 students was sanctioned from Student Welfare Fund.
- (ii) During the Financial Year 2016-17 under review, a sum of ₹15,000/- was sanctioned for student activities from Student Welfare Fund.
- (iii) During the Financial Year 2016-17 under review, 22 students were awarded Gold Medals worth ₹73,572/- sponsored by alumni and faculty members.
- (iv) Scholarship and Assistantships provided to deserving students from various sources is given in the following table:

Scholarship and Assistantship

Sl. No.	Department	Place	No. of Students	Total Amount (INR)
	District Social Welfare Office	Allahabad		
(i)	OBC student		306	Scholarship + Tuition Fee
(ii)	SC/ST student		166	Scholarship + Tuition Fee
(iii)	General student		277	Scholarship + Tuition Fee
(iv)	Minority student		21	Scholarship + Tuition Fee
	MNNIT	Allahabad		
(i)	M.Tech.		392	₹ 12,400/- per month
(ii)	Ph.D		92	₹ 25,000/- per month & ₹ 28,000/- per month
	O. P. Gems		3	₹ 85,000/- per student + Certificate and Gold Medal
	Merit Scholarship	MNNIT Allahabad	170	₹ 3000/- per student and Merit Certificate
	Received Scholarship (Other State)			
(i)	N.C.E.R.T	Delhi	5	₹ 2,48,000/-
(ii)	NTSE	Delhi	4	₹ 3,15,000/-
(iii)	State Government	Bihar	16	₹ 13,54,143/-
(iv)	State Government	M.P.	11	₹ 6,85,000/-
(v)	State Government	Dehradun	2	₹ 1,12,000/-
(vi)	State Government	Faridabad	1	₹ 75,000/-
(vii)	State Government	Chhattisgarh	1	₹ 60,960/-
(viii)	Indian Oil Corporation	Delhi	10	₹ 11,90,700/-
(ix)	ONGC	Dehradun	-	-
(x)	Central Sector Scholarship	MHRD, New Delhi	48 SC + 15 ST	(a) Annual Fee (b) Other Non Refundable charge (c) Lodging & Boarding Charge (d) Books & Stationery. (e) Computer
	NEFD Scholarship	NEFD	05	₹ 3,95,900/-

FACULTY ACHIEVEMENTS

- 10.1 Department of Applied Mechanics
- 10.2 Department of Biotechnology
- 10.3 Department of Civil Engineering
- 10.4 Department of Chemical Engineering
- 10.5 Department of Chemistry
- 10.6 Department of Computer Science & Engineering
- 10.7 Department of Electronics & Communication Engineering
- 10.8 Department of Electrical Engineering
- 10.9 GIS Cell
- 10.10 Department of Humanities & Social Sciences
- 10.11 Department of Mathematics
- 10.12 Department of Mechanical Engineering
- 10.13 Department of Physics
- 10.14 School of Management Studies

10.1 DEPARTMENT OF APPLIED MECHANICS

Vision

To establish itself as a department recognized for its quality post graduate education and research in the broad field of Applied Mechanics and Materials.

Mission

To produce high quality human resource in the area of Applied Mechanics and Materials Engineering by way of continuous up-gradation of curriculum, improvement in academic processes & ambience, and faculty & infrastructure development. To create knowledge resource through research in emerging areas of Applied Mechanics and Materials in collaboration with national & international academic, research and industrial organizations and disseminate the same by contributing and conducting STTP, Workshops, Symposiums and Conferences.

List of UG Laboratories

- (i) Engineering Mechanics Laboratory

List of M. Tech Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Deshmukh Mahesh Balasaheb	2014AM18	Inter-Laminar Normal Stress Evaluation Based on the Least Square of Error Method Using FEM.	Dr. Anindya Bhar
2.	Ashutosh Yadav	2014MT01	Development and Characterization of Coating for Biomedical Application	Dr. Ajaya Bharti
3.	Nidhi Devi	2014AM14	Free Vibration Analysis of CNT Reinforced stiffened laminated Composite plates.	Dr. Anindya Bhar
4.	Manbir Singh Dhot	2014AM02	Finite element analysis of carbon nanotubes reinforced nanocomposite	Dr. K. K. Shukla
5.	Prabhakar Pandey	2014FE10	Computational Analysis of Heat Transfer Enhancement in Fin and Tube Heat Exchanger using Rectangular Vortex Generators	Dr. Vivek Kumar Patel
6.	Pradeep Kumar	2014MT14	Synthesis and Characterization of Sugarcane based Biocomposite	Dr. S.J. Pawar
7.	Tripti Sonker	2014AM16	Structure Health Monitoring of composite using Electromechanical Impedance technique	Dr. Ajaya Bharti
8.	Taresh Sarvesh Sharan	2014BM01	Heart Auscultation Analysis using Digital Stethoscope	Dr. S. J. Pawar
9.	Sachin Kumar	2014AM17	Free Vibration Analysis of Stiffened Plates of CNT Reinforced Composites.	Dr. Anindya Bhar
10.	Preeti Taivatiya	2014AM11	Finite element analysis of sandwich composite panels under low velocity impact	Dr. K. K. Shukla
11.	Kulkarni Amrut Hanumant	2014FE03	Study on the Atomization of Fuels using Eulerian-Lagrangian Approach	Dr. Vivek Kumar Patel

- (ii) Strength of Material Laboratory
- (iii) Material Science & Engineering Laboratory
- (iv) Fluid Mechanics and Hydraulic Laboratory
- (v) Compressible Flow Laboratory
- (vi) Structural Analysis Laboratory
- (vii) Departmental Workshop
- (viii) Experimental Stress Analysis Laboratory
- (ix) Dynamics of Machines Laboratory
- (x) Robotics Laboratory
- (xi) Vibration Laboratory

List of PG Laboratories

- (i) Experimental Solid Mechanics Laboratory
- (ii) Materials Development Laboratory
- (iii) Biomedical Engineering Laboratory

Courses Run by Department

- (i) M.Tech. in Applied Mechanics (Last batch 2016-18) M.Tech. in Engineering Mechanics & Design (First batch 2017-19).
- (ii) M.Tech. in Biomedical Engineering.
- (iii) M.Tech. in Fluids Engineering.
- (iv) M.Tech. in Material Science & Engineering.

12.	Nitish Kumar Singh	2014MT04	Simulation of Zirconia based Thermal Barrier Coating	Dr. S. J. Pawar
13.	Suraj Tiwari	2014BM08	Development of Biomaterial for Orthopedic Implant	Dr. Ajaya Bharti
14.	Ankit	2014BM13	Coated Magnesium Alloy as a Bio-Degradable Orthopedic Metallic Implant	Dr. Ajaya Bharti
15.	Ruchi Singh	2014BM10	Design and Simulation of Micropump using Piezoelectric Actuation	Dr. S. J. Pawar
16.	Santanu choudhury	2014AM13	Static and dynamic analysis of wind turbine blade subjected to realistic loading conditions	Dr. K. K. Shukla
17.	Jitendra Pal	2014FE02	CFD Analysis on Adjustable Type Drip Irrigation Emitters	Dr. Vivek Kumar Patel
18.	Dhirendra	2014MT06	Design & Simulation of Tangential Micromixer	Dr. S. J. Pawar
19.	Dheeraj Vishwakarma	2014BM11	Modelling of Human Middle Ear with Image Reconstruction Technique	Dr. S. J. Pawar
20.	Shivangi Giri	2014BM09	Design of Biomechanical Model of Human Leg	Dr. R. P. Tewari
21.	Akash Srivastava	2014BM04	Design and Development of Microcontroller based Ankle Foot Orthotic Device	Dr. Ravi Prakash Tewari
22.	Deepak Kumar Singh	2014FE08	Computational Study on Flow Control over Airfoil using Synthetic Jet	Dr. Anuj Jain
23.	Neeraj Kumar Mishra	2014MT11	Modeling and Simulation of Dielectric Elastomer using COMSOL Multiphysics	Dr. Anuj Jain
24.	Shubham Gupta	2014BM12	Voice Recognition based Motorized Wheel Chair for Handicapped Person	Dr. Ravi Prakash Tewari
25.	Ankur Pandey	2014BM05	Biomedical Engineering Coating over Medical Implant	Dr. Ravi Prakash Tewari
26.	Ashish Kumar Mishra	2014FE06	Computational Studies on Solar Desalination Unit	Dr. Anuj Jain
27.	Rishi Kanaujia	2014MT05	Effect of Artificial Ageing on Al2024	Dr. Anuj Jain
28.	Jitendra Mehta	2014BM07	Study of Electromechanical Behaviour of Dielectric Elastomer Actuator for Artificial Muscle Applications	Dr. Ravi Prakash Tewari
29.	Anu Goel	2014BM02	Wavelet Neural Network for Prediction of Lower Limb Joint Angles	Dr. Ravi Prakash Tewari
30.	Sristi VRLB Srivani	2014FE11	A study on Pneumatic Capsule Pipeline	Dr. Anuj Jain
31.	Akanksha Yadav	2014MT10	Study of Structural and Magnetic Properties in Cerium substituted Strontium Ferite	Dr. Anuj Jain
32.	Saurabh Kumar Sahu	2014FE04	Experimental Study on Tangential and Axial Turbine Flowmeters	Vivek Kumar Patel
33.	D. Manikandan	2014AM10	Effect of Bend-Twist Coupling on the Performance of Stall Controlled Wind Turbine Blades	Dr. V. Murari
34.	Vibhanshu Pandey	14AM03	Damage Analysis of Composite Bolted Joint Subjected to Low Velocity Impact	V. Murari

Publication in International Journals

1. Deepak Kumar Singh, Anuj Jain, Akshoy Ranjan Paul, "Computational study on convective heat transfer from a flat plate subjected to cross flow and normal synthetic jet", International Journal of Scientific Development and Research, vol.1, Issue 4, pp.183-190, 04/2016, Published by I.J.S.D.R. , India. (IF = 5.47).
2. K. Snigdha, B. K. Singh, A. S. Mehta, R. P. Tewari and P. K. Dutta, "Self-assembling N-(9-Fluorenyl

- meth-oxycarbonyl)-LPhenylalanine hydrogel as novel drug carrier", *International Journal of Biological Macromolecules*, Issue 2, pp.1016-2372, 07/2016, (SCI).
3. S. P. Paruchuru, Anuj Jain and X. N. Dong, "Loading Rate Requirements of a Compact Sandwich Test for Fracture Toughness Testing of Bone and Biomaterials", *Trends in Biomaterials & Artificial Organs*, vol.30, Issue 2, pp.95-99, 08/2016, Published by Society for Biomaterials and Artificial Organs. (Scopus, IF = 0.792)
 4. K. Guru, T. Sharma, K. K. Shukla and S. B. Mishra, "Study of Effect of Interface on the Elastic Modulus of CNT Nanocomposites", *Journal of Nanomechanics and Micromechanics*, vol.6, Issue 3, pp. 1-10, 09/2016, Published by ASCE. (SCI, IF = 1.60)
 5. Taimoor Asim, Rakesh Mishra, Sufyan Abushaala, Anuj Jain, "Development of a design methodology for hydraulic pipelines carrying rectangular capsules," *International Journal of Pressure Vessels and Piping*, vol.146, pp. 111-12, 10/2016, Published by Elsevier BV. (SCI, IF = 1.432)
 6. Yu-Ting Tsai, S. J. Pawar, Chi-Chang Wang, and Jin H. Huang, "The damage prevention of moving-coil transducers by dynamic detection of excessive diaphragm displacement", *Journal of the Acoustical Society of America*, vol.141, Issue 3, pp.1615-1626, 03/2017, Published by Acoustical Society of America. (SCI, IF = 1.547).
 2. Santanu Choudhury, Tushar Sharma and K. K. Shukla, "Static Response of Wind Turbine Blade under Actual Loading Effect", *ICCMS 2016*, IIT Bombay, 06/2016.
 3. Rajendra Bahadur, A. K. Upadhyay, K. K. Shukla, "Static analysis of doubly curved FGM panel on rectangular plan-form", *ICCMS 2016*, IIT Bombay, 06/2016.
 4. Sharad Rawat, A. K. Upadhyay, K. K. Shukla, "Energy absorption characteristics of Aluminium alloy 6061 square corrugated tubes under axial and oblique impact loading", *ICCMS 2016*, IIT Bombay, 06/2016.
 5. Tushar Sharma, V. Murari, and K. K. Shukla, "Static Analysis of Doubly Tapered Thin Walled Composite Box Beam under Axial Loading", *Sixth International Congress on Computational Mechanics and Simulation (ICCMS 2016)*, IIT Bombay, 07/2016.
 6. Anirudh Narayanan, Sharad Rawat and A. K. Upadhyay, "Crashworthiness and multiobjective optimization of axially loaded Aluminium elliptical tapered hollow sections", *Sixth International Congress on Computational Mechanics and Simulation (ICCMS 2016)*, IIT Bombay, 07/2016.
 7. A. Bhar and R. Shakya, "Stiffened Plates of CNT Reinforced Composites: Static Response Using FEM", *Sixth International Congress on Computational Mechanics and Simulation (ICCMS-2016)*, IIT Bombay, India, pp.Paper No. , 07/2016, Published by ICCMS-2016.

Publication in National Conferences

1. Tushar Sharma, V. Murari and K. K. Shukla, "Static response of thin walled CNT reinforced laminated composite box beam", *Structural Engineering Convention, SEC2016, CSIR-SERC Chennai*, 12/ 2016.
2. Sharad Rawat, A. K. Upadhyay and K. K. Shukla, "Crushing analysis of tapered circular corrugated tubes subjected to impact loading", *Structural Engineering Convention, SEC2016, CSIR-SERC and IIT Madras*, 12/2016.
8. M. B. Deshmukh and A. Bhar, "A Method for Accurate Transverse Normal Stress Evaluation in Laminated Composites Using Simple HSDT", *Sixth International Congress on Computational Mechanics and Simulation, IIT Bombay, India*, pp. Paper No. , 07/2016, Published by ICCMS-2016.
9. Aarti Sharma, J. K. Rai and R. P. Tewari, "Anticipation of Epileptic Seizure in Advance and Localization of Seizure Onset Zone using Power Spectral Density", *Proceedings of the IEEE 2nd International Conference on Innovative Applications of Computational Intelligence on Power, Energy and Control with their Impact on Humanity (CIPECH-2016)*, Ghaziabad, India, 11/2016, pb IEEE.

Publication in International Conferences

1. Hemant K Singh, Aadhar Kaushik, Ravi Prakash and K. K. Shukla, "Energy saving potential of natural insulation materials in the built environment", *ARIMPIE-2016, ITS, Gr. Noida*, 04/ 2016.

10. V. K. Patel, Y. K. Baghel and S. Kumar, "Effect of Air Inlet Velocity and Turbulent Intensity on Breakage of Fuel Jet in Air Blast Atomizer using Population Balance Model", 6th International and 43rd National Conference on Fluid Mechanics & Fluid Power, MNNIT Allahabad, 12/2016, Published by Cygnus Adv. (India) Pvt. Ltd., Kolkata.
11. Sharad Rawat, Anirudh Narayanan, A. K. Upadhyay and K. K. Shukla, "Multiobjective optimization of functionally corrugated tubes for improved crashworthiness under axial impact", The 11th International Symposium on Plasticity and Impact Mechanics, IMPLAST 2016, IIT Delhi, 12/2016.
12. Digamber Singh, Bholu Kumar, Anuj Jain and Akshoy Ranjan Paul, "Effects of Physical Structure of Nasal Cavity and Nasopharynx on Airflow Field in Human Upper Airways", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, 15-17 Dec. 2016, 12/2016.
13. Deepak Kumar Singh, Anuj Jain and Akshoy Ranjan Paul, "Active Flow Control on NACA23012 Airfoil using Combined Action of Synthetic Jet and Continuous Jet", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, 15-17 Dec. 2016, 12/2016.
14. Sristi V.R.L.B. Srivani, Sushma C., Akshoy Ranjan Paul and Anuj Jain, "Computational Study on Pneumatic Capsule Pipeline (PCP)", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, 15-17 Dec. 2016, 12/2016.
15. Vivek Kumar Srivastav, Bholu Kumar, Anuj Jain and Akshoy Ranjan Paul, "A Computational Study on Airflow in Human Respiratory Tract at Normal and Heavy Breathing Conditions", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), MNNIT Allahabad (India), 12/2016.
16. V. K. Patel, P. Sharma and A. Negi, "Augmentation of Heat Transfer in Plate Fin and Tube Heat Exchangers with Vortex Generators", 6th International and 43rd National Conference on Fluid Mechanics & Fluid Power, MNNIT Allahabad, 12/2016, Published by Cygnus Adv. (India) Pvt. Ltd., Kolkata.
17. Ashish Kumar Mishra, Atiq-Ur-Rehman, Akshoy Ranjan Paul and Anuj Jain, "Performance Analysis of an Impeller of a Centrifugal Pump using OpenFOAM", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, 15-17 Dec. 2016, 12/2016.
18. Rakesh Kumar, Neeraj Shukla, Akshoy Ranjan Paul and Anuj Jain, "CFD Simulation of Cerebrospinal Fluid Flow in Human Ventricular System", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), MNNIT Allahabad (India), 12/2016.
19. Soni Kumari, A. K. Upadhyay and K. K. Shukla, "Stress analysis for an infinite plate with circular holes", Materials Today: Proceedings, vol.4, Issue 2, pp.2323-2332, 2017, published by Elsevier. (Scopus).
20. Kamran Ashraf, Ajita Gupta, Miryala Karthik, Akshoy Ranjan Paul and Anuj Jain, "Control of Flow Separation around a Cylinder using DBD Plasma Jet Actuator", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), MNNIT Allahabad (India), 12/2016.
21. V. K. Patel, J. Kumar and R. C. Srivastava, "Experimental Analysis on the Effect of Blade Angle on the Performance Characteristics of Tangential Turbine Flow Meter", 6th International and 43rd National Conference on Fluid Mechanics & Fluid Power, MNNIT Allahabad, 12/2016, Published by Cygnus Adv. (India) Pvt. Ltd., Kolkata.
22. Laszlo E. Kollar, Rakesh Mishra and Anuj Jain, "Inverse Design of Blade Shapes for Vertical Axis Wind Turbines", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, 15-17 Dec. 2016, 12/2016.
23. Atiq-Ur-Rehman, Pankaj Yadav, Akshoy Ranjan Paul and Anuj Jain, "Effect of Number of Blades on Performance of a Centrifugal Pump", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, 15-17, 12/2016.
24. Anoop Singh, Ashish Mishra, Akshoy Ranjan Paul and Anuj Jain, "Effects of Orifice Shape and Frequency of a Synthetic Jet Actuator for Heat Transfer Enhancement of a Flat Plate",

- Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, 15-17, 12/2016.
25. Swapnil Lokram Kombe, Pankaj Bharti, Akshoy Ranjan Paul and Anuj Jain, "Effects of Inter-Capsule Space and Geometric Parameters on Capsule Train in a Hydraulic Capsule Transport Pipeline", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), MNNIT Allahabad (India), 12/2016.
 26. Sharad Rawat, Anirudh Narayanan, Theerthana Nagendiran, A. K. Upadhyay, "Collapse behaviour and energy absorption in elliptical tubes with functionally graded corrugations", The 11th International Symposium on Plasticity and Impact Mechanics, IMPLAST 2016, IIT Delhi, 12/2016.
 27. Stuti Mishra, Akshoy Ranjan Paul, Anuj Jain and Rakesh Mishra, "Optimal Sizing of an Ovoid Duct Transporting Solid-Liquid Mixtures", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), MNNIT Allahabad (India), 12/2016.
 28. Ashish K. Mishra, Kaushal K. Mishra, Anuj Jain, A. R. Paul and B. B. Gulyani, "A Computational Study on Solar Desalination Unit", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), MNNIT Allahabad (India), 12/2016.
 29. A. Kulkarni and V. K. Patel, "Effect of Pre-Heating on the Atomization of Liquid Fuel in Air Blast Atomizer using Eulerian- Lagrangian Approach", 6th International and 43rd National Conference on Fluid Mechanics & Fluid Power, MNNIT Allahabad, 12/2016, Published by Cygnus Adv. (India) Pvt. Ltd., Kolkata.
 30. Abhishek Gupta, Ajay Kumar Jaiswal, Akshoy Ranjan Paul and Anuj Jain, "Flow Separation Control Over NACA2412 Wing using Air Slots", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, 15-17, 12/2016.
 31. Atiq-Ur-Rehman, Pankaj Yadav, Akshoy Ranjan Paul and Anuj Jain, "Effect of Number of Blades on Performance of a Centrifugal Pump", Proceedings of 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), MNNIT Allahabad (India), 12/2016.
 32. V. K. Patel, A. Shrivastava and A. Negi, "Enhancing Heat Transfer in Plate Fin and Tube Heat Exchangers using Vortex Generator Behind the Tube", 6th International and 43rd National Conference on Fluid Mechanics & Fluid Power, MNNIT Allahabad, 12/2016, Published by Cygnus Adv. (India) Pvt. Ltd., Kolkata.
 33. Sushil Kumar Singh, Amit Kumar, Samarjit Singh, Abhishek Kumar* and Anuj Jain, "Effect Of Surface Treatment of SiO₂-Nanoparticles On Mechanical Properties Of Epoxy-Nanocomposites," Proceedings of International Conference in Emerging Trends in Nano Material Science and Technology, 4-6 Jan 2017.
 34. Kishor Kalauni and S. J. Pawar, "Utilization of Natural Bio-resources for Sound Absorption Material", 19th Indian Agricultural Scientists and Farmers' Congress on "Prospects of Green Economy and Value Addition Technology for Attracting and Retaining Youth in Agriculture and Rural Sector", organised by Bioved Research Institute of Agriculture, Technology & Sciences, 103/42 M.L.N. Road (Near Prayag Station), Allahabad., pp.--, 02/2017.
 35. Shiv Kumar Ji Yadav, S. J. Pawar, and Ajaya Bharti, "Assessment of Waste Management of Sugarcane and Farm and Sugarcane Industry", 19th Indian Agricultural Scientists and Farmers' Congress on "Prospects of Green Economy and Value Addition Technology for Attracting and Retaining Youth in Agriculture and Rural Sector", organised by Bioved Research Institute of Agriculture, Technology & Sciences, 103/42 M.L.N. Road (Near Prayag Station), Allahabad., pp.--, 02/2017.
 36. Shiv Kumar Ji Yadav, S. J. Pawar, and Ajaya Bharti, "Assessment of Waste Management of Sugarcane Farm And Sugarcane Industry", 19th Indian Agricultural Scientist and Farmer Congress on "Prospects of Green Economy and Value Addition Technology for Attracting and Retaining Youth in Agriculture and Rural Sector, Bioved Research Institute of Agriculture and Technology Allahabad, India, pp.56, 02/2017.
 37. Shrivastava and V. K. Patel, "CFD Analysis of Turbulent Mixing Characteristics of Passive Scalar Inside a Micro Gas Combustor", IEEE International

conference on AMIAMS2017, MNNIT Allahabad, 02/2017.

SiO₂-epoxy polymer nanocomposite", 7th International Conference on Materials Processing and Characterization 2017, 17-19 March, 2017.

38. Sushil Kumar Singh, Abhishek Kumar and Anuj Jain, "Improving tensile and flexural properties of

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Ashutosh K. Upadhyay	Applied Mathematical Modeling Int. J. of Mechanical Sciences Int. J. of Crashworthiness Advances in Materials Research Journal of Mechanical Engg. Sciences J. of Aerospace Engineering Smart Structures and Systems Wind and Structures
2.	Dr. Anindya Bhar	Composites Part B Mechanics of Advanced Materials and Structures Arabian Journal for Science and Engineering International Journal of Engineering, Science and Technology Arabian Journal for Science and Engineering Composites Part B Proceedings of the National Academy of Sciences, India Section-A, Physical Sciences Arabian Journal for Science and Engineering International Journal of Applied Mechanics International Journal of Mechanical Sciences
3.	Dr. Abhishek Kumar	Advanced Powder Technology
4.	Dr. Anuj Jain	Powder Technology
5.	Dr. S.J. Pawar	Journal of Industrial Textiles Journal of Composite Materials
6.	Dr. Akshoy Ranjan Paul	Journal of Cleaner Production
7.	Dr. Ajaya Bharti	Innovations and Developments in Mechanical Engineering

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/Co-author)	Book	Book Chapter	Publisher
1.	Prof. Anuj Jain Dr. A. R. Paul	E-Book	E-Proceedings for 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power	MNNIT Allahabad
3.	Prof. Anuj Jain Dr. A. R. Paul	Book of Abstracts	Book of Abstracts for 6th International and 43rd National Conference on Fluid Mechanics and Fluid Po	MNNIT Allahabad

Invited Lectures Delivered

1. A lecture is delivered by Dr. S.J. Pawar at Workshop on "Applications of Composites and Nano Materials in Engineering", Department of Textile Technology, Bannari Amman Institute of Technology, (BIT), Sathyamangalam-638401, Tamilnadu, India, on 12/09/2016 entitled Nanomaterial - Synthesis and Processing
2. A lecture is delivered by Dr. S.J. Pawar at Workshop on "Applications of Composites and Nano Materials in Engineering", Department of Textile Technology, Bannari Amman Institute of Technology, (BIT), Sathyamangalam-638401, Tamilnadu, India on 12/09/2016 entitled Introduction to Nanostructures.

3. A lecture is delivered by Dr. S. J. Pawar at Workshop on “Applications of Composites and Nano Materials in Engineering”, Department of Textile Technology, Bannari Amman Institute of Technology, (BIT), Sathyamangalam-638401, Tamilnadu, India on 12/09/2016 entitled Selected Compilation of Textile and Mechanical Applications of Carbon and other Nanomaterials.
4. A lecture is delivered by Dr. S. J. Pawar at Workshop on “Applications of Composites and Nano Materials in Engineering”, Department of Textile Technology, Bannari Amman Institute of Technology, (BIT), Sathyamangalam-638401, Tamilnadu, INDIA on 12/09/2016 entitled Looking back in the History for Nanotechnology and Nanomaterial.
5. A lecture is delivered by Dr. S. J. Pawar at Workshop on “Applications of Composites and Nano Materials in Engineering”, Department of Textile Technology, Bannari Amman Institute of Technology, (BIT), Sathyamangalam-638401, Tamilnadu, INDIA on 12/09/2016 entitled Carbon based Nanomaterials and Nanostructures.
6. A lecture is delivered by Dr. Akshoy Ranjan Paul at National Workshop on Recent Advances in Heat and Fluid Flow, Govt. College of Engg. & Textile Technology, Berhampore (W.B.) on 18/10/2016 entitled Development of Flow Control Strategies
7. A lecture is delivered by Dr. V. Murari at TEQIP sponsored 1 Week Short Term Course on "Advances in Composite Materials (ACM-2016)," Department of Mechanical Engineering, MNNIT Allahabad on 21/10/2016 entitled Micro-mechanics of composites.
8. A lecture is delivered by Dr. Ashutosh K. Upadhyay at Advances in Composite Materials” (ACM-2016), MED, MNNIT Allahabad on 22.10.2016 entitled Design of Laminated Composite Structures.
9. A lecture is delivered by Dr. S. J. Pawar at Workshop on "Applied Mechanics and Manufacturing Process", Department of Mechanical Engineering, INVERTIS University Bareilly (U.P), 03-09-2016 on 09/2016 entitled “Significance of Centroid and Centre of Gravity for Human Life”.

Invited Lectures Organized

1. A lecture is delivered by Prof. Kantesh Balani, Associate Professor, IIT Kanpur on 30/06/2016 entitled Hand on Session on Introduction to Virtual Labs.
2. A lecture is delivered by Swami Brijeshwar Das, ISKCON, Vrindavan, Mathura on 30/09/2016 entitled AIM of LIFE.
3. A lecture is delivered by Mr. Sanjay Vaish, DGM, IFFCO, Phulpur on 01/10/2016 entitled Innovations in IFFCO Phulpur Unit.
4. A lecture is delivered by Prof. K.D. P. Nigam, Emeritus Professor, IIT Delhi on 29/03/2017 entitled Coiled Flow Inverter: A novel device.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	GIAN Course	Thermal Sprayed Coating and Composites: Science Engineering and Applications (TSCC-2016), Motilal Nehru National Institute of Technology, Allahabad	20/06/2016	01/07/2016
2.	Workshop	Career Opportunities for Fresh Graduate Chemical Engineers, Motilal Nehru National Institute of Technology, Allahabad	05/11/2016	05/11/2016
3.	International conference	6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), MNNIT Allahabad	15/12/2016	17/12/2016
4.	Workshop	Applications of Multiphysics and Inverse Modeling to Industrial Problems (AMIMIP-2016), Motilal Nehru National Institute of Technology, Allahabad	18/12/2016	19/12/2016

5.	Faculty Development Program	Modeling and Optimization of Chemical and Biochemical Processes (MOCBP-2017), Motilal Nehru National Institute of Technology, Alld.	16/01/2017	21/01/2017
6.	Workshop	Experimental Approach in Analytical Electrochemistry (EAAE-2017), Motilal Nehru National Institute of Technology, Allahabad	28/01/2017	28/01/2017
7.	Workshop	GIAN Course on "Electroacoustic Transducer – Product Design and Development", MNNIT, Alld.	26/02/2017	03/03/2017
8.	Workshop	Energy Efficiency Management, Motilal Nehru National Institute of Technology, Allahabad	24/03/2017	25/03/2017
9.	GIAN Course	Biomedical Imaging (BMI-2016), Motilal Nehru National Institute of Technology, Allahabad	04/07/2016	15/07/2016

Events Attended

1. Dr. Anuj Jain attended National conference on INAE 10th National Frontiers of Engineering Symposium at IIT Kanpur at IIT Kanpur during 23/06/2016 to 25/06/2016.
2. Dr. Ajaya Bharti attended International conference on Fluid Mechanics and Fluid Power (FMFP-2016) at MNNIT Allahabad during 15/12/2016 to 17/12/2016.
3. Dr. Akshoy Ranjan Paul attended International conference on 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016) at MNNIT Allahabad (India) on/during 15/12/2016 to 17/12/2016.
4. Dr. Anuj Jain attended International conference on 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016) at MNNIT Allahabad on/during 15/12/2016 to 17/12/2016.
5. Dr. Anuj Jain attended International conference on Emerging Trends in Nano Material Science and Technology 2017 at NIT Nagaland on/during 04/01/2017 to 06/01/2017.
6. Dr. Akshoy Ranjan Paul attended National conference on Technology & Innovation in Healthcare Delivery at New Delhi on/during 20/01/2017 to 20/01/2017.
7. Dr. Ajaya Bharti attended International conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017) at MNNIT Allahabad during 03/02/17 to 05/02/17.
8. Dr. Anuj Jain attended Workshop on Orientation Workshop for Technology Business Incubator at IICA, Manesar on during 08/02/17 to 10/02/17.

Other Relevant Information

1. Dr. S. J. Pawar received honorary position of "Advisory Consultant" at the National Research Center for Executive Search of Nanfang College of Sun Yat-sen University, Guangzhou, China on 2016.
2. Dr. S. J. Pawar received an invitation to visit Feng Chia University, Taichung, Taiwan for Academic Collaboration during 29th May 2016 – 11th June 2016 on 05/2016.
3. Dr. S. J. Pawar received International honorary position of "Consultant" for the Master's Program of Electro-acoustic at Feng Chia University, Taichung, Taiwan on 08/2016.
4. Dr. S. J. Pawar received an invitation to visit Feng Chia University, Taichung, Taiwan for Academic Collaboration during 11th Dec. 2016 – 21st Dec. 2016 on 12/2016.
5. Dr. Ajaya Bharti received Recipient of "National Award of Excellence" awarded by Glacier Journal Research Foundation, Ahmedabad, India on 12/2016.
6. Dr. Anuj Jain received Vice-President, National Society of Fluid Mechanics & Fluid Power (NSFMFP), India on 12/2016.

10.2 DEPARTMENT OF BIOTECHNOLOGY

Vision

To generate high quality engineering professionals by offering B.Tech., M.Tech. and PhD programmes in Biotechnology and to develop a premier biotechnology teaching and research department to cater the needs and challenges of the region and the country.

Mission

The biotechnology program vision is to provide quality teaching with a strong core science concepts and an application-oriented undergraduate and post-graduate education along with solid foundation in the rapidly expanding fields of biotechnology that enable them to produce high quality professionals. This includes trans-disciplinary teaching and research. Our goal is to provide students with a sound knowledge and understanding of current theories, concepts and laboratory practices in biotechnology.

List of Laboratories

- (i) Biotechnology Laboratory-I
- (ii) Biotechnology Laboratory-II
- (iii) Biotechnology Laboratory-III
- (iv) Bioinformatics Laboratory
- (v) Green House Laboratory
- (vi) Experimental field
- (vii) Autoclaving and Sterilization Laboratory

Courses Run by the Department

- (i) B.Tech.
- (ii) M.Tech.
- (iii) Ph.D.

List of M. Tech. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Sapna Jain		Production, purification and characterization of protease and its application	Dr. Sangeeta Negi
2.	Ashwani Kumar	2014BT12	Study of differentially expressed genes during heavy metal stress in <i>Cicer arietinum</i> L.	Dr. Ashutosh Mani
3.	Purushottam Kumar Singh	2014BT10	Accumulation of lead by the bacterium <i>Acinetobacter junii</i> Pb1: Cytotoxicity and metal-bacterium interaction	Dr. Radha Rani Mewaram
4.	Onkar Dubey	2014BT01	Study of epigenetic status of CD5 gene promoter in Leukemia	Dr. Sameer Srivastava
5.	Ms. Manisha Rani		Mechanism of antibacterial activity of Dichloromethane extract of <i>Cledodendron phlomidis</i> plant on <i>Bacillus licheniformis</i>	Dr. Nand Kumar Singh
6.	Ms. Meenal Rastogi	2014BT06	Evaluation of serum based biomarker in EOCs in Indian population	Dr. Manisha Sachan
7.	Shefali Singh	2014BT07	Nanozyme based sensor for malathion	Dr. Seema Nara
8.	Rahul Tripathi	2014BT08	Cloning and Characterization of 4CL gene from <i>Leucaena leucocephala</i>	Dr. Sameer Srivastava
9.	Ms. Neha Singh	2014BT05	Process Parameter Optimisation of Hydrogen Production By <i>Bacillus licheniformis</i> using Starch as Substrate	Dr. Anjana Pandey
10.	Swati Singh		Impact of blood platelets on <i>S. epidermidis</i> and its biofilm	Dr. Vishnu Agarwal

Publication in International Journals

1. R. K. Mishra, M. Ramakrishna, V. Mishra, A. Pathak, Shivesh Sharma, A.C. Pandey, S. Rajesh, G. N. Rao and A. Dikshit "Pharmaco-Phylogenetic investigation of methyl gallate isolated from *Acacia nilotica* (L.) and their cytotoxic effect on NIH3T3 mouse fibroblast", *Current Pharmaceutical Biotechnology*, vol.17, pp.540-548, 05/2016, Published by Bentham Science Publ Ltd. (SCI, IF = 2.459).
2. N Upadhyay, Shivesh Sharma, R Rani, S Devi and A Tiwari, "Unravelling the soil bacterial diversity of *Chloroxylon* spp. from degraded soils of Uttar Pradesh.", *Research Journal of Biotechnology*, vol.11, pp.39-46, 05/2016, Published by Research Journal of Biotechnology, India. (Scopus, IF = 0.233).
3. R. Rani, A Juwarkar Vol 37, 413-419, (IF-0.5), "Influence of phorate (an organophosphorus insecticide) on the chemical composition of root.", *Journal of Environmental Biology*, vol.37, Issue 1,

- pp.413-419, 05/2016, Published by Triveni Publications, India. (SCI, IF = 0.5).
4. A Tiwari, S Devi, Shivesh Sharma, N. K. Singh, K Vishwakarma, N Kumar, N Upadhyay, R Verma, P Verma and V Kumar, "Analysis of bulk and pigeonpea rhizosphere soil in middle Gangetic Region of Uttar Pradesh", *Journal of Pure and Applied Microbiology*, vol.10, pp.1-7, 06/2016, Published by Oriental Scientific Pub. Co. (Scopus, IF = .073).
 5. Praachi Tiwari, Pankaj Verma, Amit Kumar Kureel, Sheetal Saini Ambak Kumar Rai, "Pi inhibits intracellular accumulation of methylglyoxal in promastigote form of *L. donovani*.", *Molecular and Biochemical Parasitology*, vol.207, Issue 2, pp.89-95, 06/2016, Published by Elsevier. (SCI, IF = 2.536).
 6. R. K. Mishra, V. Mishra, S. Sharma, A. C. Pandey, and A. Dikshit, "Anti-dermatophytic potential of *Ajugabracteosa* Wall Ex Benthleaf extract mediated AgNPs with particular emphasis to lesion on plasma membrane", *Material Focus*, vol.5, Issue 3, pp.249-257, 06/2016, Published by American Scientific Publishers.
 7. V. Mishra, V. Baranwal, R. K. Mishra, S. Sharma, B.Paul and A.C. Pandey, "Titanium dioxide nanoparticles augment allergic airway inflammation and Socs3 expression via NF- κ B pathway in murine model of asthma", *Biomaterials*, vol.92, pp.90-103, 06/2016, Published by Elsevier. (SCI, IF = 8.402).
 8. N. Upadhyay, S. Sharma, R. Rani, S. Devi and A. Tiwari, "Unraveling the soil bacterial diversity of *Chloroxylon* spp. from degraded soils of Uttar Pradesh," *Research Journal of Biotechnology*, vol.11, Issue 5, pp.50-57, 07/2016, (SCI, IF = 0.4).
 9. Mamta Pamnani, Puja Sinha, Seema Nara, Manisha Sachan, "Study of Sox9 and Oct4 promoter methylation and its correlation with expression during testis development in laboratory mouse", *Genetics and Molecular Biology*, vol.39, Issue 3, pp.452-459, 07/2016, Published by Genetics and Molecular Biology. (SCI).
 10. Sharmila Biswas, Pranav Tripathi, Nitin Kumar, Seema Nara, "Gold nanorods as peroxidase mimetics and its application for colorimetric biosensing of malathion," *Sensors and Actuators B*, vol.231, pp.584-592, 08/2016, Published by Elsevier. (SCI, IF = 5.401).
 11. N. Arif, V. Yadav, S. Singh, S. Singh, R. Mishra, S. Sharma, N. K. Dubey, D. K. Tripathi, and D. K. Chauhan, "Current Trends of Engineered Nanoparticles (ENPs) in Sustainable Agriculture: An Overview.", *Journal of Environmental and Analytical Toxicology*, vol.6, pp.5, 08/2016, Published by OMICS International.
 12. V. Yadav, N. Arif, S. Singh, P. K. Srivastava, S. Sharma, D. K. Tripathi, N. K. Dubey and D. K. Chauhan, "Exogenous Mineral Regulation Under Heavy Metal Stress: Advances and Prospects.", *Biochemistry and Pharmacology*, vol.5, Issue 5, pp.2167-0501, 09/2016, Published by OMICS International.
 13. Pratibha Bhadauriya, Birendra Singh Yadav, Swati Singh, Ashutosh Mani, "Binding preferential of chickpea cold shock protein during nucleic acid interactions", *Journal of Plant Biochemistry and Biotechnology*, vol.26, pp.208-215, 10/2016, Published by Springer. (SCI, IF = 1.2).
 14. M. Kaur, S. Gupta and M. Sachan, "Development of a multiplex methylight assay for the detection of DAPK and SOX1 methylation in epithelial ovarian cancer in north Indian population", *Genes & Genetic Systems*, vol.26, Issue 91, pp.175-181, 11/2016, Published by Genetics Society of Japan. (SCI, IF = 1.4).
 15. N. Arif, V. Yadav, S. Singh, S. Singh, P. Ahmad, R. Mishra, S. Sharma, D. K. Tripathi, N. K. Dubey, and D. K. Chauhan, "Influence of High and Low Levels of Plant-Beneficial Heavy Metal Ions on Plant Growth and Development", *Frontiers in Environmental Science*, vol.4, pp.69, 11/2016, Published by Frontiers. (SCI, IF = 6.4).
 16. Ajay Kumar Pandey, Edgard Gnansou and Sangeeta Negi, "Optimization of Concomitant Production of Cellulase and Xylanase from *Rhizopus oryzae* SN5 through EVOP-Factorial Design Technique and Application in Sorghum Stover Based Bioethanol Production", *Renewable Energy*, vol.98, pp.51-56, 12/2016, Published by Elsevier. (SCI, IF = 4.357)
 17. H. Pandey, R. Rani, V. Agarwal, "Liposome and Their Applications in Cancer Therapy.", *Brazilian Archives of Biology and Technology*, vol.59, Issue

- 1, pp.112-116, 12/2016, Published by Scielo. (SCI, IF = 0.5).
18. M. Rastogi, S. Gupta and M. Sachan, "Biomarkers towards Ovarian Cancer Diagnostics: Present and Future Prospects", *Brazilian Archives of Biology and Technology*, vol.59, pp.1-15, 12/2016, Published by Technology Institute of Paraná - TECPAR. (SCI, IF = 1.0).
 19. N. Upadhyay, S. Verma, A. P. Singh, S. Devi, K. Vishwakarma, N. Kumar, A. Pandey, K. Dubey, R. Mishra, D. K. Tripathi, R. Rani and S. Sharma, "Soil ecophysiological and microbiological indices of soil health: a study of coal mining site in Sonbhadra, Uttar Pradesh", *Journal of Soil Science and Plant Nutrition*, vol.16, Issue 3, pp.778-800, 12/2016, Published by Sistema SciELO Chile de Publicación. (SCI, IF = 1.6).
 20. Ambak Kumar Rai and Dipendra Kumar Mitra, "HIV induced suppression of host immunity: relevance to Mycobacterium tuberculosis infections", *HIV & AIDS Review*, vol.16, Issue 1, pp.1-15, 12/2016, Published by Elsevier. (SCI).
 21. L. B. Hesson, Ng B, P. Zarzour, S. Srivastava, C. T. Kwok, D. Packham, A. C. Nunez, D. Beck, R. Ryan, A. Dower, C. E. Ford, J. Pimanda, M. A. Sloane, N. J. Hawkins, M. J. Bourke, J. W. Wong, R. L. Ward, "Integrated Genetic, Epigenetic and Transcriptional Profiling Identifies Molecular Pathways in the Development of Laterally Spreading Tumours", *Molecular Cancer Research*, vol.14, Issue 12, pp.1217-1228, 12/2016, Published by AACR. (SCI, IF = 4.974).
 22. V. K. Singha, A. Devia, S. Pathania, V. Kumara, D. K. Tripathi, S. Sharma, D. K. Chauhan, V. K. Singh and Vassilia Zorbag, "Spectroscopic investigation of wheat grains (*Triticum aestivum*) infected by wheat seed gall nematodes (*Anguina tritici*)", *Biocatalysis and Agricultural Biotechnology*, vol.9, pp.58-66, 01/2017, Published by Elsevier. (SCI).
 23. P. Sinha, K. Singh and M. Sachan, "High resolution methylation analysis of the HoxA5 regulatory region in different somatic tissues of laboratory mouse during development", *Gene Expression Pattern*, vol.23, pp.59-69, 01/2017, Published by Elsevier. (SCI, IF = 2.1).
 24. A. Kanwal, M. Kaur, A. Singh, S. Gupta and M. Sachan, "Hypo/unmethylated promoter status of Cdk2 gene correlates with its over-expression in ovarian cancer in north Indian population", *Cellular and Molecular Biology*, vol.62, Issue 1, pp.67-72, 01/2017, Published by OMICS International. (SCI, IF = 1.2).
 25. P. Sinha, K. Singh and M. Sachan, "Heterogeneous pattern of DNA methylation in developmentally important genes correlates with its chromatin conformation", *BMC Molecular Biology*, Issue 18, pp.1-9, 01/2017, Published by BioMedCentral. (SCI, IF = 2.5).
 26. D. K. Tripathi, A. Tripathi, S. Gaur, S. Singh, Y. Singh, K. Vishwakarma, G. Yadav, Shivesh Sharma, V. K. Singh, R. K. Mishra, N. K. Dubey, R. G. Upadhyay, Y. Lee and D. K. Chauhan "Uptake, accumulation and toxicity of silver nanoparticle in autotrophic plants, and heterotrophic microbes: A concentric review.", *Frontiers in Microbiology*, vol.8, pp.7, 01/2017, Published by Frontiers. (SCI, IF = 4.076).
 27. D. K. Tripathi, R. K. Mishra, S. Singh, S. Singh, K. Vishwakarma, S. Sharma, V. P. Singh, P. K. Singh, D. K. Chauhan, S. M. Prasad, N.K. Dubey, and A.C. Pandey, "Nitric oxide ameliorates zinc oxide nanoparticles phytotoxicity in wheat seedlings: Implication of the ascorbate-glutathione cycle.", *Frontiers in Plant Science*, vol.8, pp.1, 02/2017, Published by Frontiers. (SCI, IF = 4.298).
 28. Arti Kumari, Razi Ahmad, Sangeeta Negi, Sunil Kumar Khare, "Biodegradation of waste grease by *Penicillium chrysogenum* for production of fatty acid", *Bioresource Technology*, vol.226, pp.31-38, 02/2017, Published by Elsevier. (SCI, IF = 5.61).
 29. K. Vishwakarma, N. Upadhyay, N. Kumar, G. Yadav, J. Singh, R. K. Mishra, V. Kumar, R. Verma, R. G. Upadhyay, M. Pandey and S. Sharma, "Abscisic acid signaling and abiotic stress tolerance in plants: A review on current knowledge and future prospects.", *Frontiers in Plant Science*, vol.8, pp.161, 02/2017, Published by Frontiers. (SCI, IF = 4.298).
 30. S. Singh, K. Vishwakarma, S. Singh, S. Sharma, N.K. Dubey, V.K. Singh, S. Liu, D.K. Tripathi, and D.K. Chauhan, "Understanding the plant and nanoparticle interface at transcriptomic and proteomic level: A concentric overview", *Plant Gene*, 03/2017, Published by Elsevier.

31. A. K. Bhardwaj, A. Shukla, R. K. Mishra, S. C. Singh, V. Mishra, K. N. Uttam, M. P. Singh, S. Sharma and R. Gopal, "Power and Time Dependent Microwave Assisted Fabrication of Silver Nanoparticles Decorated Cotton (SNDC) Fibers for Bacterial Decontamination.", *Frontiers in Microbiology*, vol.8, pp.330, 03/2017, Published by Frontiers. (SCI, IF = 4.076).
32. Manmohit Kalia, Pradeep Kumar Singh, Vivek Kumar Yadav, Birendra Singh Yadav, Deepmala Sharma, Sahid Suhail Narvi, Ashutosh Mani, Vishnu Agarwal, "Structure based virtual screening for identification of potential quorum sensing inhibitors against LasR master regulator in *Pseudomonas aeruginosa*", *Microbial Pathogenesis*, vol.107, 03/2017, Published by Elsevier. (SCI, IF = 2.04).
33. Priti Singh, Sameer Srivastava, Parthasarathi Chakrabarti, Sunil Kumar Singh, "Nanosilica based electrochemical biosensor: A novel approach for the detection of platelet-derived microparticles", *Sensors and Actuators B: Chemical*, vol.240, pp.322-329, 03/2017, Published by Elsevier. (SCI, IF = 5.4).
34. Neha Singh and Anjana Pandey, "Whole cell SELEX technology and its applications", *Aptamers and Synthetic Antibodies*, vol.2, Issue 1, pp.18-28, 2016, Published by Franklin and Smith.
35. Pranjali Yadav and Anjana Pandey, "Current trends used in diagnosis of food borne; pathogens", *World Journal of Pharmaceutical Research*, vol.5, Issue 6, pp.401-417, 2016.
36. Shweta Singh, Anjana Pandey and C. K. Dwivedi, "Bioelectricity Production from Various Feedstocks Using Pure Strain of *Bacillus firmus* NMBL-03", *Int Journal of Renewable Energy Development*, vol.5, Issue 2, pp.119-127, 2016.

Publication in International Conferences

1. Sangeeta Negi, Ajay Kumar Pandey, Siddharth Vats, Devendra Prasad Maurya, Santosh Pratap Singh, "An efficient process development for bioethanol production from readily available lignocellulosic biomass waste", *Energy from Biomass and Waste*, Venice, Italy, pp.34, 11/2016,
2. S Singh, C Dwivedi and A Pandey, "Electricity generation in membrane-less single chambered microbial fuel cell", *ICCCCM 2016 - 2nd IEEE International Conference on Control Computing Communication and Materials*, 10/ 2016.

Publication in National Conference

1. Vishnu Agarwal, "Quorum Sensing: Infections and beyond", *Recent Advances in Biotechnology and Biofuels*, 09/2016.

Patents

1. Patent no. 201611019611, Entitled: Optical biosensor and a method of preparation and its application thereof for detection of Salmonell, Granted on 07/06/2016, filed by Anjana Pandey and Ashutosh Pandey.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Sangeeta Negi	Food Technology and Biotechnology Brazilian Archives of Biology and Technology Bioresource Technology Applied Biochemistry and Biotechnology Food Research International African Journal of Biotechnology
2.	Dr. Anjana Pandey	Beilstein Journal of Nanotechnology Current Microbiology Fuel World Journal of Microbiology and Biotechnology Bioresource Technology Cellular and Molecular Biology Biotechnology and Bioengineering International Journal of Hydrogen Energy Renewable Energy

3.	Dr. Nand Kumar Singh	Biomass and Bioenergy African Journal of Agricultural Research Jundisha Pur Journal of microbiology Chemosphere
4.	Dr. Radha Rani Mewaram	Journal of institution if engineers India series E Science of the total environment
5.	Dr. Ashutosh Mani	Interdisciplinary Sciences: Computational Life Sciences Cellular and Molecular Biology ; Hypothesis Journal of Molecular recognition Tumor Biology International Journal of Biological Macromolecules
6.	Dr. Sameer Srivastava	BMC CANCER Clinical and Translational Oncology
7.	Dr. Shivesh Sharma	International Journal of Plant & Soil Science Cellular and Molecular Biology Journal of Medicinal Plant Research Environmental Technology Journal of Medicinal Plant Research Soil and Sediment Contamination An International Journal Biomedicine & Pharmacotherapy SCIENCE DOMAIN International Environmental Technology & Innovation
8.	Dr. Manisha Sachan	Clinical Epigenetics

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Puja Sinha, Meenal Rastogi, Vishnu Agarwal	Recent Advances In Ovarian Cancer	Protein, Methylated DNA and Micro RNA: Potential Candidates Towards Sustainable Ovarian Cancer Diagn	
2.	R. K. Mishra, V. Mishra, H. Pandey, A. C. Pandey	Water Stress and Crop Plants: A Sustainable Approach	Mycorrhizal symbiosis: A phenomenal approach towards drought tolerance for sustainable agriculture	Wiley-Blackwell (Verlag) U.K.
3.	V. Kumar, M. Kumar, N. Shrivastava, S. Bisht	Plant, Soil and Microbes	Interaction Among Rhizospheric Microbes, Soil, and Plant Roots: Influence on Micronutrient Uptake a	Springer, Cham
4.	A. Kushwaha, Radha Rani, V. Agarwal	Advanced nanomaterials for wastewater remediation	Environmental fate and eco-toxicity of engineered nanoparticles: Current trends and future perspecti	CRC Press, Tailor and Francis
5.	Anamika Kushwaha, Radha Rani, Vishnu Agrawal	Advanced Nanomaterials for Wastewater Remediation	Environmental fate and Eco-toxicity of engineered nanoparticles: current trends and future perspectiv	
6.	Pranav Tripathi, Satish Malik, Seema Nara	Immunoassay Methods in Food Analysis	Food Safety: Innovative Analytical Tools for Safety Assessment	Scrivener Publishing Wiley
7.	N. Arif, V. Yadav, S. Singh & B. K. Kushwaha	Plant Responses to Xenobiotics	Assessment of Antioxidant Potential of Plants in Response to Heavy Metals	Springer, Singapore
8.	Anjana Pandey		An overview on advances in the nano carriers drug delivery systems In	Springer, Year 2017

9.	A. Kushwaha, S. Kumar, R. Rani	Environmental Science and Engineering, Vol 8: Biodegradation and Bioremediation	EMR/ESR/EPR Spectroscopy for C Mechanism of Soil-Metal-Microbe Interaction and Its Implication on Microbial Phytoremediation	Stadium Press, LLC, USA
10.	Anjana Pandey	EMR/ESR/EPR Spectroscopy for Characterization of Nanomaterials	An overview on advances in the nano carriers drug delivery systems	Springer
11.	Sangeeta Negi	Biofuels, Green Energy and Technology	Pretreatment Strategies of Lignocellulosic Biomass Towards Ethanol Yield: Case Study of Pine Needles	Springer Nature Singapore

Invited Lectures Delivered

1. A lecture is delivered by Dr. Vishnu Agarwal at ACS Lecture 2016', American Chemical Society Lecture on 05/05/2016 entitled.
2. A lecture is delivered by Dr. Ashutosh Mani at Self sponsored short term course on Computer Aided Drug Designing, Department of Biotechnology, MNNIT Allahabad on 28/05/2016 entitled An Overview of Computer Aided Drug designing.
3. A lecture is delivered by Dr. Sameer Srivastava at Seminar, H. Gronemeyer, IGBMC, Strasbourgh, France on 13/09/2016 entitled Laterally Spreading tumors: A genetic and Epigenetic insight.
4. A lecture is delivered by Dr. Sameer Srivastava at Invited Talk, Dr. Maria Scatolini, Fondazione Edo Ed Elvo Tempia Valenta per la lotta contro i tumori on 15/09/2016 entitled Laterally Spreading tumors: A genetic and Epigenetic insight.
5. A lecture is delivered by Dr. Anjana Pandey at TEQIP-II sponsored short term course on Advances in Biosciences and Bioengineering, MNNIT Allahabad on 20/10/2016 entitled Acidithiobacillus ferrooxidans: A bioleaching bacteria for better iron (II) oxidation ability.
6. A lecture is delivered by Dr. Ashutosh Mani at Short term course on Advances in Bioscience and Bioengineering, Department of Biotechnology, MNNIT Allahabad on 21/10/2016 entitled Computational Molecular Biology Tools.
7. A lecture is delivered by Dr. Sameer Srivastava at Short term course on Advances in Biosciences and Bioengineering, 19-25 October, 2016, CMDR, MNNIT Allahabad on 21/10/2016 entitled "Single Nucleotide Polymorphism: Its Importance and Methods of Detection".
8. A lecture is delivered by Dr. Nand Kumar Singh at short term course, CMDR MNNIT on 16/11/2016 entitled Next Generation Genomics and Integrated approaches for agriculture and health.
9. A lecture is delivered by Dr. Nand Kumar Singh at New Invention, Danik Jagran on 11/12/2016 entitled Farmer can grow only in 100 days of Basmati rice.
10. A lecture is delivered by Dr. Nand Kumar Singh at MNNIT, Short term course on 05/01/2017 entitled Farming of biomolecules: Present Status and Future Prospects.
11. A lecture is delivered by Dr. Sangeeta Negi at term course on "Recent Advances in Biomass Utilization & Fermentation Technology" (SFC-BUFT 2017)", Department of Biotechnology and Department of Chemical Engineering, MNNIT, Allahabad on 15/01/2017 entitled Fermentation Technology.
12. A lecture is delivered by Dr. Ashutosh Mani at Self sponsored short term course on Modelling and Optimization of chemical & Biochemical Processes, Department of Chemical Engineering, MNNIT Allahabad on 20/01/2017 entitled Protein structure prediction tools.
13. A lecture is delivered by Dr. Sangeeta Negi at short term course on Modelling and Optimization of Chemical and Biochemical Process (MOCBP-2017), Department of Chemical Engineering, MNNIT, Allahabad on 21/01/2017 entitled Optimization of Pretreatment process in Biofuel Industry.

14. A lecture is delivered by Dr. Seema Nara at Nanobiotechnology, MNNIT on 25/01/2017 entitled Gold nanorods for diagnostics and therapeutics applications.
15. A lecture is delivered by Dr. Ashutosh Mani at Self sponsored short term course on Research Methodology, Data analysis and stress tolerance in plants, Department of Biotechnology, MNNIT Allahabad on 26/01/2017 entitled Methods in Plant Bioinformatics.
16. A lecture is delivered by Dr. Sangeeta Negi at National workshop on "Biotechnological Interventions for Societal Development, Department of Biotechnology, MNNIT Allahabad on 23/03/2017 entitled Enzyme Technology.
17. A lecture is delivered by Dr. Radha Rani Mewaram at Brain storming session on environmental pollution: Impact on women and child health,,Indian Institute of Toxicological Research, Lucknow on 23/03/2017 entitled Chemical contamination of soil in India: Challenges and mitigation strategies.
18. A lecture is delivered by Dr. Sangeeta Negi at Short term course on Alternative Sources of Energy for Sustainable Development, Mechanical Engineering Department, MNNIT Allahabad on 31/03/2017 entitled Bioprocess Engineering.
19. A lecture is delivered by Dr. Nand Kumar Singh at MNNIT, Self Finance short term Course on 12/2016 entitled Agricultural biomass: industrial resource and bioenergy.
20. A lecture is delivered by Dr. Nand Kumar Singh at National Conference, Organizing Secretary, ETAS-2017 on 02/2017 entitled Reduction of Neurotoxin compound from Lathyrus sativus for nutritional quality improvement and use of β -ODAP as anticancer agent.

Events Attended

1. Dr. Sangeeta Negi attended International conference on International symposium on Energy from Biomass and waste at Italy, Venice during 14/11/2016 to 17/11/2016

Events Organized by Department

Sl. No.	Type	Title	From	To
1.	Short Term Course	Nanostructures in Diagnostics, MNNIT Allahabad	16/05/2016	20/05/2016
2.	Workshop	Computer Aided Drug Designing, MNNIT Allahabad	27/05/2016	02/06/2016
3.	Short Term Course	TEQIP II sponsored short term course on Current Advances in Applied Biotechnology (CAAB-2016), MNNIT Allahabad	13/10/2016	19/10/2016
4.	Workshop	Advances in Bioscience and Bioengineering, CMDR, MNNIT Allahabad	19/10/2016	25/10/2016
5.	Workshop	SFC-BUFT 2017, MNNIT, Allahabad	09/01/2017	15/01/2017
6.	Short Term Course	Short Term Course on Research Methodologies, Data Analysis and Stress Tolerance in Plants (RDS 2017), MNNIT Allahabad	21/01/2017	27/01/2017
7.	Workshop	Biotechnological Interventions for Societal Development, MNNIT Allahabad	21/03/2017	23/03/2017

10.3 DEPARTMENT OF CIVIL ENGINEERING

Vision

To provide quality teaching with a strong concept of engineering and technology and an application-oriented U.G., P.G. and Doctoral education along with solid foundation in the rapidly expanding fields of Civil Engineering that enable them to produce high quality professionals. This includes trans-disciplinary teaching and research.

To provide students with a sound knowledge and understanding of current theories, concepts and laboratory practices in Civil Engineering.

Mission

To generate high quality engineering professionals by offering U.G., P.G. and Doctoral programmes in Civil Engineering.

To develop a premier Civil Engineering teaching and research department to cater the needs and challenges of the region and the country.

List of Laboratories

- (i) Structural Engineering Laboratory
- (ii) Geotechnical Engineering Laboratory
- (iii) Environmental Engineering Laboratory
- (iv) Transportation Engineering Laboratory
- (v) Survey Laboratory
- (vi) CAD Laboratory
- (vii) Geology Laboratory

Courses Run by Department

- (i) B.Tech. Civil Engineering
- (ii) M.Tech.Civil Engineering(Structural Engineering)
- (iii) M.Tech.Civil Engineering (Geotechnical Engineering)
- (iv) M.Tech.Civil Engineering (Environmental Engineering)
- (v) M.Tech. Civil Engineering (Transportation Engineering)
- (vi) Ph.D.

List of M. Tech. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis title	Supervisor(s)
1.	Arjun Prasad	2014ST03	Analysis of monumental Building	Mr. Anupam Rawat
2.	Pramod Kumar Tiwari	2014EN05	Fuzzy Decision Support Methodology for Selection of Sustainable Municipal Wastewater Treatment Unit	Dr. Debolina Basu
3.	Ms. Shobha Rawat	2014EN07	Studies on Competitive Adsorption of Iron and Manganese from ground water using crushed Egg-shell	Dr. Ram Pal Singh
4.	Saleem Sjjad Naqvi	2014 GE07	Study of Shear Strength and Volume Change Behavior of soil , quarry dust and fly ash mixtures	Dr. Vishwajeet Pratap Singh
5.	Amit Yadav	2014GE02	Stability Analysis of Landfill Slopes by FEM	Dr. Kumar Venkatesh
6.	Mr. Surya Prakash	2014ST11	Effect of Acidic Environment on concrete using Metakaoline	Dr. Rakesh Kumar
7.	Ajay Chaubey	2014GE04	Stability Analysis of Dam	Dr. Vijay Kumar
8.	Divyanshu Vikram Singh	2014ST09	Piezoelectric based insitu damage detection technique updation for ferrocement structure	Mr. Anupam Rawat
9.	Ajit Jamatiya	2012EN14	Hydrogeological Evaluation of Fluoride Contamination of Groundwater in District Sonebhadra (U.P.)	Dr. Ram Pal Singh
10.	Rishi Raj Singh	2014ST13	Free Vibration Analysis of Lock Gate Structure	Dr. Priya Ranjan Pal
11.	Surya Prakash	2014ST11	Acid Effect on Fiber Reinforced Metakaolin Concrete	Dr. P. K. Mehta
12.	Kishor Kumar Gupta	2014GE12	Stability Analysis of Mountainous Slopes	Dr. Kumar Venkatesh
13.	Mr. Anurag Singh	2014ST05	Effect of Acidic Environment on concrete using Rice Husk Ash	Dr. Rakesh Kumar
14.	Harshit Srivastava	2014GE10	Effect of External Factors on Consolidation of Soil	Dr. Vijay Kumar
15.	Avinash Kumar Ranjan	2014TR14	Pervious Concrete Pavements using Recycled Concrete Aggregate	Dr. Priya Ranjan Pal
16.	Anurag Singh	2014ST05	Acid Effect on Fiber Reinforced Rice Husk Ash Concrete	Dr. P. K. Mehta
17.	Bhimsen	2014GE03	Soil-Structure Interaction of Multistory Building	Dr. Kumar Venkatesh
18.	Ajit Singh Tapadiya	2014GE09	Engineering behaviour of Bentonite-Lead oxide mixed soil	Dr. Vijay Kumar

19.	Anand Ranjan	2014TR05	Study of Mechanical Property of Bituminous Macadam with Use of Modified Binder	Dr. Varun Singh
20.	Shivam Dwivedi	2014EN10	Flood Frequency Analysis of Betwa River	Dr. Debolina Basu
21.	Siddiqui Mohd. Khalid Haidar Ali	2014TR03	Ridership Quality Assessment of Public Transportation Using Smart Phone	Dr. Varun Singh
22.	Chinmoy Mondal	2014EN03	Studies on Disinfection of Ganga Water Using Powdered Medicinal Plants	Dr. Ram Pal Singh
23.	Deepika Lakra	2014TR07	Development of CAD Software for Flexible Pavement Design as per IRC:37-2012	Dr. Varun Singh

Publication in International Journals

- Jitendra Awasthi, G. Ghosh and P. K. Mehta, "Performance- Based Seismic Design of a Building", International Journal of Advanced Technology in Engineering and Science, vol.4, Issue 4, pp.74-83, 04/2016, Published by A R Research Publication. (IF = 1.012)
- Bipin Prajapati, A. K. Sachan, R. P. Tiwari and Nitin Kumar Singh, "Comparative Study of Used Foundry Sand and Marble Dust on Geotechnical Properties of Silty Soil", International Research Journal of Engineering and Technology, vol.3, Issue 5, pp.1316-1325, 05/2016,
- Jitendra Awasthi, G. Ghosh and P. K. Mehta, "Pushover Analysis of a RC Bridge", International Journal of Innovative Research in Science and Engineering, vol.2, Issue 5, pp.480-488, 05/2016, Published by IJRSE. (IF = 2.03).
- R. M. Singh and P. Shukla, "Groundwater system simulation and management using Visual MODFLOW and Arc SWAT", Journal of Water Resource and Hydraulic Engineering, vol.5, Issue 1, pp.29-35, 06/2016, Published by .the world academic publishing co., limited.
- R. Dasgupta, K. Venkatesh and R. P. Tiwari, "Electrokinetic Removal of Copper Contaminated Soil by Nano Iron Particle", International Journal of Innovative Studies in Sciences & Engineering Technology, vol.2, Issue 6, pp.18-23, 06/2016, Published by ISSN 2455-4863. (IF = 0.229).
- Rishi Srivastava, Shalinee Shukla, R. P. Tiwari, Ayush Mittal, "Effect of Woven Polyester Geotextile on the Strength of Black Cotton Soil", International Journal of Innovative Research in Science, Engineering and Technology, vol.5, Issue 7, pp.12402-1240, 06/2016,
- Nekram Rawal, S. Rai and S. K. Duggal, "Effects of solid waste management in slum areas during mass gathering in Allahabad Religious City, India", Waste Management, vol.53, pp.1-3, 07/2016, Published by pergamon-elsevier science ltd. (SCI , IF = 4.030).
- M. Bandyopadhyay and V. Singh, "Development of agent based model for predicting emergency response time", Perspectives in Science, vol.8, pp.138-141, 09/2016, Published by Elsevier Science.
- Yadvendra P. Singh , A. K. Singh and R. P. Singh, "Web-GIS based Framework for Solid Waste Complaint Management for Sustainable and Smart City", International Journal of Advanced Remote Sensing and GIS, vol.4, Issue 1, pp.1419-1434, 10/2016, Published by Cloud Publications. (IF = 1.97).
- P. Pal, R. R. Singh and Deepak Kumar Singh, "Free Vibration Frequencies of Lock Gate Structure considering Fluid Structure Interaction", International Journal of Advance Civil Engineering and Technology, vol.1, Issue 2, pp.1-22, 11/2016, Published by MANTech Publication.
- Shashikant Srivastava, Mohd Arif Ansari, P. K. Mehta and Vikas Srivastava, "Flyash as partial replacement of portland pozzolana cement in concrete: an experimental investigation", International Journal of Civil Engineering & Technology, vol.7, Issue 6, pp.207-214, 11/2016, Published by IAEME. (Scopus , IF = 0.42)
- P. Pal, "Optimal choice of scaling parameter in moving least squares approximation used in meshless local Petrov-Galerkin approach", International Journal of Advance Civil Engineering and Technology, vol.1, Issue 3, pp.1-24, 12/2016, Published by MANTech Publication.
- Praveen Kumar Gupta, Rakesh Kumar, Y. K. Gupta and P. K. Mehta, "Effect of Acidic Environment on Self Compacting Concrete", "

- International Journal of Civil Engineering & Technology (IJCIET), vol.8, Issue 2, pp.595-606, 02/2017, Published by IAEME Publication. (Scopus, IF = 0.42).
14. Dharmendra Singh, Vijay Kumar and Anupam Rawat, "Review on Various Techniques to Improve Bearing Capacity of Soil", International Journal of Advance Civil Engineering and Technology, vol.2, Issue 1, pp.1-14, 02/2017,
 15. Rakesh Kumar, P. K. Mehta, P. R. Pal and T. P. Ashiq, "Relation among Mechanical Properties of Ground Granulated Blast Furnace Slag Concrete", International Journal of Civil Engineering & Technology (IJCIET), vol.8, Issue 3, pp.423-431, 03/2017, Published by International Association for Engineering and Management Education. (Scopus, IF = 0.42).
- Publication in National Journals**
1. Vikas Srivastava, Rakesh Kumar, V. C. Agarwal and P.K. Mehta, "Metakaolin Inclusion- Effect on Workability and Compressive Strength", The Indian Journal of Technical Education, vol.39, Issue 2, pp.50-55, 06/2016, Published by ISTE.
 2. Prashant Kumar, Rakesh Kumar, Y. K. Gupta and Anupam Rawat, "Comparison of NVC to Different Mixed Design Method of Self-Compacting Concrete", Journal of Structural Engineering and Management, vol.3, Issue 3, 10/2016.
 3. Divyanshu Vikram Singh , A. K. Sachan and Anupam Rawat, "Development of corrosion detection techniques for reinforced concrete structures", Indian Journal of Science and Technology, vol.9, Issue 30, pp.1-6, 08/2016, Published by Informatics Publishing limited.
 4. Prashant Kumar, A. K. Sachan and Anupam Rawat, "Utilisation of Temple Flower Waste in Varanasi for the generation of Economic Resource", Journal of Environmental Sciences and Engineering, vol.2, Issue 1, 11/2016,
 5. Prashant Kumar, A. K. Sachan, Anupam Rawat and Rama Shanker, "Study on the Shape Memory Alloy Used in Civil Engineering", Advances in Civil and Structural Engineering, vol.1, Issue 1, 12/016.
 6. Praveen Kumar Gupta, Rakesh Kumar, Y. K. Gupta and P. K. Mehta, "Effect of Acidic Environment on Self Compacting Concrete", International Journal of Civil Engineering & Technology, vol.8, Issue 2, pp.595-606, 02/2017, Published by IAEME. (Scopus, IF = .42).
 7. Amit Kumar Gorai and P. Pal, "Effectuality of Stiffeners in Plate using FEM", Journal of Civil and Architectural Engineering, vol.1, Issue 2, pp.1-15, 09/2016, Published by MANTech Publications.
 8. Prashant Patel, Vijay Kumar and Prashant Kumar, "Review on Liquefaction Potential by Deterministic Approach Based on Standard Penetration Test", Journal of Remote Sensing, GIS & Geotechnical Engineering, vol.1, Issue 3, pp.01-13, 10/2016.
 9. R. Sarkar, Tumpa Pal and P. Pal, "Studies on Piparwar Open Cast Mines of North Karanpura Coalfield", Journal of Geotechnical Studies, vol.1, Issue 3, pp.1-14, 11/2016, Published by MAT Journals.
 10. P. Pal, S. Shukla and A. K. Ranjan, "Performance of pervious concrete with recycled concrete aggregate", Indian Concrete Journal, vol.91, Issue 1, pp.86-92, 01/2017, (Scopus).
- Publication in International Conferences**
1. Jitendra Awasthi, G. Ghosh, and P. K. Mehta, "Pushover Analysis of an RC Bridge", International Conference on Innovative Trends in Science, Engineering and Management, International Conference Centre YMCA, New Delhi, pp.322-331, 05/2016.
 2. S. Tiwari, K. K. Mishra, N. Singh and N. R. Rawal, "A New Particle Acceleration- Based Particle Swarm Optimization Algorithm", 7th International Conference on Advances in Swarm Intelligence, ICSI 2016, Bali, Indonesia, pp.--, 06/2016, Published by Springer International Publishing Switzerland 2016.
 3. K. Venkatesh and Siva Ram Karumanchi, "Distribution of pore water pressure in an earthen dam considering unsaturated-saturated seepage analysis", E-UNSAT 2016, Paris, France, 09/2016, Published by E-UNSAT 2016.
 4. Harshit Srivastava, Anupam Rawat, Vijay Kumar and Dharmendra Singh, "Review on Consolidation Mechanics of Soil", International Conference on Emerging Trends in Civil Engineering (ICETCE-2016), KNIT Sultanpur, Sultanpur, UP (India), pp.153-156, 10/2016,

5. I. A. Khan, K. Venkatesh and R. K. Srivastava, "Elasto-Plastic Analysis Of Stresses In The Pillar Zone Of Twin Interacting Horse Shoe Tunnels", VII Brazilian Symposium on Rock Mechanics – SBMR 2016, Belo Horizonte, Minas Gerais, Brazil, 10/2016.
6. I. A. Khan, K. Venkatesh and R. K. Srivastava, "Elasto-plastic finite element analysis of deformations in twin interacting deep tunnels – A comparative study", 9th Asian Rock Mechanics Symposium, Bali, Indonesia, 10/2016, Published by ARMS9.
7. I. A. Khan, K. Venkatesh and R. K. Srivastava, "Elasto-plastic finite element analysis of stresses in the pillar zone of deep interacting tunnels – A comparative study", Geovancouver 2016, Vancouver BC, 10/2016, Published by Geovancouver 2016.
8. Atul, P. K. Mehta, Satyendranath and Vikas Srivastava, "Use of Fly Ash as Supplementary Fine Aggregate in PPC Concrete", International Conference on Emerging Trends in Civil Engineering, Dept. of Civil Engineering, KNIT, Sultanpur (UP), pp.39-41, 10/2016.
9. Prashant Kumar, A. K. Sachan, Rama Shanker and Anupam Rawat, "experimental investigation of continuous annealing on ni-ti thin wire", International Conference on emerging trend in Civil Engineering, Kamla Nehru Institute of Technology, Sultanpur, U.P, 10/2016.
10. K. S. Keshav, Kumar Pallav, S. K. Duggal and Lav Joshi, "Slip Distribution of 15th January 1934 Bihar-Nepal Earthquake (Mw 8.1)", International Conference on Advances in Civil and Structural Engineering, Kuala Lumpur, pp.1-6, 11/2016, Published by Proc. of 6th International Conference on Advances in Civil and Structural Engineering - CSE 2016.
11. Prabhat Kumar Patel, Shailendra Chaudhary and N. R. Rawal, "An approach for selection of landfill site by using fuzzy AHP", 3rd International seminar on source of planet energy, environmental & disaster science challenges and strategies, School of Management Sciences, Lucknow, India, 11/2016.
12. Prashant Kumar, A. K. Sachan, Rama Shanker and Anupam Rawat, "parametric study of shape memory alloy in concrete", structural engineering convention 2016, csir- structural engineering research centre csir campus, taramani, chennai, india, 12/2016.
13. Ambareesh Kumar, Kumar Pallav, and Deepak Kumar Singh, "Static and Dynamic Analysis of Stone Arch of Allahabad University", International Conference on Recent Innovations in Engineering and Technology, Jaipur, pp.38-42, 02/2017. Published by digitalxplore.org, ISBN: 978-93-86291-63-9.
14. Rahul Singh, R. M. Singh and N. R. Rawal, "Contaminant flow and transport in alluvial aquifer system", International Conference on modeling of environmental and water resources systems, Department of Civil Engineering, Harcourt Butler Technical University, Kanpur, India, 03/2017.
15. Vinai Singh, R. M. Singh and N. R. Rawal, "Optimal municipal solid waste management under changing waste amount and management facilities capacity for Indian urban area", International Conference on modeling of environmental and water resources systems, Department of Civil Engineering, Harcourt Butler Technical University, Kanpur, India, pp., 03/2017.
16. Prabhat Kumar Patel, Shailendra Chaudhary and N. R. Rawal, "Water quality analysis of ganga river at Allahabad using principal component analysis", International Conference on modeling of environmental and water resources systems, Department of Civil Engineering, Harcourt Butler Technical University, Kanpur, India, 03/2017.

Publication in National Conferences

1. I. A. Khan, K. Venkatesh and R. K. Srivastava, "Elasto-plastic finite element analysis of twin interacting deep horse shoe tunnels", IGC-2016, IIT Madras, Chennai, 12/2016, Published by IGC.
2. I. A. Khan, K. Venkatesh and R. K. Srivastava, "Elasto-plastic analysis of deformations in twin interacting horse shoe tunnels by different yield criteria", Sixth Indian Young Geotechnical Engineers Conference, NIT Trichy, 03/2017, Published by 6IYGEC2017.
3. I. A. Khan, K. Venkatesh and R. K. Srivastava, "Elasto-plastic analysis of stresses in the pillar zone of twin interacting horse shoe tunnels by different yield criteria", Conference on Numerical

- Modeling in Geomechanics, IIT Roorkee, 03/2017, Published by CoNMIg-2017.
4. Shivangi Saxena and Vijay Kumar, "Parametric study of sheet pile wall based on analytical method and finite element modelling using PLAXIS software", 6th Indian Young Geotechnical Engineers Conference 6IYGEC2017, NIT Trichy, India, pp.77-82, 03/2017.
 5. Prashant Patel and Vijay Kumar, "Soil liquefaction evaluation based on standard penetration test by the analytical and computational method", 6th Indian Young Geotechnical Engineers Conference 6IYGEC2017, NIT Trichy, India, pp.536-541, 03/2017.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Priya Ranjan Pal	Ocean Engineering, Elsevier Journal of Fluids and Structures, Elsevier Journal of Sound and Vibration, Elsevier
2.	Dr. Ram Pal Singh	ASCE Journal of Environmental Engineering Division, ASCE Journal of Hazardous, Toxic and Radioactive waste, ASCE Journal of Membrane and Separation Technology International Journal of Civil Engineering
3.	Dr. Kumar Pallav	International Journal of Civil Engineering

Invited Lectures Delivered

1. A lecture is delivered by Dr. P. K. Mehta at Self Financed Short Term Course, Department of Civil Engineering, MNNIT, Allahabad on 04/04/2016 entitled Cement for Concrete.
2. A lecture is delivered by Dr. Priya Ranjan Pal at one week Self Financed Short Term Course on Advances in Concrete Technology, CED, MNNIT, Allahabad on 04/04/2016 entitled Fine Aggregate for Concrete.
3. A lecture is delivered by Dr. P. K. Mehta at Self Financed Short Term Course, Department of Civil Engineering, MNNIT, Allahabad on 04/04/2016 entitled Durability of Concrete.
4. A lecture is delivered by Dr. Priya Ranjan Pal at one week Self Financed Short Term Course on Advances in Concrete Technology, CED, MNNIT, Allahabad on 07/04/2016 entitled Non Destructive Tests.
5. A lecture is delivered by Dr. Rakesh Kumar at Advances in Concrete Technology (ACT-2016), Department of Civil Engineering, MNNIT, Allahabad on 07/04/2016 entitled Construction Defects and possible remedies.
6. A lecture is delivered by Dr. Rakesh Kumar at Advances in Concrete Technology (ACT-2016), Department of Civil Engineering, MNNIT, Allahabad on 08/04/2016 entitled Durability of Concrete.
7. A lecture is delivered by Dr. Rakesh Kumar at Advances in Concrete Technology (ACT-2016), Department of Civil Engineering, MNNIT, Allahabad on 08/04/2016 entitled Self Compacting Concrete.
8. A lecture is delivered by Dr. Priya Ranjan Pal at a Four Week Self Financed Summer Training cum Internship Programme in Civil Engineering, CED, MNNIT, Allahabad on 04/07/2016 entitled Fine Aggregates Test.
9. A lecture is delivered by Dr. Rakesh Kumar at Advances in Concrete Technology (ACT-2016), Department of Civil Engineering, MNNIT, Allahabad on 04/08/2016 entitled Mineral and Chemical Admixtures used in Concrete.
10. A lecture is delivered by Dr. Varun Singh at National Conference on Fifteen Years of PMGSY, Department of Civil Engineering, IIT Roorkee on 06/08/2016 entitled GIS based framework for rural road accessibility planning.
11. A lecture is delivered by Dr. Nek Ram Rawal at Short Tem Course on Numerical Optimization Technique (NOT-2016), CED, MNNIT, Allahabad (U.P.) on 08/09/2016 entitled Lingo Based Optimization and Application in Solid Waste Management.

12. A lecture is delivered by Dr. Kumar Venkatesh at Short Term Course on Numerical and Optimization Techniques, Department of Civil Engg, MNNIT Allahabad on 09/09/2016 entitled Finite Element Method.
13. A lecture is delivered by Dr. Varun Singh at Short Term Course on Numerical and Optimization Technique (NOT- 2016), Department of Civil Engineering, MNNIT Allahabad on 09/09/2016 entitled Introduction to Numerical Methods.
14. A lecture is delivered by Dr. Kumar Pallav at Short Term Course on Modelling and Optimization of Chemical and Biochemical Process, Department of Chemical Engineering, MNNIT on 16/01/2017 entitled Solution of Model Equation Using Numerical Techniques.
15. A lecture is delivered by Dr. Vishwajeet Pratap Singh at Waste Management, IFFCo Phulpur Allahabad on 28/03/2017 entitled Human Health Risk Assessment of Contaminated Environment.
16. A lecture is delivered by Dr. Vishwajeet Pratap Singh at Waste Management, IFFCO Phulpur Allahabad on 29/03/2017 entitled Strategies for waste management practice at community level.
17. A lecture is delivered by Dr. Kumar Pallav at Short Term Course ETCE-2016, Madan Mohan Malviya University, Gorakhpur on 10/2016 entitled Importance of Seismic hazard and Seismic Microzonatio.

Events Organized by Department

Sl. No.	Type	Title	From	To
1	Short Term Course	Advances in Concrete Technology, CED, MNNIT Allahabad	04/04/2016	08/04/2016
2.	Summer Training Cum Internship Programme	Summer Training Cum Internship Programme in Civil Engineering, MNNIT Allahabad	13/06/2016	10/07/2016
3.	One Week Self Financed Short Term Course	Numerical Optimization and Technique (NOT-16), MNNIT Allahabad	08/09/2016	12/09/2016
4.	Short term course	Limit state design of steel structures, MNNIT Allid.	11/10/2016	16/10/2016

Events Attended

1. Dr. Varun Singh attended National conference on National Conference on Fifteen Years of PMGSY at Roorkee during 06/08/2016 to 07/08/2016.
2. Dr. Vishwajeet Pratap Singh attended International Conference on Geo Chicago 2016 at Chicago US during 14/08/2016 to 18/08/2016.
3. Dr. Vishwajeet Pratap Singh attended Workshop on Indo-US Bilateral Workshop at Chicago US during 18/08/2016 to 18/08/2016.
4. Dr. Kumar Venkatesh attended International Conference on E-UNSAT 2016 at Paris, France during 12/09/2016 to 14/09/2016.
5. Dr. Anil Kumar Sachan attended Faculty Development Program on STTP on Precast Constructions at MNIT Jaipur during 26/12/2016 to 30/12/2016.
6. Dr. P.K. Mehta attended International Conference on Advances in Mechanical, Industrial, Automation and Management Systems at Department of

Mechanical Engineering, MNNIT, Allahabad during 03/02/2017 to 05/02/2017.

10.4 DEPARTMENT OF CHEMICAL ENGINEERING

Vision

The Department is committed to achieve excellence in education and to evaluate the success of its programs using the highest standards of quality and vision by providing a friendly and supportive academic environment.

Mission

To educate under-graduate and post-graduate students by offering solid foundation in both theoretical and applied aspects of Chemical Engineering and to discover and disseminate knowledge through research.

List of Laboratories

- (i) Chemical Reaction Engineering Laboratory
- (ii) Chemical Technology Laboratory
- (iii) Computer Aided Design Laboratory
- (iv) Environmental Engineering Laboratory

- (v) Fluid Particle Mechanics & Mechanical Operation Laboratory
- (vi) Mass Transfer Laboratory
- (vii) Process Dynamics & Control Laboratory
- (viii) PG Analytical Lab

Courses Offered by the Department

- (i) B.Tech in Chemical Engineering
- (ii) M.Tech in Chemical Engineering
- (iii) Ph.D. in Chemical Engineering

List of M. Tech. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Shivam Singh	2014CH01	Aminoethylchitin as a nano drug carrier: Preparation, characterization and drug release	Dr. Suantak Kamsonlian
2.	Amar Deep	2015CL08	Nucleate Pool Boiling of Nanofluids: Modeling & Experimental Analysis	Dr. Mohd Siraj Alam
3.	Roshan Udrumji Nikhare	2014CH05	Synthesis of Carboxymethyl cellulose from waste lignocellulosic biomass	Dr. Ankur Gaur

Publication in Journals

1. Kajal Gautam, Kanhaiya Kumar Singh, Sushil Kumar, Suantak Kamsonlian, "Bio-Degradation and De-Colorization of Reactive Orange ME2RL Dye by Mixed Bacterial Culture Isolated From Municipal Wastewater", International Journal for Technological Research In Engineering, vol.3, Issue 8, pp.2347 – 4, 04/2016, Published by IJTRE. (Scopus, IF = 4.6).
2. A. K. Chandra, K. Kishor, P. K. Mishra and M. S. Alam, "Numerical Investigations of Two-phase Flows through Enhanced Microchannels", Chemical and Biochemical Engineering Quarterly, vol.30, Issue 2, pp.149-159, 07/2016, Published by Croatian Society of Chemical Engineers and Technologists. (SCI, IF = 0.923).
3. S. B. Mishra, S. Sachan, S. N. Upadhyay and P. K. Mishra, "Synthesis, characterization and performance evaluation of PVDF-SPES-ZrO₂ membrane", Desalination and Water Treatment, vol.57, Issue 37, pp.17333-1734, 08/2016, Published by Taylor & Francis. (SCI, IF = 1.631).
4. S. Disale, S. Kale, G. Abraham, S. Kahandal, A. N. Sawarkar and M. B. Gawande, "A sustainable and efficient synthesis of benzyl phosphonates using PEG/KI catalytic system", Green and Environmental Chemistry, A section of the journal Frontiers in Chemistry, vol.4, pp.1-6, 08/2016, Published by Frontiers. (Scopus, IF = 3.994).
5. D. Datta, M. E. Marti, H. Uslu and S. Kumar, "Extraction of Levulinic Acid Using Tri-n-butyl phosphate and Tri-n-octylamine in 1-Octanol:

Column Design", Journal of the Taiwan Institute of Chemical Engineers, vol.66, pp.407-413, 09/2016, Published by Elsevier. (SCI, IF = 3.37).

6. Singh, Harinder, Thakur, Sheetal, Mukhrjee, Jagriti, Nayak, Tarkeshwar, Kumar, Sushil and Kaur, Barjinder, "Influence of acid hydrolysis on physico-chemical, structural, and pasting properties of moth bean (*Vigna aconitifolia*) starch.", Starch/ Starke, 11/2016, Published by Wiley. (SCI, IF = 1.873).
7. D. Datta, M. E. Marti, D. Pal and S. Kumar, "Equilibrium Study on the Extraction of Levulinic Acid from Aqueous Solution with Aliquat 336 Dissolved in Different Diluents: Solvent's Polarity Effect and Column Design.", Journal of Chemical & Engineering Data, vol.62, Issue 1, pp.3-10, 11/2016, Published by American Chemical Society. (SCI, IF = 2.323).
8. Abhilasha Dixit, P. K. Mishra and M. S. Alam, "Titania Nanofibers: A Potential Adsorbent for Mercury and Lead Uptake", International Journal of Chemical Engineering and Applications, vol.8, Issue 1, pp.75, 02/2017.

Publication in International Conference

1. Abhilasha Dixit, P. K. Mishra and M. S. Alam, "Mass transfer and kinetic studies on mercury adsorption by titania nanofibers", 2nd International Conference on Chemical Materials and Process (ICCMP-2016), Copenhagen, Denmark, pp.Vol. 64, 05/2016, Published by Asia Pacific Chemical, Biological and Environmental Engg. Society.
2. Shabih-UI-Hasan, Mohd Rizwan, Ashish N. Sawarkar, Ankur Gaur and Suantak Kamsonlian,

- "Conceptual Design of Reactive Divided Wall Columns for Selectivity Engineering", AIChE Annual Meeting 2016, San Francisco, CA, USA, 11/2016.
3. Avneesh Kumar Gehlaut, Ankur Gaur, Shabih-UI-Hasan and Jin Won Park, "Enhancement and study of biogas production from Cow dung", The 9th Asia-Pacific Landfill Symposium on Integrated Waste Management and Sustainable Landfilling, APLAS2016, The University of Hong Kong, Hong Kong, 11/2016.
 4. Suantak Kamsonlian, Shashi Bala Gautam, M. Siraj Alam and Shabih-UI-Hasan, "Adsorption of As (III) from Contaminated Water Using Iron Impregnated Coconut Husk", AIChE Annual Meeting 2016, San Francisco, CA, USA, 11/2016.
 5. Ashish N Sawarkar and Shabih-UI-Hasan, "Insight into the Mechanism of Coke Formation during Cracking of Heavy Residues in a Novel Laboratory Scale Assembly", AIChE Annual Meeting 2016, San Francisco, CA, USA, 11/2016
 6. P. V. Gokul and A. N. Sawarkar, "Utilization of rice husk through pyrolysis", CHEMCON-2016, Anna University, Chennai, 12/2016.
 7. Wasim Khan, M Siraj Alam and Sadhana Sachan, "Numerical Study on Taylor Bubble Formation in a T-junction Circular Microchannel using VOF Method", 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016), Department of applied Mechanics, MNNIT Allahabad, pp.239, 12/2016, Published by National Society of FMFP (India).
 8. Wasim Khan, M. S. Alam and Sadhana Sachan, "2. Numerical Study on Taylor Bubble Formation in a T- Junction Circular Microchannel using VOF Method", 6th International and 43rd National conference on FMFP – 2016, Department of Applied Mechanics MNNIT Allahabad, pp.239, 12/2016, Published by National Society of FMFP.
 9. Sushil Kumar and Neha Chomal, Shitanshu Pandey, and Suantak Kamsonlian, "Investigation of green solvents (ionic liquids) for extraction of carboxylic acids from aqueous solution", International conference ILSEPT- 2017, Kuala Lumpur, Malaysia, 01/2017.
 10. Wasim Khan, Abhishek K. Chandra, Kaushal Kishore, Sadhana Sachan and M. Siraj Alam, "Hydrodynamics and Simulation Studies of Liquid-liquid Slug Flow in Micro Capillaries", IEEE International Conference on International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017), Department of Mechanical Engineering MNNIT Allahabad, pp.35, 02/2017, Published by IEEE.
 11. P.V. Gokul, P. Singh, S. Hasan and A. N. Sawarkar, "Bio-oil and bio-char potential of arecanut husk", International Conference on Emerging Materials & Applications (ICEMA-2017), Allahabad University, Allahabad, Uttar Pradesh, pp.52, 02/2017.
 12. Wasim Khan, Abhishek K Chandra, Kaushal Kishor, Sadhana Sachan and M Siraj Alam, "Hydrodynamics and simulation studies of liquid-liquid slug flow in micro-capillaries", IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017), Department of Mechanical Engineering, MNNIT Allahabad, pp.35, 02/2017, Published by IEEE.
 13. P. V. Gokul, P. Singh, S. Hasan and A. N. Sawarkar, "Prospective pyrolysis product distribution of two rice husk varieties", 43rd International Scientific Conference on Material Cycles and Waste Management, Habitat Centre, New Delhi, 03/2017.
 14. S. Kumar, S. Singh, T. Jain and P. K. Dutta, "Aminoethylchitin as Nano Drug Carrier: Preparation, Characterization and Drug Release", International Conference on Nanomaterials and Nanotechnology (ICNANO-2017), VBRI Allahabad (UP) India, 03/2017.
 15. Umesh Chandra Sharma and Sadhana Sachan, "Experimental Investigation on Thermal Stability of karanaja Biolubricant base oil", Advances in Petroleum, Chemical and Energy Challenges (APCEC17), Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi, 03/2017.
- Publication in National Conferences**
1. Avneesh Gehlaut, Deepshikha Singh, Ankur Gaur and Shabih-UI-Hasan, "Enhancement of biogas production from cow dung using Tectona Grandis (Sagwan leaves) and Pistia Stratiotes (Jalkumbhi)", 69th Annual Session of Indian

Institute of Chemical Engineers, Chennai Regional Centre of IChE, Chennai, Tamilnadu, 12/2016.

Regional Centre of IChE, Chennai, Tamilnadu, 12/2016.

- Mohd Rizwan and Shabih-Ul-Hasan, "Modelling and Simulation of Process in a Reactive Dividing Wall Column for Transesterification of Dimethyl Carbonate with Ethanol", 69th Annual Session of Indian Institute of Chemical Engineers, Chennai

Patent

- Patent No.201611043489, entitled: Gas-Liquid Absorption in Microchannel, Applied on 12/12/2016. Inventors: K. Kishor, A. K. Chandra, W. Khan, S. Sachan and M. Siraj Alam.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Sushil Kumar	Industrial and Engineering Chemistry Research Resource Efficient Technologies Journal (Elsevier) Journal of Chemical and Engineering Data Energy and Fuel Chemical Engineering Communications (Tailors and Francis) Separation and Purification Technology Journal of Chemical Technology and Biotechnology
2.	Dr. [Mrs.] Sadhana Sachan	Journal of Polymers and the Environment Journal of Institution of Engineers (India): Series E Chemical and Biochemical Engineering Quarterly Journal of Applied Polymer Science
3.	Dr. Mohd Siraj Alam	Journal of The Institution of Engineers (India): Series E
4.	Dr. Harinder Singh	Food Hydrocolloids Food Chemistry Starch
5.	Dr. Ankur Gaur	Emerging Trends in Chemical Engineering Environmental Technology Clean Technologies & Environment Policies

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	P. N. Sheth, S. Gupta, S. Kumar	Sustainable utilization of natural resources	Energy Integration in Process plants	P. Mondal, A. K. Dalai (eds.), CRC Press

Invited Lectures Delivered

- A lecture is delivered by Dr. Ankur Gaur at Workshop of Water Chemistry-Basic Aspects, Chemistry Department-MNNIT on 24/09/2016 entitled Water Chemistry.
- A lecture is delivered by Dr. Mohd Siraj Alam at short term course on "Recent Advances in Biomass Utilization & Fermentation Technology" (SFC-BUFT 2017), Biotechnology and Chemical Engineering Department, MNNIT Allahabad on 11/01/2017 entitled reactor design: for single reaction.
- A lecture is delivered by Dr. Ashish Nivrittinath Sawarkar at Short Term Course "Biomass Utilization and Fermentation Technology", Convener and Coordinator, SFC-BUFT2017 on 11/01/2017 entitled Pyrolysis of Biomass.
- A lecture is delivered by Dr. Shabih-Ul-Hasan at Self Financed Short Term Course on Modelling and Optimization of Chemical and Biochemical Processes (MOCBP-2017), Department of Chemical Engineering, MNNIT Allahabad on 18/01/2017 entitled Hands on experience on Process Simulators/Optimizers – Part-I.

5. A lecture is delivered by Dr. Sadhana Sachan at Short Term course, MOCBP-2017 on 18.01.2017 entitled Modeling of membrane separation processes.
6. A lecture is delivered by Dr. Shabih-UI-Hasan at Self Financed Short Term Course on Modelling and Optimization of Chemical and Biochemical Processes (MOCBP-2017), Department of Chemical Engineering, MNNIT Allahabad on 20/01/2017 entitled Hands on experience on Process Simulators/Optimizers – Part-II.
7. A lecture is delivered by Dr. Mohd Siraj Alam at A self financed short term course on Modeling and Optimization of Chemical & Biochemical Processes (MOCBP-2017), Department of Chemical Engineering, MNNIT Allahabad on 20/01/2017 entitled chemical reactor design.
8. A lecture is delivered by Dr. Suantak Kamsonlian at Two Day Workshop on "Advanced Mathematical & Computational Methods in Engineering, Bundelkhand Institute of Engineering & Technology, Jhansi on 20/03/2017 entitled Arsenic Removal from Contaminated Water.
9. A lecture is delivered by Dr. Ankur Gaur at Alternative Sources of Energy for sustainable Development, Dept. of Mechanical Engineering, MNNIT on 27/03/2017 entitled Energy Audit.
10. A lecture is delivered by Dr. Harinder Singh at SFC-BUFT 2017, Self Financed workshop on Recent Advances in Biomass Utilization and Fermentation Technology held at MNNIT Allahabad on 01/2017 entitled Biomass Utilization-A review.

Invited Lectures Organized

1. A lecture is delivered by Mr. Sanjay Vaish, DGM (Process), Indian Farmers Fertiliser Co-operative Ltd (IFFCO), Phulpur Unit on 01/10/2016 entitled Innovations in IFFCO Phulpur Unit.
2. A lecture is delivered by Prof. K.D.P. Nigam, Emeritus Prof. IIT Delhi on 29/03/2017 entitled Coiled Flow Inverter: A Novel Device.

Events Organized by Department

Sl. No.	Type	Title	From	To
1.	Workshop	Experimental Approach in Analytical Electrochemistry (EAAE-2017), Department of Chemical Engineering, MNNIT Alld.	28/01/2017	
2.	Workshop	Career opportunities for Fresh Graduate Chemical Engineers, MNNIT Allahabad	05/11/2016	05/11/2016
3.	Workshop	Recent Advances in Biomass Utilization and Fermentation Technology, MNNIT Allahabad	09/01/2017	16/01/2017
4.	Self Finance Short Term Course	Modelling and Optimization of Chemical and Biochemical Processes (MOCBP - 2017), Department of Chemical Engineering, MNNIT Allahabad	16/01/2017	21/01/2017
5.	Workshop	Experimental Approach in Analytical Electrochemistry (EAAE-2017), MNNIT Allahabad	28/01/2017	28/01/2017
6.	Workshop	Two Day Workshop on Energy Efficiency Management, MNNIT-Allahabad	24/03/2017	25/03/2017

Events Attended

1. Dr. Ashish Nivrittinath Sawarkar attended Faculty Development Program on Summer School on "Petroleum Refining and Petrochemicals" at Indian Oil Institute of Petroleum Management, Gurgaon during 06/06/2016 to 10/06/2016.
2. Dr. Harinder Singh attended International conference on Harnessing Engineering Technology for Sustainable Growth (HETIS) at DR SSB University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh during 30/09/2016 to 01/10/2016.
3. Dr. Shabih-UI-Hasan attended International conference on the 9th Asia-Pacific Landfill Symposium on Integrated Waste Management and Sustainable Landfilling, APLAS2016 at University of Hong Kong, Hong Kong during 09/11/2016 to 11/11/2016.
4. Dr. Harinder Singh attended International conference on 25th ICfoST entitled "Food

- Processing for Sustainable Agriculture & Industry at Guru Nanak Dev University Amritsar during 18/11/2016 to 20/11/2016.
5. Dr. Harinder Singh attended International conference on 6th International Conference and 43rd National Conference on Fluid Mechanics and Fluid Power at MNNIT Allahabad during 15/12/2016 to 17/12/2016.
 6. Dr. Ashish Nivrittinath Sawarkar attended 6th International Conference & 43rd National Conference on Fluid Mechanics and Fluid Power on FMFP-2016 at MNNIT Allahabad during 15/12/2016 to 17/12/2016.
 7. Dr. Mohd Siraj Alam attended International conference on 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2016) at Department of Applied Mechanics, MNNIT Allahabad during 15/12/ 2016 to 17/12/2016.
 8. Dr. [Mrs.].Sadhana Sachan attended International conference on 6th International and 43rd National conference on FMFP – 2016, MNNIT Allahabad at Department of Applied Mechanics, MNNIT Allahabad during 15/12/2016 to 17/12/2016.
 9. Dr. Sushil Kumar attended International conference on 2016 International Conference on Fluid Power and Fluid Mechanics by Department of Applied Mechanics, MNNIT Allahabad at Allahabad India during 15/12/2016 to 17/12/2016.
 10. Dr. Ashish Nivrittinath Sawarkar attended International conference on CHEMCON2016 at Anna University, Chennai during 27/12/2016 to 30/12/2016
 11. Dr. Ashish Nivrittinath Sawarkar attended Short Term Course on Recent Advances in Biomass Utilization & Fermentation Technology (SFC-BUFT, 2017) at MNNIT Allahabad during 09/01/2017 to 15/01/2017.
 12. Dr. Sadhana Sachan attended International conference on IEEE International Conference on Advance in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017) at Department of Mechanical Engineering MNNIT Allahabad during 03/02/2017 to 05/02/2017.
 13. Dr. Mohd Siraj Alam attended International conference on IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017) at Department of Mechanical Engineering, MNNIT Allahabad during 03/02/2017 to 05/02/2017.
 14. Dr. Ashish Nivrittinath Sawarkar attended International conference on ICMA2017 at Allahabad University, Allahabad during 20/02/2017 to 22/02/2017.
 15. Dr. Sushil Kumar attended International conference on 2017 International Conference on Nanomaterials and Nanotechnology (ICNANO-2017) at Allahabad India during 01/03/2017 to 03/03/2017.
 16. Dr. Mohd Siraj Alam attended TEQUIP-II sponsored one week Short Term course on Laser and Its Applications-LAP 2017 at Centre for Interdisciplinary Research, MNNIT Allahabad during 27/03/2017 to 31/03/2017.

Other Relevant Information

1. Dr. Sushil Kumar Nominated for Bharat Vikas Award, by Institute of Self Reliance association with Bharat Vikas Parisad, Bhuvanagar.

10.5 DEPARTMENT OF CHEMISTRY

Vision

To develop state-of the-art infrastructure for providing high quality education and training in chemical sciences in tune with the contemporary global scenario.

Mission

To train and help engineering undergraduate students to acquire experimental and theoretical knowledge in applied chemistry. Also to train Ph.D. students in chemical sciences to become independent researchers having good fundamental understanding of the subject to cater the academic and industry needs.

List of Laboratories

- (i) Undergraduate Laboratory
- (ii) Research Laboratory

Publication in International Journals

1. Yadendra Singh, Shiva Arun, Brijesh Kumar Singh, Pradip Kumar Dutta and Tamal Ghosh., "Colorimetric and ON-OFF-ON fluorescent chemosensor for the sequential detection of Cu(II) and Cysteine and its application in imaging of

- living cells.", RSC Advances, vol.6, Issue 83, pp.80268-8027, 08/2016, Published by Royal Society of Chemistry. (SCI, IF = 3.108)
2. Madhu Kashtap, J.Dutta, P.K.Dutta, "Preparation and characterization of chitosan based hydrogel formulation by using acetic acid and glycerol for wound healing application", Asian Chitin Journal, vol.12, Issue 2, pp.15-21, 12/2016, Published by SSM International Publication.
 3. Kirti Snigdha, Brijesh K. Singh, Abijeet Singh Mehta, R. P. Tewari and P. K. Dutta, "Self-assembling N-(9-Fluorenylmethoxycarbonyl)-L-Phenylalanine hydrogel as novel drug carrier", International Journal of Biological Macromolecules, vol.93, pp.1639-1646, 12/2016, Published by Elsevier. (SCI, IF = 3.671)
 4. Arti Chouhan, Guillaume Pilet, Stéphane Daniele and Ashutosh Pandey, "Shape controllable preparations of submicronic cadmium tetrazole-based MOFs via solvothermal or microwave-assisted methods and their photocatalytic studies", Chinese Journal of Chemistry, vol.35, Issue 2, pp.209-216, 02/2017, Published by (Wiley – VCH). (SCI, IF = 1.35)
 5. Mohammad Danish, Ashutosh Pandey, Mohd Omaish Ansari and Asim Jilani, "Influence of ammonolysis, Cu-incorporation and film thickness on structure, optical and photocatalytic properties of Ta2O5 thin films fabricated via sol-gel: A comparative study", Journal of Materials Science: Materials in Electronics, vol.29, Issue 9, pp.6812-6822, 02/2017, Published by Springer. (SCI, IF= 1.486)
 6. S. Ambreen, Mohd. Danish, N. D. Pandey and Ashutosh Pandey, "Investigation of the photocatalytic efficiency of tantalum alkoxy carboxylate-derived Ta2O5 nanoparticles in rhodamine B removal", BeilsteinJournal of Nanotechnology, vol.8, pp.604-613, 03/2017, Published by Beilstein. (SCI, IF = 3.1)
 7. N. Sinha, B. K. Singh and P. K. Dutta, "Research on Antibacterial Screening and Drug Delivery using Chitosan-Stearic Acid Derivative", Journal of Polymer Materials, vol.34, Issue 1, pp.11-20, 03/2017, Published by Prints Publication. (SCI, IF = 0.377)
 8. M. Kashyap, J. Dutta and P. K. Dutta, "Preparation and Characterization of Chitosan based Hydrogel Formulation by using Acetic acid and Propylene glycol for Wound Healing Application", Journal of Polymer Materials, vol.34, Issue 1, pp.33-44, 03/2017, Published by Prints Publication. (SCI, IF = 0.377).
 9. P. Singh, R. Patel, K. Kumari and G. K. Mehrotra, "Au/ Ag NPS Decorated PANI for Electrochemical and Biomedical Applications", J. Bioequi. Available, vol.9, Issue 2, pp.377- 384, 03/2017, (SCI, IF = 1.71).
 10. S. Rai, G. K. Mehrotra and P. K.Dutta, "Lignin Incorporated Antimicrobial Chitosan Film for Food Packaging Application", Journal of Polymer Materials, vol.34, Issue 3, pp.171-183, 03/2017, Published by Prints Publication. (SCI, IF = 0.377).
 11. Yadendra Singh, Shiva Arun, Brijesh K. Singh, P. K. Dutta and Tamal Ghosh, "Colorimetric and ON–OFF–ON fluorescent chemosensor for the sequential detection of Cu(II) and cysteine and its application in imaging of living cells", RSC Advances, vol.6, pp.80268–80, 2016, Published by Royal Society of Chemistry. (SCI, IF = 3.108).
 12. Nidhi Nigam, Santosh Kumar, P. K. Dutta, S. Pei and T. Ghosh, "Chitosan containing azo-based Schiff bases: thermal, antibacterial and birefringence properties for bio-optical devices", RSC Advances, vol.6, pp.5575-5581, 2016, Published by Royal Society of Chemistry. (SCI, IF = 3.108).
 13. Tanvi Jain, Sushil Kumar and P. K. Dutta, "Dibutylchitin nanoparticles as novel drug carrier", International Journal of Biological Macromolecules, vol.82, pp.1011-1017, 2016, Published by Elsevier (SCI, IF = 3-671).
 14. Sushma, Hridyesh Kumar, Iqbal Ahmad and P. K. Dutta, "Evaluation in toxicity of Quartz mineral contaminated with asbestos fibres", Toxicology Research, vol.6, pp.152-161, 2016, Published by Royal Society of Chemistry. (Scopus, IF = 3.278).
 15. Santosh Kumar, Vishwa Deepak, Mridula Kumari, and P. K. Dutta, "Antibacterial activity of diisocyanate-modified chitosan for biomedical applications", International Journal of Biological Macromolecules, vol.84, pp.349-353, 2016, Published by Elsevier. (SCI, IF = 3.671).

Publication in National Journals

1. Sudheer Rai, P. K. Dutta and G. K. Mehrotra, "1. Agrowaste derived phenolic compounds as additives to chitosan film for food packaging applications: Antibacterial and antioxidant study", *J. Indian Chem.Soc.*, vol.93, pp.767- 774, 07/2016, (SCI).
2. Prabha Bhartiya, Anu Singh, Hridyesh Kumar, Tanvi Jain, Brijesh Kumar Singh and P. K. Dutta, "Carbon dots: Chemistry, properties & applications", *Journal of Indian Chemical Society*, vol.93, pp.759-766, 2016, Published by Indian Chemical Society (SCI).
3. Tanvi Jain and P. K. Dutta, "Chitin and chitosan as antitumour agents: A state-of-the-art mini review", *Journal of Indian Chemical Society*, vol.93, pp.751-757, 2016, Published by Indian Chemical Society. (SCI).

Publication in International Conferences

1. Brijesh K Singh, Yadendra Singh, Tamal Ghosh and P. K. Dutta, "chitosan-based azo-schiff base: synthesis, spectroscopic analysis and biological evaluation", 11th Asia Pasific chitin & chitosan symposium, Kochi, India, pp.180, 09/2016, Published by Indian Chitin & Chitosan Society.
2. Madhu Kashyap, D. Archana and P. K. Dutta, "effect of cinnamon oil encapsulation in chitosan/alginate nano beads for food packaging application", 11th Asia Pasific chitin & chitosan symposium, Kochi, India, pp.190, 09/2016, Published by Indian Chitin & Chitosan Society.
3. Prabha Bhartiya and P. K. Dutta, "preparation of chitosan-coated mno₂: with/without mn @chitosan as cell imaging and drug delivery agents", 11th Asia Pasific chitin & chitosan symposium, Kochi, India, pp.99, 09/2016, Published by Indian Chitin & Chitosan Society.
4. H. Kumar and P. K. Dutta, "IN-SITU green synthesis of highly biocompatible and fluorescent cdse qds in l-cysteine modified chitosan", 11th Asia Pasific chitin & chitosan symposium, Kochi, India, pp.191, 09/2016, Published by Indian Chitin & Chitosan Society.
5. Anu Singh and P. K. Dutta, "fabrication of chitin glucan complex from indian edible mushroom for biomedical applications", 11th Asia Pasific chitin &

chitosan symposium, Kochi, India, pp.110, 09/2016, Published by Indian Chitin & Chitosan Society.

6. Tanvi Jain, Sushil Kumar and P. K. Dutta, "curcumin loaded aminoethylchitin as a novel nano drug carrier for drug delivery", 11th Asia Pasific chitin & chitosan symposium, Kochi, India, pp.217, 09/2016, Published by Indian Chitin & Chitosan Society.
7. S. Rai, P. K. Dutta and G. K. Mehrotra, "antibacterial, antioxidant and anti-quorum sensing activities of chitosan film containing bioactive phenolic compounds", 11th Asia Pasific chitin & chitosan symposium, Kochi, India, pp.143, 09/2016, Published by Indian Chitin & Chitosan Society.
8. P. K. Dutta, "nano to quantum dots: a paradigm wrt chitosan", 11th Asia Pasific chitin & chitosan symposium, Kochi, India, pp.77, 09/2016, Published by Indian Chitin & Chitosan Society.

9. Amreen Naz, Shiva Arun, Shahid Suhail Narvi, Mohd. Siraj Alam, "Synthesis and Characterization of silica based Inorganic-Organic Hybrid as an Efficient Heterogeneous Catalyst", International conference on Recent Advances in Chemical Sciences, Department of Chemistry, Aligarh Muslim University, pp.28, 02/2017, Published by International conference on Recent Advances in Chemical Sciences.

Publication in National Conferences

1. Amreen Naz, Shiva Arun, Shahid Suhail Narvi, M Siraj Alam, "A Novel Silica Based Inorganic-Organic Hybrid: Study for Dye Degradation and Tetralin Oxidation", National Seminar on Science and Technology for National Development, Department of Chemistry, University of Allahabad, pp.16, 02/2017, Published by National Seminar on Science and Technology for National Development.

Patents

1. Patent no. 201611019611, Entitled: Optical biosensor and a method of preparation and its application thereof for detection of Salmonell, Granted on 07/06/2016., filed by Anjana Pandey and Ashutosh Pandey.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. G. K. Mehrotra	Journal of Nanoscience and Nanotechnology Journal of Molecular Structure, International Journal of Biological Macromolecules, Spectrochimica Acta Part A
2.	Dr. P.K. Dutta	International Journal of Biological Macromolecules RSC Advances African J. Biotechnology IET Nanotechnology Materials Research Exp. Biomacromolecules Journal of Materials Chemistry B Journal of Polymer Materials Cell.Physiol.Biochem Carbohydrate Polymers
3.	Dr. Ashutosh Pandey	Inorganica Chimica Acta Inorganic Chemistry Materials Letters
4.	Dr. Tamal Ghosh	Sensors and Actuators B: Chemical

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	P. K. Dutta and V. Kumar	Optically active polymers A Systematic Study on Syntheses and Properties		Springer-Singapore
2.	G. K. Mehrotra et al.	Green Technologies and Metal NPs (Au, Ag, and Cu): Environmental Sustainability	Synthesis, Stabilization, & Their Role in Green Chemistry and Drug Del	Springer
3.	P. K. Dutta	Chitin & Chitosan for Regenerative Medicine		Springer-Verlag Berlin Heidelberg

Invited Lectures Delivered

1. A lecture is delivered by Dr. P. K. Dutta at International Conference, Invited speaker, 11th APCCS on 29/09/2016 entitled Nano to quantum dots: A paradigm wrt chitosan.

Invited Lectures Organized

1. A lecture is delivered by Puspendu K. Das, Professor, IISc, Bangalore on 31/10/2016 entitled Nonlinear Optics with Noble Metal Nanoparticles.

Events Organized by Department

Sl. No.	Type	Title	From	To
1.	Workshop	Know your Polymers: An understanding from basic to applied, MNNIT Allahabad	09/07/2016	10/07/2016
2.	Workshop	Water Research: Some Basic Aspects, MNNIT Alld.	23/09/2016	25/09/2016
3.	International conference	11 th Asia Pacific Chitin & Chitosan Symposium, Kochi, India	28/09/2016	30/09/2016
4.	7 Days Short Term Training Program	Chitin & Chitosan Science: A Research Gateway, MNNIT Allahabad	14/12/2016	20/12/2016
5.	Self Financed Short term course	Self sponsored short term course on Research methodologies, data analysis and stress tolerance in	21/01/2017	27/01/2017

Events Attended

1. Dr. Ashutosh Pandey attended International conference on Higher Education forum at New Delhi during 13/09/2016 to 14/09/2016.
2. Dr. P. K. Dutta attended International conference on 11th Asia Pacific Chitin & Chitosan Symposium at Kochi, India during 28/09/2016 to 30/09/2016.
3. Dr. G. K. Mehrotra attended Workshop on Programme for Senior Administrative Professionals (ProSAP) at MNNIT Allahabad during 24/10/2016 to 28/10/2016.
4. Dr. Ashutosh Pandey attended Workshop on Teaching Learning Assessment: TP-2017 at MNNIT Allahabad during 24/03/2017 to 25/03/2017.
5. Dr. Ashutosh Pandey attended Workshop on Gender sensitivity at work place at MNNIT Allahabad during 27/03/2017 to 27/03/2017.

Other Relevant Information

1. Dr. P. K. Dutta received Guest Editor for Journal of Polymer Materials, Vol.34, Jan-March 2017 special issue on Chitin & Chitosan on 03/2017.

10.6 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Vision

The Computer Science & Engineering Department of Motilal Nehru National Institute of Technology Allahabad would continue to provide leading programs in the field of computing. The graduates produced would be globally recognized as innovative and well-prepared computing professionals. These graduates would be leaders and innovators in the industry, education, and other walks of social life. The faculty working in the department would influence the national and international agenda through quality in teaching and research. Department would strive for interdisciplinary pursuits that reinforces the impact of computation in other disciplines.

Mission

To offer high quality undergraduate and graduate programs, to train the students in different aspects of computing discipline and to offer other training programs to enhance, augment, and/or update technical skills of stake holders. To provide a learning environment that helps students to be successful in their professional lives and to prepare students to be lifelong learners by offering a solid theoretical foundation in computing along with applied computing experiences and educating them about their professional, and ethical responsibilities. To have high quality faculty and staff with an appropriate know how and degrees with a commitment to remain professionally advanced through ongoing research and professional development programs. To attract and retain a diverse and multicultural population of student, faculty and staff.

List of Laboratories

- (i) Computing Laboratory
- (ii) Database/ Data Mining Laboratory
- (iii) SOA/ Distributed Computing Laboratory
- (iv) Embedded System/ Real Time System Laboratory
- (v) Computer Architecture/ Microprocessor Laboratory
- (vi) Computer Network/ Wireless Network Laboratory
- (vii) Image Processing/ Computer Vision Laboratory
- (viii) Software Testing Laboratory
- (ix) Verification & Validation Laboratory

Courses Run by Department

- (i) B.Tech in Computer Science & Engineering, Information Technology
- (ii) Master of Computer Application
- (iii) M.Tech in Computer Science & Engineering, Software Engineering, Information Security
- (iv) Ph.D.

List of M. Tech Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Name of Supervisor(s)
1	Arpita Kumari	2014CS02	Color Image Segmentation using MST based Approach	Dr. Suneeta Agarwal
2	Pushpendra Kumar	2014IS07	A modified approach for periodic and effective routing in diverse mobile topology	Dr. R. S. Yadav
3	Rahul Kant	2014IS05	A New Framework of Classify Spam or Non-Spam Movie Reviews	Dr. Rupesh Kumar Dewang
4	Nivinder Kaur	2014SW02	Impact of Topology poisoning and route poisoning in SDN	Dr. Shashank Srivastava
5	Shahina Anwarul	2014IS03	Image enciphering using modified AES with secure key transmission	Dr. Suneeta Agarwal
6	Shailendra Pratap Singh	2014IS18	Minimization of state based machine using swarm intelligence based algorithm	Dr. Divya Kumar
7	Priyanka Verma	2014CS09	RTT based mitigation of Ping-Pong effect of Handoff in Wireless Heterogeneous Networks	Dr. Neeraj Tyagi
8	Om Prakash Singh	2014SW01	Sybil Attack prevention for Safety Messages in VANET	Dr. Dinesh Singh
9	Gopal Chandra Tudu	2014SW10	Application Based Network Slicing Using Flow Visor in Software Defined Networking	Dr. Mayank Pandey
10	Shashank Gupta	2014SW06	Space structure optimization using co-variance based ABC	Dr. Divya Kumar
11	Tripti Mishra	2014SW03	Performance Analysis of Delay Tolerant Network Routing Protocols for Post-Disaster Scenario	Dr. Neeraj Tyagi
12	Rashmi Pratap	2014CS15	Advanced energy optimization technique using co-operative mimo in wsm	Dr. R. S. Yadav
13	Anil Singh	2012PTSW06	A Collaborative Analysis on Detection of Spammer Groups.	Dr. Rupesh Kumar Dewang
14	Chanchal Talreja	2014CS17	Ontology Based Publish/Subscribe Using Software Defined Networking.	Dr. Mayank Pandey
15	Divya Srivastava	2014SW02	Interval Graph and its Applications	Dr. Suneeta Agarwal
16	Shrutie Kaushik	2014cs05	Counter Based reputation module to improve security in VANET	Dr. Dinesh Singh
17	Randeep Kumar Sahu	2014IS08	A novel approach to human being detection in a video	Dr. Dushyant Kumar Singh
18	Manoj Hembaram	2014CS10	An efficient approach for video streaming using CCNx	Dr. Shashank Srivastava
19	Vindhya Kumar	2014SW19	Towards a volunteer computing environment	Dr. Shashwati Banerjea
20	Deepika Durgvanshi	2014CS20	Byzantine fault tolerance for effective demand side management in hierarchical smart grid communication infrastructure	Dr. M. M. Gore
21	Kratika Shukla	2014IS06	Electricity bill settlement using retroactive data structure in smart grid	Dr. M. M. Gore
22	Vishwajeet Rana	2014SW12	Sentiment mining for stock prediction	Dr. M. M. Gore
23	Pawan Kukreja	2014IS01	Secure and Smart Military Cantonment Using Internet of Things (IoT)	Dr. Dharmender Singh Kushwaha
24	Shalini Rai	2014SW21	Securing Metadata in Cloud using Light weight Encryption	Dr. Dharmender Singh Kushwaha

25	Pushpendra Kumar	2014IS07	A Modified Approach for Periodic and Policies for Effective Routing in Deiverse Mobile Topology	Dr. R. S. Yadav
26	Rashmi Pratap	2014CS15	Advanced Energy Optimization Technique using Cooperative MIMO in WSN	Dr. R. S. Yadav
27	Vidyanand Mishra	2014IS17	Solving two dimensional packing problem using genetic algorithm and practical swarm optimization	Dr. Anoj Kumar
28	Virendra Kumar Chauhan	2014CS12	Software development effort estimation using swarm intelligence	Dr. Anoj Kumar
29	Avneeshwar Singh	2014CS06	Twitter Stream Analysis	Dr. A. K. Singh
30	Deepa Rani	2014IS19	Pattern Analysis in Big Data	Dr. A. K. Singh

Publication in International Journals

- Shivendra Shivani and Suneeta Agarwal, "Novel Basis Matrix Creation and Preprocessing Algorithms for Friendly Progressive Visual Secret Sharing with Space-Efficient Shares", *Multimedia Tools and Application*, vol.76, Issue 6, pp.8711-8744, 04/2016, Published by Springer. (SCI, IF = 1.530)
- Radhika Khetan, Suneeta Agarwal and Rajesh Prasad, "An efficient approach towards compressed parameterized word matching using wavelet tree", *Journal of Information and Optimization Sciences*, vol.37, Issue 2, pp.285-301, 04/2016, Published by Taylor & Francis.
- Nidhi Gupta, Anand Prakash Shukla and Suneeta Agarwal, "Despeckling of Medical Ultrasound Images: A Technical Review", *International Journal of Information Engineering and Electronic Business*, vol.3, pp.11-19, 05/2016, Published by mecs-press.
- Shivendra Shivani and S Agarwal, "VPVC: verifiable progressive visual cryptography", *Pattern Analysis and Applications*, pp.01-28, 08/2016, Published by Springer. (SCI, IF = 1.352).
- Shivendra Shivani and Suneeta Agarwal, "Progressive visual cryptography with unexpanded meaningful share", *ACM Transactions on Multimedia Computing, Communications, and Applications*, vol.12, Issue 4, pp.50.1- 50.4, 08/2016, Published by ACM. (SCI)
- Priyanka Singh and Suneeta Agarwal, "A region adaptive robust watermarking scheme based on homogeneity analysis", *The International Arab Journal of Information Technology*, vol.13, Issue 5, pp.517-522, 09/2016, Published by Zarqa Private University. (SCI, IF = 0.724)
- N. Dayal, P. Maity, Shashank Srivastava and R. Khondoker, "Research trends in security and DDoS in SDN", *Security and Communication Networks*, Wiley (SCI Expanded Indexed), vol.9, Issue 18, pp.6386-6411, 12/2016, (IF = 1.067)
- Dewang, Rupesh Kumar and A. K. Singh, "Spam Review Detection through Lexical Chain Based Semantic Similarity Algorithm (LCBSS) for Negative Reviews", *International Journal of Engineering and Technology*, pp.2946-2955, 12/2016, Published by Engg Journals Publications. (Scopus, IF = 0.489)
- Dushyant Kumar Singh and D. S. Kushwaha, "Automatic Intruder Combat System: A way to Smart Surveillance", *Defense Science Journal*, vol.67, issue 1, pp.50-58, 01/2017, Published by defence scientific information documentation centre, India. (SCI, IF = 0.500).
- Shivendra Shivani, Rajitha B. and Suneeta Agarwal, "XOR based continuous-tone multi secret sharing for store-and-forward telemedicine", *Multimedia Tools and Applications*, vol.76, Issue 3, pp.3851-3870, 02/2017, Published by Springer. (SCI, IF = 1.530).
- Hari Mohan Singh and Rama Shankar Yadav, "Partitioning-based approach to control the restored path length in p-cycle based survivable networks", *photonic network communications*, vol. 33, Issue 1, pp.1-10, 02/2017, Published by Springer. (SCI, IF = 1.210).
- Shilpy Agarwal, Neeraj Tyagi, A. K. Misra, R. S. Shukla and Ashutosh Gupta, "Position Based Seamless Connectivity for Vehicular Ad Hoc Networks", *NAS Indian Section A: Physical*, vol.87, Issue 1, pp.73-81, 03/2017, Published by Springer. (SCI, IF = 0.425).

13. Pushkar P. Goswami and Dushyant Kumar Singh, "A hybrid approach for real-time object detection and tracking to cover background turbulence problem", *Indian Journal of Science and Technology*, vol.9, Issue 45, 2016, Published by Informatics Publishing Limited, Bangalore (Scopus).
14. Dushyant Kumar Singh and D. S. Kushwaha, "Analysis of face feature based human detection techniques", *International Journal of Control Theory and Applications*, vol.9, Issue 22, pp.173-180, 2016, Published by Serials Publications Pvt. Ltd. (Scopus).
15. Dushyant Kumar Singh and D. S. Kushwaha, "ILUT based Skin Colour Modelling for Human Detection", *Indian Journal of Science and Technology*, vol.9, Issue 32, 2016, Published by Informatics Publishing Limited, Bangalore. (Scopus).
16. Pushkar P Goswami, Diwakar Paswan and Dushyant Kumar Singh, "Detecting moving objects in traffic surveillance video", *International Journal of Control Theory and Applications*, vol.9, Issue 17, pp.8423-8430, 2016, Published by Serials Publications Pvt. Ltd. (Scopus).
17. Tarun Kumar and Dharmender Singh Kushwaha, "Traffic Surveillance & Speed Limit Violation Detection System", *Journal of Intelligent & Fuzzy Systems*, vol. 32, Issue 5, pp. 3761-3773, 04/2017, Published by IOS Press. (SCIE, IF = 1.261).
18. Manu Vardhan and Dharmender Singh Kushwaha, "A dynamic file replication based on CPU load and consistency mechanism in a trusted distributed environment", *Tehnički vjesnik*, vol 24 issue 1, pp. 147-160, published by Tehnički vjesnik / Technical Gazette, 01/2017. (SCIE, IF=0.723).
19. P Bhatia, K K Mishra, D Kumar and A Kumar, An Improved-Time Varying Acceleration Coefficient Based PSO. *Journal of Multiple-Valued Logic & Soft Computing*. 2016 May 1;26.
20. A Biswas, B Biswas, A Kumar, K K Mishra, Particle swarm optimisation with time varying cognitive avoidance component. *International Journal of Computational Science and Engineering*. 2018; 16(1):27-41.
21. S P Singh and A Kumar, Multiobjective differential evolution using homeostasis based mutation for application in software cost estimation. *Applied Intelligence*. 2018 Mar 1;48(3):628-50.
22. S P Singh and A Kumar, Pareto based differential evolution with homeostasis based mutation. *Journal of Intelligent & Fuzzy Systems*. 2017 Jan 1;32(5):3245-57.
23. S P Singh and A Kumar, Homeostasis mutation based differential evolution algorithm. *Journal of Intelligent & Fuzzy Systems*. 2017 Jan 1;32(5): 3525-37.
24. R K Dewang and A K Singh, "State-of- Art Approaches for Review Spammer Detection: A Survey", *Journal of Intelligent Information Systems*, vol. 49 ISSN: 0925-9902(Print) 1573-7675 (online), 2017.

Publication in International Conference

1. Anil Kumar Yadav and Rama Shankar Yadav, "K-Domination in Simple Graphs", *International Conference on Recent Advances in Mathematical Biological Analysis and Application*, Aligarh, India, 06/2016.
2. Anurag Sewak, Mayank Pandey and Manoj Madhava Gore, "Performance Evaluation of Peer-to-Peer Structured Overlays over Mobile Ad Hoc Networks Having Low Dynamism", 2nd International Conference on Mobile, Secure and Programmable Networking (MSPN 2016), Paris, France, 06/2016, Published by Springer.
3. Arnima Chaurasia, Shailendra Pratap Singh and Divya Kumar, "Emotion Recognition on the Basis of Eye and Mouth", 2nd International Research Symposium on Computing and Network Sustainability, India, pp.137-143, 07/2016, Published by Springer.
4. P. Paliwal and Divya Kumar, "Green IT and Environmental Sustainability Issues", 2nd International Conference on ICT for Sustainable Development, India, 07/2016, Published by Springer.
5. Divya Kumar and K. K. Mishra, "Artificial Bee Colony as a Frontier in Evolutionary Optimization: A Survey", 2016 International Conference on Computer, Communication and Computational Sciences, India, pp.541-548, 08/2016, Published by Springer.

6. Vimal Kumar and Neeraj Tyagi, "Optimal Ranking-based Discovery and Selection of WMAT Using Information Service of IEEE 802.21 in Mobile Wireless Heterogeneous Networks", Proceedings of the International Conference on Advances in Information Communication Technology & Computing(AICTC '16), Bikaner, India, pp.1--7, 08/2016, Published by ACM.
7. Divya Srivastava and Suneeta Agarwal, "Interval Graph and its Applications", International Conference on Communication and Computing Systems (ICCCS-2016), Dronacharya College of Engineering, Gurgaon, 09/2016, Published by CRC Press.
8. Shahina Anwarul and Suneeta Agarwal, "Image enciphering using modified AES with secure key transmission", International Conference on Communication and Computing Systems (ICCCS-2016), Dronacharya College of Engineering, Gurgaon, 09/2016, Published by CRC Press.
9. Arpita Kumari and Suneeta Agarwal, "Color Image Segmentation using MST based Approach", International Conference on Communication and Computing Systems (ICCCS-2016), Dronacharya College of Engineering, Gurgaon, 09/2016, Published by CRC Press.
10. Krishna Vijay Kumar Singh and Mayank Pandey, "Software-Defined Mobility in IP based Wi-Fi Networks: Design Proposal and Future Directions", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India, 11/2016, Published by IEEE.
11. Anurag Sewak, Mayank Pandey and Manoj Madhava Gore, "Forming Structured P2P Overlays over Disjoint MANET Clusters", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India, 11/2016, Published by IEEE.
12. Shashwati Banerjee, Mayank Pandey, Ashish Kumar, Rishabh Dugar and M. M. Gore, "Implementation of MapReduce over structured Peer-to-Peer overlay of underutilized resources", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India, 11/2016, Published by IEEE.
13. Misha Hungyo and Mayank Pandey, "SDN based Implementation of Publish/ Subscribe Paradigm using OpenFlow Multicast", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India, 11/2016, Published by IEEE.
14. Anshuman Agarwal, Shivam Gupta and Dushyant Kumar Singh, "Review of Optical Flow Technique for Moving Object Detection", iC3I 2016, Amity University, Noida (INDIA), 12/2016, Published by IEEE.
15. Manish Gupta, Shambhu Shankar Bharti and Suneeta Agarwal, "Support Vector Machine Based Gender Identification Using Voiced Speech Frames", 4th International Conference on Parallel, Distributed and Grid Computing (PDGC 2016), Jaypee University of Information Technology, Solan (H.P.), 12/2016, Published by IEEE.
16. Shruti Jadon and Rama Shankar Yadav, "Multicore Processor: Internal structure, Architecture, Issues, Challenges, Scheduling strategies and Performance", 11th International Conference on Industrial & Information Systems, Roorkee, India, 12/2016.
17. S. S. Bharti, Manish Gupta and Suneeta Agarwal, "Background Noise Identification System Based On Random Forest for Speech", International Conference on Intelligent Computing and Applications (ICICA 2016), D. Y. Patil College of Engineering, Pune, 12/2016, Published by Springer.
18. Anil Kumar Yadav and Rama Shankar Yadav, "Approximation Algorithm for the Traveling Salesman Problem", International Symposium on Statistics and Optimization in conjunction with XXXVI-Annual Convention of Indian Society for Probability & Statistics (ISPS), Aligarh, India, 12/2016.
19. N. Dayal, S. Srivastava, "Analyzing behaviour of DDoS attacks to identify DDoS detection features in SDN", 9th International Conference on Communication Systems and Networks (COMS NETS-2017), Bangalore, pp.274–281, 01/2017, Published by IEEE.
20. Shabir Ali, Anurag Sewak, Mayank Pandey, Neeraj Tyagi, "Simulation of P2P Overlays over MANETS: Impediments and Proposed Solution", 9th International Conference on Communication

- Systems and Networks (COMSNETS-2016), Bangalore, India, 01/2017, Published by IEEE.
21. Shailendra P Singh and Divya Kumar, "Constrained Problem Optimization using Altered Artificial Bee Colony Algorithm", Algorithm 9th International Conference on Machine Learning and Computing, Singapore, 02/2017, Published by ACM Digital Library.
 22. Anandita, D. P. Yadav, P Paliwal, Divya Kumar and R. Tripathi, "A Novel Ensemble Based Identification of Phishing E-Mails", 9th International Conference on Machine Learning and Computing, Singapore, 02/2017, Published by ACM Digital Library.
 23. Shivendra Shivani, Priyanka Singh and Suneeta Agarwal, "A Dual Watermarking Scheme for Ownership Verification and Pixel Level Authentication", 9th International Conference on Computer and Automation Engineering (ICCAE-2017), Macquarie University, Sydney, Australia, 02/2017, Published by IEEE.
 24. Divya Srivastava, Surbhi Goel and Suneeta Agarwal, "Pipeline Technique for Image Retrieval using texture and color", 4th IEEE International Conference on Power, Control and Embedded Systems, MNNIT, Allahabad, India., 03/2017, Published by IEEE.
 25. Manish Gupta, Shambhu Shankar Bharti and Suneeta Agarwal, "Implicit Language Identification System based on Random Forest and Support Vector Machine for Speech", 4th IEEE International Conference on Power, Control and Embedded Systems, MNNIT, Allahabad, India, 03/2017, Published by IEEE.
 26. Sanjeev Kumar, Suneeta Agarwal and Ranvijay, "WBSC: A Fast and Efficient Biological Data Compression Algorithm", First International Conference on Smart Technologies in Computer and Communication (Smart Tech-2017), Amity University, Jaipur, India, 03/2017, Published by Lexis Academy.
 27. P. Paliwal and Divya Kumar, "ABC Based Neural Network Approach for Churn Prediction in Telecommunication Sector", International Conference on Information and Communication Technology for Intelligent Systems, India, pp.343-349, 03/2017, Published by Springer.
 28. Sonu Sharma, Radhika Agrawal, Snehil Srivastava and Dushyant Kumar Singh, "Review of Human Detection Techniques in Night Vision", WiSPNET-2017, SSN College of Engineering, Chennai (India), 03/2017, Published by IEEE.
 29. Deepika Durgvanshi, Brijendra Pratap Singh and M M Gore, "Byzantine Fault Tolerance for Real Time Price in Hierarchical Smart Grid Communication", 7th Power India International Conference, Govt. Engineering College Bikaner, Rajasthan, India, November 25-27, 2016.
 30. Brijendra Pratap Singh, M M Gore, "Green Energy Generation from Moving Vehicles", 2016 International Conference on Design and Manufacturing (IConDM), IIITDM Kancheepuram, Chennai, India, 16-17 December 2016.
 31. Vishwajeet Rana, Vijay Kumar Dwivedi and M M Gore, "An Efficient System for Stock Price Direction Prediction", 4th International Conference on Business Analytics and Intelligence, 2016 (ICBAI-2016), Bangalore, India 19-21 Dec, 2016.
 32. Tarun Kumar and Dharmender Singh Kushwaha, "An Efficient Approach for Detection and Speed Estimation of Moving Vehicles", 12th International Multi-Conference on Information Processing (IMCIP-2016), Bangalore, India, 08, 2016, pp. 726-731, Published by Elsevier. (Scopus Indexed).
 33. Rohit Kumar Sachan, Ayush Nigam, Avinash Singh, Sharad Singh, Manjeet Choudhary, Avinash Tiwari and Dharmender Singh Kushwaha, "Optimizing Basic COCOMO Model Using Simplified Genetic Algorithm", Twelfth International Multi-Conference on Information Processing (IMCIP-2016), Bangalore, India, 08/2016, pp. 492-498, Published by Elsevier. (Scopus Indexed).
 34. Tarun Kumar, Suraj Gupta and Dharmender Singh Kushwaha, "An Efficient Approach for Automatic Number Plate Recognition for Low Resolution Images", The 5th International Conference on Network, Communication and Computing (ICNCC 2016), Kyoto, Japan 12/2016, pp.53-57, Published by ACM. (Scopus Indexed).
 35. Lal, Kumari Nidhi, and Anoj Kumar, "A cache content replacement scheme for information centric network," Procedia Computer Science 89 (2016): 73-81, Bangalore, India.

36. S P Singh and A Kumar Differential Evolution Algorithm Using Population-Based Homeostasis Difference Vector. In *Advances in Computer and Computational Sciences 2017* (pp. 579-587). Springer, Singapore held at Ajmer, India.
37. S P Singh, A Kumar Software cost estimation using homeostasis mutation based differential evolution. In *Intelligent Systems and Control (ISCO), 2017 11th International Conference on 2017 Jan 5* (pp. 173-181) IEEE, Coimbatore, Tamilnadu, India.
38. S B Shaw, C Kumar and Dr. A K Singh, "Use of Time-series Based Forecasting Technique for Balancing Load and Reducing Consumption of Energy in a Cloud Data Centre", International Conference on Intelligent Computing and Control (I2C2), 2017, Coimbatore, India, ISBN: [ONLINE] 978-1-5386-0373-4.
39. Rupesh Kumar Dewang, Pushpendra Singh, and Anil Kumar Singh, "Finding of Review Spam through Corleone, Review Genre, Writing Style and Review Text Detail Features", "Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies. ACM, ICPS, 2016." ISBN:978-1-4503-3962-2, ACM DL.
40. Rohit Gupta and Anil Kumar Singh, "A Concept for Heterogeneous Recommender System Based on Blackboard Architecture", published in *Distributed Computing and Internet Technology*, Springer LNCS, ICDCIT 2015. ISBN:978-3-319-14976-9.

Publication in National Conferences

1. Shruti Jadon and Rama Shankar Yadav, "Multicore Processor: Need, Coherency and Applications", National Conference on Recent Advances in Information & Communication Technologies (RAICT-17), Kanpur, India, pp.92-96, 03/2017.

Reviewer in International Journal

Sl. No.	Name	Journal Name
1.	Dr. Dinesh Singh	International Journal of Computational Vision and Robotics
2.	Dr. Dushyant Kumar Singh	International Journal of Computational Vision and Robotics
3.	Dr. Rupesh Kumar Dewang	Internet of Things for Technology Development
4.	Dr. D. S. Kushwaha	International Journal of Sensor Networks (Inderscience)

Invited Lectures Delivered

1. A lecture is delivered by Dr. Dushyant Kumar Singh at ETCS-2016, CSED, MNNIT Allahabad on 06/07/2016 entitled Python Programming.
2. A lecture is delivered by Dr. Divya Kumar at Short Term Course on Numerical and Optimization Techniques (NOT-2016), MNNIT Allahabad, CED, MNNIT Allahabad on 12/09/2016 entitled Optimization Technique.
3. A lecture is delivered by Dr. Dushyant Kumar Singh at Workshop, CSI Allahabad Chapter on 05/11/2016 entitled Machine Vision.
4. A lecture is delivered by Dr. Dushyant Kumar Singh at Workshop on MATLAB Applications in Science, Technology & Management, School of Management Studies, MNNIT Allahabad on 06/12/2016 entitled Computer Vision with MATLAB.
5. A lecture is delivered by Dr. Mayank Pandey at National Workshop, SHIATS, Allahabad on 30/01/2017 entitled Emerging Trends in Communication and Information Technology.
6. A lecture is delivered by Dr. Mayank Pandey at Seminar, Dr. P. S. Chauhan, IPS College of Technology and Management, Gwalior on 23/03/2017 entitled Advances in Computer Network.
7. A lecture is delivered by Dr. R. S. Yadav at A self-financed summer training program on "Enhancing Skill for Enterprise Scale Application Development ((ES)2AD-2016)", CSED, MNNIT Allahabad on 20 June - 16 July 2016 entitled Thought Creates destiny: A Computer Science Approach.
8. A lecture is delivered by Dr. R. S. Yadav at A self-financed summer training program on "Emerging trends in Computer Science (ETCS-2016)", CSED, MNNIT Allahabad on 13 June - 09 July 2016 entitled Thought Creates destiny: A Computer Science Approach.

Invited Lectures Organized

1. A lecture entitled Video Segmentation, is delivered by Dr. Sanjoy Kumar Saha, Associate Professor, Jadavpur University, Kolkata, India on 02/02/2017.
2. A lecture entitled High Performance Computing The Way Ahead, is delivered by Dr. Hemant

Darbari, Executive Director, C-DAC Pune on 21/02/2017,

3. A lecture entitled How CRM (Customer Relationship Management) can help companies in IT, is delivered by Mr. Shashank Duggal, IT Manager, EATON, Pune on 25/03/2017.

Events Organized by Department

Sl. No.	Type	Title	From	To
1.	Workshop	Emerging Trends in Computer Science, MNNIT Allahabad	13/06/2016	09/07/2016
2.	Workshop	Workshop on Network Simulation -2016(WNS-2016), MNNIT Allahabad	28/09/2016	02/10/2016
3.	Workshop	One-Week workshop on Android Application Development, ECC Allahabad	07/01/2017	11/01/2017
4.	Workshop	ancing Skill for Enterprise Scale Application Development ((ES) ² AD-2016), MNNIT Allahabad	20/06/2016	16/07/2016

Events Attended

1. Dr. Suneeta Agarwal attended International conference on 9th International Conference on Computer and Automation Engineering (ICCAE-2017) at Macquarie University, Sydney, Australia on/during 18/02/2017 to 21/02/2017.
2. Dr. Anoj Kumar attended International conference on computer, communication and computational sciences (IC4S-2016) at Aryabhata college of Engineering & Research center, Ajmer, India during August 12-13, 2016.
3. Dr. Anoj Kumar attended Workshop on IoT and Data Mining at Jadavpur University, Kolkata during March 23-24, 2017.
4. Dr. Anoj Kumar attended Faculty development program on Data analysis using SPSS and structural equation modelling using AMOS 24.0 at DIT University, Dehradun during September 28-October 2, 2016.

2. Dr. Divya Kumar received Best Presentation Award at 9th International Conference on Machine Learning and Computing on 02/2017.
3. Dr. Mayank Pandey received Young Faculty Research Fellowship award from MEITY on 02/2017

10.7 DEPARTMENT OF ELECTRICAL ENGINEERING

Vision

To produce globally competitive technical manpower with sound knowledge of theory and practice, with a commitment to serve the society and to foster cutting edge research in Electrical Engineering pertaining to the problems currently faced by the country and the world.

Mission

(a) Development of relevant content for quality teaching (b) Development of state of art lab facilities for research and consultancy (c) Development of infrastructure and procurement of cutting edge tools/equipment (d) Improving symbiotic relationship with Industry for collaborative research and resource generation.

List of Laboratories

- (i) Power Electronics Laboratory
- (ii) Electrical Machines Laboratory
- (iii) Control Systems Laboratory
- (iv) Virtual Instrumentation Laboratory
- (v) Simulation Laboratory

Other Relevant Information

1. Dr. Shashwati Banerjea received Best paper award for the paper titled "Implementation of MapReduce over structured peer-to-peer overlay of underutilized resources," in 2016 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), held at IISc Bangalore on 11/2016.

- (vi) Research Scholars' Laboratory
- (vii) CRU-1 & 2
- (viii) High Voltage Laboratory
- (ix) Measurement & Instruments Laboratory

Courses Run by Department

- (i) B. Tech. (Electrical Engineering)
- (ii) M. Tech. (Power System)
- (iii) M. Tech. (Control Systems)
- (iv) M. Tech. (Power Electronics & Drives)
- (v) Ph.D. in Electrical Engineering

List of M. Tech. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis title	Supervisor(s)
1.	Ajit Yadav	2014EE06	Electricity Price Forecasting Using Hybrid Time Saves Model	Mr. Nitin Singh
2.	Ankur Gupta	2014EE04	Optimized Stabilization and Tracking Control of Linear Inverted Pendulum.	Dr. Deepak Kumar
3.	Gaurav Kumar	2014EE07	Simulation and Analysis of Photovoltaic System with MPPT.	Dr. A. Narain
4.	Gaurav Kumar Pandey	2014EE19	Model Order Reduction Using Fuzzy C-Means.	Dr. Dinesh Chandra & Dr. A. Narain
5.	Harshita Raj Bighane	2014EE18	Power Factor Correction	Dr. R.K. Tripathi
6.	Jeetendra Kumar	2014EE11	Robust Output Feedback Control of Time-Delay Systems with Actuator Saturation in Discrete Time Systems	Dr. Richa Negi
7.	Narendra Singh	2014EE12	Modelling & Control of Multi Terminal VSC HVDC Interconnected Systems.	Dr. Richa Negi
8.	Navdeep Kumar Singh	2014EE09	Swing up and Stabilization of Rotary Inverted Pendulum and Its Implementation.	Dr. Deepak Kumar
9.	Naveen Kumar Rai	2014EE05	Small Signal Stability Analysis of VSC HVDC Connected Terminals	Dr. Richa Negi
10.	Nishant Aggarwal	2014EE16	Controller Design for Non-Linear Time Delay System	Dr. Shubhi Purwar
11.	Nitya Pandey	2014EE08	Improved Approximants Using Schur Method.	Dr. D. Chandra & Dr. Deepak Kumar
12.	Pankaj Kumar Mishra	2014EE10	Nonlinear System Identification and Control Using Neural Network.	Dr. Shubhi Purwar
13.	Pranjali Shukla	2014EE14	Torque Lippie Minimization in Switched Reluctance Motor	Dr. R. K. Tripathi
14.	Raj Kr. Agrawal	2014EE17	Controller Design for Single Flexible Link	Dr. Shubhi Purwar
15.	Saddam Husain	2014EE01	Electricity Price Forecasting Using Optimized Neural Network Model	Mr. Nitin Singh
16.	Konica Garg	2014EE03	Reduced Models via Stability Margins	Dr. Dinesh Chandra & Dr. Vineeta Agarwal
17.	Vaibhav Singh	2014EE15	Controller Design Using Model Order Reduction	Dr. A. Narain
18.	Vivek Kumar Pandey	2014EE13	Backspins Observer Based Controller Design For Three Phase Voltage Source Converter	Dr. R.K. Tripathi
19.	Abhimanyu Kumar	2014PS07	Droop Control Strategy For Load Sharing in a DC Microgrid	Dr. Asheesh K. Singh
20.	Abhishek Kumar	2014PS10	Energy Management of Renewable Sources with Storage Device	Dr. Asheesh K. Singh
21.	Ajai Kumar Pandey	2014PS15	Protection of Wind Turbine Using Flux Coupling Type SFCL	Dr. Navneet K. Singh

22.	Aradhna Patel	2014PS04	Investigation of Protection Schemes for Flexible Distribution of Energy Resources in Distribution System	Mr. Niraj K. Choudhary
23.	Arvind Kr. Meena	2014PS11	Robust Controller Design Boost Converter	Dr. S.R. Mohanty
24.	Ashish Kumar	2014PS14	Real Time Visualization of Oscillation Modes from PNU Data	Dr. Nand Kishor
25.	Avinash Kumar Pandey	2014PS01	Microgrid Protection Using Advanced signal Processing Techniques	Dr. S.R. Mohanty
26.	Krishna M. Kumar	2014PS06	Islanding Detection in Distributed Generation	Dr. N. K. Singh
27.	Manoj Baghel	2014PS03	Short-Term Electric Load Forecasting Using SVR	Dr. N.K. Singh
28.	Priya Solanki	2014PS16	Study on Interaction between Generators in Power System.	Dr. Nand Kishor
29.	Rahul Mohanani	2014PS08	Optimal Energy Management Using Heuristic Techniques & Wind forecasting	Dr. Asheesh K. Singh
30.	Ravendra Pal	2014PS12	Coordination of Electric Vehicle for Optimal Charging	Dr. Nand Kishor
31.	Sanjit Kumar Kaper	2014PS09	Advanced Droop Control Strategy for Load Sharing with Consideration of Operational Cost in Autonomy Microgrid	Mr. Niraj K. Choudhary
32.	Somnath Mondal	2014PS05	Control and Protection Techniques in Distribution System with the Penetration of Distributed Generators.	Mr. Niraj K. Choudhary
33.	Vipin Kumar	2014PS02	Electricity Price Forecasting Using Linear Time Series Models	Mr. Nitin Singh
34.	Ajit Singh	2014PE02	Analysis & Design of Single Inductor Multiple Output DC-Dc Converter in CCM/DCM	Dr. R.K. Singh
35.	Alok Ranjan Gupta	2014PE15	Isolated DC-Dc Converter Fly back Converter for LED Driver	Dr. R.K. Singh
36.	Aman Srivastava	2014PE06	Comparative Study of Two Stage & Three Stage SST	Dr. Vineeta Agarwal
37.	Ashish Kumar	2014PE08	Comparative Analysis of Magnetically Coupled DC-DC Converter for Fuel Cell Low and High Power Applications	Mr. M. Venkatesh Naik
38.	Diwakar Sharma	2014PE12	Analysis and Control of AC-AC Modular Multilevel Converter	Dr. Vineeta Agarwal
39.	Lingam Mohan Krishna	2014PE10	Grid Integration of PV System Using Marx Multilevel Inverter	Dr. P. Samuel
40.	Manish Kumar	2014PE09	Maximum Power Point Tracking of WECS Through Sliding Mode Control.	Dr. P. Samuel
41.	Rahul Sharma	2014PE03	Solar PV Fed Cascaded H-Bridge Inverter for Standalone and Grid Connected Application.	Dr. Rajesh Gupta
42.	Sanjeev Kumar	2014PE13	Modified KY 3+2D Converter with Reduced Input Current Ripple and Increased Output Voltage.	Mr. M. Venkatesh Naik
43.	Shubham Sinha	2014PE07	Medium Power Low Voltage Rectifier	Dr. R.K. Singh
44.	Shweta Sharma	2014PE16	Power Flow Control in Energy Storage for Grid Connected Wind Energy Conversion System.	Dr. Rajesh Gupta
45.	Vivek Kumar	2014PE01	Voltage Control and Power Balance in Standalone Microgrid Supported from Solar PV.	Dr. Rajesh Gupta
46.	Yalavarthi Amarnath	2014PE04	Level Step-up AC/DC Converter for Hybrid Energy System	Dr. Paulson Samuel

Publication in International Journals

1. Sonal Singh, Shubhi Purwar and Abhijit Kulkarni, "Two term Composite non-linear feedback controller design for non-linear time-delay systems" Transactions of the Institute of Measurement and Control, 2017.
2. S. Singh and S. Purwar, "Two Term Control Strategy For Position Control Of Twin Rotor System," International Journal of Applied Mathematics And Informatics, vol. 11, 2017
3. Sheetla Prasad, Shubhi Purwar, and Nand Kishor, "Non-linear sliding mode load frequency control in multi-area power system", Control Engineering Practice, vol. 61, pp. 81-92, 2017
4. A. Kulkarni and S. Purwar, Adaptive nonlinear gain based composite nonlinear feedback controller with input saturation, "IMA Journal of Mathematical Control and Information, 2017
5. Sheetla Prasad, Shubhi Purwar and Nand Kishor, "H-infinity based non-linear sliding mode controller for frequency regulation in interconnected power systems with constant and timevarying delays", IET Generation Transmission and Distribution , 10, 1, pp. 2771-2784, 2016.
6. Sunil Kumar Mishra, Shubhi Purwar and Nand Kishor, "Design of non-linear controller for ocean wave energy plant," Control Engineering Practice, vol. 56, pp. 111-122, 2016.
7. Sunil Kumar Mishra, Shubhi Purwar and Nand Kishor, "An optimal and non-linear speed control of OWC wave energy plant with Wells turbine and DFIG," International Journal of Renewable Energy Research, vol. 6(3), pp. 995-1006, 2016
8. A. K. Gupta, D. Kumar, and P. Samuel, "Order Reduction of Continuous LTI Systems using Harmony Search Optimization with retention of dominant poles," Int. J. Control Theory Appl., vol. 10, no. 6, pp. 1552–1557, 2017.
9. V. P. Singh, N. Kishor and P. Samuel, "Load Frequency Control with Communication Topology Changes in Smart Grid", IEEE Trans. Ind. Informatics, vol.12, Issue 5, pp.1943-1952, 05/2016,
10. V. P. Singh, N. Kishor and P. Samuel, "Communication time delay estimation for load frequency control in two-area power system", Ad Hoc Networks, vol.41, Issue 11, pp.69-85, 05/2016,
11. M. V. Naik and P. Samuel, "Analysis of ripple current, power losses and high efficiency of DC-DC converters for fuel cell power generating systems", Renew. Sustain. Energy Rev., vol.59, pp.1080-1088, 06/2016,
12. N. K. Choudhary, S. R. Mohanty and R. K Singh, "Active and reactive power management in microgrid: Analysis in grid connected and islanded mode of operation", Indian Journal of Science & Technology, vol.9, Issue 21, pp.01-08, 06/2016, (IF = 1.63)
13. V. P. Singh, P. Samuel and N. Kishor, "Impact of demand response for frequency regulation in two-area thermal power system", Int. Trans. Electr. Energy Syst., Issue 4, pp.1-23, 08/2016,
14. Premananda Pany, R. K. Singh & R. K. Tripathi, "Active Load Current Sharing in Fuel Cell and Battery fed DC Motor Drive for Electric Vehicle Application" Elsevier journal Energy Conversion and Management 122 (2016) 195–206.
15. Mayank Kumar and Rajesh Gupta, "Sampled-Time Domain Analysis of Digitally Implemented Current Controlled Inverter", IEEE Transactions on Industrial Electronics, vol. 64, no. 1, pp. 217-227, Jan. 2017.
16. Mayank Kumar and Rajesh Gupta, "Stability and Sensitivity Analysis of Uniformly Sampled DC-DC Converter with Circuit Parasitics", IEEE Transaction on Circuits. Sys.- I: Reg. Papers., vol. 63, no. 11, pp. 2086-2097, Nov. 2016.
17. Mayank Kumar and Rajesh Gupta, "Sampled time domain analysis of digital pulse width modulation for feedback controlled converters", IET Circuit Devices & Systems, vol. 10, no. 6, pp. 481-491, Nov. 2016.
18. Vijay Pratap singh, Nand Kishor, Paulson Samuel, Improved load frequency control of power system using LMI based PID approach, Accepted, Journal of the Franklin Institute, Publisher: Elsevier, 2017 Impact factor: 3.139.
19. Shweta, Nand Kishor, Kjetil Uhlen, S. R. Mohanty, Identification of coherency and critical generators set in real time signal, Accepted, GTD-SI-2017-0327.R1, Journal-IET Generation, Transmission

- and Distribution, Publisher: IET. 2016 Impact factor: 2.213.
20. Shweta, Nand Kishor, Kjetil Uhlen, S. R. Mohanty, Identification of coherency and critical generators set in real time signal, Accepted, GTD-SI-2017-0327.R1, Journal-IET Generation, Transmission and Distribution, Publisher: IET. 2016 Impact factor: 2.213
 21. Preeti Agarwal, Anshul Agarwal and Vineeta Agarwal, "FPGA Based Space Vector Pulse Width Modulated Single-Phase to Three-Phase Converter" IETE Journal of Research, Volume 63, issue 12, December 2017, (SCI).
 22. Abhishek Vikram and Vineeta Agarwal, "Patterning Approach for Detecting Defect in Device Manufacturing" Semiconductor Journal, Volume 51, Issue 12, pp. 1661-1665, December 2017(SCI).
 23. Navdeep Singh, Anshul Agarwal and Vineeta Agarwal, "Power control in centralized distributed AC load for wind energy system", Journal of Renewable and Sustainable Energy, Vol. 9, Issue 3, May 2017(SCI).
- Publication in National Journals**
1. A. Ahmad and P. Samuel, "Digital control of photovoltaic based multilevel converter for improved harmonic performance", Indian J. Sci. Technol., vol.9, Issue 11, pp.1-8, 11/2016.
- Publication in International Conferences**
1. C. N. Singh, D. Kumar, and P. Samuel, "Order Reduction of Interval Systems Using Direct Truncation and Stability Equation Method," in International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS), Allahabad, India, Feb. 2017, pp. 363–368.
 2. V. Kumar and Rajesh Gupta, "Voltage Control and Power Balance in a Standalone Microgrid Supported from Solar PV System", IEEE TENCON 2016, Nov. 22-25, 2016, Singapore.
 3. R. Sharma and Rajesh Gupta, "Symmetrical DC-link Capacitor Voltage for Cascaded H-Bridge Inverter Supported from Solar PV Array", IEEE TENCON 2016, Nov. 22-25, 2016, Singapore.
 4. P. Chinna D. Goud and Rajesh Gupta, "Global MPPT of Grid connected Solar PV Inverter under Partially Shaded Condition", IEEE PEDES, 14-17 Nov. 2016, Trivendrum, India.
 5. Avinash Kumar, Sanjay Singh Negi, Nand Kishor, Kjetil Uhlen, Signal Processing and Classification of Synchro-phasor data, IEEE MELECON 2016, 18-20 April 2016, Cyprus.
 6. Lalit Kumar, Nand Kishor, Shweta, Frequency Monitoring of Forced Oscillation in PMU's Data from NASPI, IEEE MELECON 2016, 18-20 April 2016, Cyprus.
 7. Omkar Yadav, Richa Negi, Nand Kishor, Kjetil Uhlen, Analysing Power Balancing as a Constant Power Source Operation in a MTDC System, IEEE EnergyCon 2016, 4-8 April 2016, Belgium.
 8. Rajat Kumar, Saurabh Kumar, Navdeep Singh and Vineeta Agarwal, "SEPIC Converter with 3-Level NPC Multilevel Inverter for Wind Energy System (WES)," IEEE International Conference on Power, Control and Embedded Systems, ICPCES 2017, 9-11 March, 2017, Allahabad, INDIA.
 9. Rajnish Bhasker and Vineeta Agarwal, "Modelling of Modular Multilevel Converter for grid Application" IEEE International Conference on Power, Control and Embedded Systems, ICPCES 2017, 9-11 March, 2017, Allahabad, INDIA
 10. Anshul Agarwal and Vineeta Agarwal, "FPGA Based Direct Matrix Converter: The Harmonic Analysis with Three Modulation Techniques", IEEE TENCON 2016. Singapore.
 11. Aman Srivastava, Vineeta Agarwal and Rajnish Bhasker, "Dual PID Loop Controller for HF Link Inverter in Two-Stage SST" Seventh POWER INDIA International Conference 2016. Bikaner, November 25-27, 2016.
 12. Diwaker Sharma, Vineeta Agarwal and Rajnish Bhasker, "Capacitor Voltage Balancing in Back-to-Back Modular Multilevel Converter" Seventh POWER INDIA International Conference 2016. Bikaner, November 25-27, 2016.
 13. Anshul Agarwal, Vineeta Agarwal, S Rajasekar, P Sanjeev Kumar, Viliam Fedák, Mihai Cernat, "Harmonic Minimization In Modulated Frequency Single-Phase Matrix converter, IEEE Power Electronics and Motion Control, IEEE-PEMC'16, Varna (Bulgaria).

14. Anshul Agarwal, Vineeta Agarwal, S Rajasekar, P Sanjeev Kumar, Viliam Fedák, Mihai Cernat, "Comparative Analysis of Modulation Techniques in Frequency Converter" IEEE Power Electronics and Motion Control, IEEE-PEMC'16, Varna (Bulgaria).
15. Anshul Agarwal and Vineeta Agarwal, "FPGA Based Sinusoidal Pulse Width Modulated Frequency Converter" IEEE Power Electronics, Intelligent Control and Energy System, ICPEICES-2016, Delhi.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Mr. M. Venkatesh Naik	Renewable and Sustainable Energy Reviews

10.8 DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Vision

The vision of the Electronics and Communication Engineering Department is to become a globally leading department of higher learning, building upon the culture, the values of universal science and contemporary education, and a center of research and education generating the knowledge and the technologies which lay the groundwork in shaping the future in the fields of Electronics and Communication Engineering.

Mission

The mission of the Electronics and Communication Engineering Department is to provide quality education and research leading to B. Tech., M. Tech. and Ph. D. degree in the area of Electronics and Communication Engineering and Technology which may produce globally acceptable high quality skilled manpower. To impart technical education which may provide innovative skills in their respective area of specialization for society in general with universal moral values, adherent to the professional ethical codes. To generate and

disseminate knowledge and technologies essential to the local and global needs in the field of Electronics and Communication Engineering.

List of Laboratories

- (i) Basic Electronics Laboratory
- (ii) Advance Electronics Laboratory
- (iii) VLSI Laboratory
- (iv) Computer Architecture and DSP Laboratory
- (v) Communication Laboratory
- (vi) Data Communication Network Laboratory
- (vii) Microwave Laboratory
- (viii) Research Scholars' Laboratory
- (ix) Project Lab

Courses Run by Department

- UG: B. Tech. in Electronics and Communication Engineering
- PG: M. Tech. in Electronics Engineering with specialization in
Digital Systems
Microelectronics and VLSI Design
Communication Systems
- Ph.D.: Regular/ Part time/ QIP/ QIP Poly/ TEQIP/ DeitY Gol

List of M. Tech Thesis Completed

Sl. No	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Chatla Naveen Kumar	2014VL11	Design and implementation of modulo 2^{n+1} adder using parallel prefix structure	Dr. Ram Awadh Mishra
2.	Avinash Kumar Tiwari	2014EL11	Energy Efficient Schemes in Wireless Sensor Networks	Dr. Arvind Kumar
3.	Yogeswar Nath Pandey	2014EL13	Investigation of Zero Temperature Coefficient (ZTC) bias point for symmetrical and asymmetrical dual material double gate (DMDG) MOSFETs	Dr. Sanjeev Rai
4.	Mihir Kumar P. Shah	2014VL09	Modeling and Simulation of Quadruple Gate MOSFETs	Dr. Santosh Kumar Gupta

5.	Neha Maurya	2014VL04	Analysis of harmonic distortion in high frequency dielectric modulated symmetrical dual material double gate (sdmdg) for analog/RF circuits	Dr. Sanjeev Rai
6.	Amit Kumar	2014CM04	Heart Attack Detection Through ECG Classifications	Dr. Basant Kumar
7.	Gajula Rajesh	2014eI12	Efficient adaptive filter using LMS algorithms.	Dr. Manish Tiwari
8.	Ravi Kumar	2014EL18	Power optimization of Adaptive FIR filter	Dr. V. Krishna Rao
9.	Kalpana Singh	2014EL21	RDWT and SVD based Robust and Secure Image Watermarking	Dr. V. K. Srivastava
10.	Amrita Tiwari	2014eI01	FIR adaptive filter based on DA and block algorithm.	Dr. Manish Tiwari
11.	Amit Kumar	2014EL15	Low Delay Compression Schemes for Flight Data Recorder	Dr. Basant Kumar
12.	Ravi Kumar Keshwar	2014eI07	LUT Based High Performance FIR Filter Architecture	Dr. Manish Tiwari
13.	Raghavendra Pal	2014CM09	Designing a MAC protocol using clustering based adaptive broadcast in VANET	Dr. Arun Prakash
14.	TulikaBhuyan	2014EL20	Optimization of Robust and Secure Digital Image Watermarking based on DWT and SVD	Dr. V. K. Srivastava
15.	Thota Ravi Sankar	2014EL10	Performance Analysis of Footed Pseudo Dynamic Buffer Scheme for Low Power VLSI Circuits	Dr. R. K. Nagaria
16.	Dinesh Chaurasia	2014EL04	Efficient Energy Strategy for Wireless Sensor Networks	Dr. V. Krishna Rao
17.	Premlata Singh	2014EL02	Design and implementation of modulo 2^{n+1} multiplier-adder block based on booth encoding	Dr. Ram Awadh Mishra
18.	Mayank Mishra	2014EL17	Energy Efficient Routing Protocol for Wireless Body area Network	Dr. Arvind Kumar
19.	Anjali Verma	2014CM08	Information retrieval in VANET two tier VANET/P2P using RSU as a superpeer	Dr. Rajeev Tripathi
20.	Akash Singh Rawat	2014VL05	Modeling and Performance Analysis of Junction-Less Quadruple Gate MOSFETs	Dr. Santosh Kumar Gupta
21.	Manish Srivastava	2014VL10	Analytical Modeling and Performance Analysis of Junctionless Cylindrical Surrounding Gate MOSFET for Low Power Analog/RF Circuits	Dr. Sanjeev Rai
22.	Rohini Srivastava	2013PTEL10	Joint Compression and Watermarking Schemes	Dr. Basant Kumar
23.	Amrita Tiwari	2014eI01	FIR adaptive filter based on DA and block algorithm.	Dr. Manish Tiwari
24.	Sharad Kumar Yadav	2014EL06	Automated Detection of Diabetic Retinopathy through Digital Image Processing	Dr. Basant Kumar
25.	Satish Chand Gautam	2014CM03	Data dissemination protocol for predefined number of receivers in VANET	Dr. Arun Prakash
26.	Vineet Rajput	2014CM01	Multipath QoS routing using ant colony optimization in VANET	Dr. Arun Prakash
27.	Amit Prakash Singh	2014EL08	Stability improvement in Heterogeneous Wireless Sensor Networks	Dr. V. Krishna Rao
28.	Ankur Kumar	2014VL17	Logical Effort Approach of Delay and Dynamic	Dr. R. K. Nagaria

29.	Ranjana Dwivedi	2014GI16	Power Estimation for Low Power VLSI Circuits Transform Domain Digital Image Watermarking Schemes for GIS data	Dr. V. K. Srivastava
30.	Joseph Sunil Higgins	2013PTEL08	Distributed arithmetic based LMS adaptive FIR filter	Dr. V. Krishna Rao
31.	Manoj Kumar Yadav	2013PTEL07	A First Principle Study of Various MTJ for Application in non-Volatile MRAM	Dr. Santosh Kumar Gupta
32.	Ravi Shankar	2014VL15	Highly Linear Low Gm OTA	Dr. Vijaya Bhadauria
33.	Annop Kr. Pandey	2013PTEL06	Performance Evaluation of Pipelined System	Dr. Arvind Kumar
34.	Vikas	2014VL02	Comparison of Analog/RF and DC Performance of Double Gate, Double Gate Dielectric Pocket and Schottky Dielectric Pocket MOSFETs	Dr. Santosh Kumar Gupta
35.	Shanu Kumar	2014VL18	LV LP High Gm Bulk driven OTA	Dr. Vijaya Bhadauria
36.	Ashrita Singh	2014CM19	Efficient warning message delivery using RSU in VANET	Dr. Rajeev Tripathi
37.	Yeramala Suresh	2014EL05	Non Uniform 12-Band FIR Digital Filter Bank Based on Frequency Response Masking Technique for Hearing Aid	Dr. Amit Dhawan
38.	Amarendra Kr. Tripathi	2014EL14	Power Reduction in DSP Processor for Multimedia Applications	Dr. Amit Dhawan
39.	Ravi Kumar Jauhari	2014CM15	Performance Improvement of microstrip antenna using metamaterial	Dr. Rajeev Gupta
40.	Ajay Kumar Yadav	2014CM06	PAPR reduction based on DFT precoding for OFDM signals	Dr. Rajeev Gupta
41.	Vikash Kumar	2014CM11	Gain and Bandwidth enhancement of microstrip patch antenna using slots	Dr. Rajeev Gupta
42.	Ganji Rajesh Kumar	2014CM16	Low Complexity Papr Reduction In Ofdm Systems	Mr. Asim Mukherjee
43.	Setty Anil Kumar	2014CM02	Effect of Papr Reduction On Spectral Efficiency And Energy Efficiency In OFDM Systems Using Slm Scheme	Mr. Asim Mukherjee
44.	Mukalla Pavan Kumar	2014CM20	Coherent Detection Quadrature Phase Shift Keying(Qpsk) Wdm Optical OFDM System	Mr. Asim Mukherjee
45.	Sarjan Meena	2014CM13	Slotted Multiband Microstrip Patch Antenna	Dr. V. S. Tripathi
46.	Banothu Venkanna	2014CM12	Dula Band Microstrip Patch Antenna for ITS	Dr. V. S. Tripathi

Publication in International Journals

- Anjali Priya and Ram Awadh Mishra, "A two dimensional analytical modeling of surface potential in triple metal gate (TMG) fully-depleted Recessed-Source/Drain (Re-S/D) SOI MOSFET", Superlattices and Microstructures, vol.92, Issue 1, pp.316-329, 04/2016, Published by Elsevier (SCI, IF = 2.123)
- Vadthiya Narendar, Saurabh Rai, Siddharth Tiwari, and R. A. Mishra, "A two-dimensional (2D) analytical subthreshold swing & transconductance model of underlap dual-material double-gate (DMDG) MOSFET for analog/RF applications", Superlattices and Microstructures, vol.100, Issue 1, pp.27-289, 04/2016, Published by Elsevier (SCI, IF = 2.123)
- J. B. Maurya and Y. K. Prajapati, "A Comparative Study of Different Metal and Prism in the Surface Plasmon Resonance Biosensor having MoS₂-Graphene", Optical and Quantum Electronics, pp.1-12, 05/2016, (SCI, IF = 0.987)
- Anurag Upadhyay, Y. K. Prajapati, Rajeev Tripathi, Vivek Singh and J. P. Saini, "Analysis of metal clad waveguide sensor having metamaterial as a

- guiding layer", *Opto-Electronics Review*, pp.47–57, 05/2016, (SCI, IF = 1.667)
5. Pawan Kumar Verma, Rajesh Verma, Arun Prakash, Ashish Agrawal, Kshirasagar Naik, Rajeev Tripathi, Maazen Alsabaan, Tarek Khalifa, Tamer Abdelkader and Abdulkhakim Aboghara, "Machine-to-Machine (M2M) Communications: A Survey", *Journal of Network and Computer Applications (JNCA)*, vol.66, pp.83–105, 05/2016, Published by Elsevier. (Scopus, IF = 3.5)
 6. S. Kumar Tadepalli, V. Krishna Rao Kandavli and H. Kar, "Stability criterion for uncertain 2-D discrete systems with interval-like time-varying delay employing quantization/ overflow nonlinearities", *Turkish Journal of Electrical Engineering and Computer Sciences*, vol.24, Issue 5, pp.3543-3551, 06/2016, Published by Tubitak Scientific & Technical Research Council. (SCI, IF = 0.766)
 7. N. Agarwal and H. Kar, "Criterion for non-existence of limit cycles in 2D state-space digital filters described by the Fornasini-Marchesini second model with finite wordlength nonlinearities", *IET Signal Processing*, vol.10, Issue 5, pp.449-456, 06/2016, Published by Institution of Engineering and Technology. (SCI, IF = 1.325)
 8. Sankit R. Kassa and R. K. Nagaria, "An innovative low power Full Adder design in Nano Technology based Quantum Dot Cellular Automata", *Journal of Low Power Electronics*, vol.12, Issue 2, pp.107-111, 06/2016, Published by American Scientific Publishers. (Scopus, IF = 0.84)
 9. S. K.Tadepalli, V. K. R. Kandavli and H. Kar, "Stability criterion for uncertain 2-D discrete systems with interval-like time-varying delay employing quantization/ overflow nonlinearities", *Turkish Journal of Electrical Engineering & Computer Sciences*, vol.24, pp.3543-3551, 06/2016, Published by Scientific and Technological Research Council of Turkey. (SCI, IF = 0.766)
 10. Sajal Agarwal and Y. K. Prajapati, "Broad band and Polarization Insensitive Helix Metamaterial Absorber using Graphene for Terahertz Region", *Applied Physics-A*, 06/2016, (SCI, IF = 1.444)
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 14. Shweta Tripathi, "A Two-Dimensional Analytical Modeling for Channel Potential and Threshold Voltage of Short Channel Triple Material Symmetrical Gate Stack (TMGS) DG-MOSFET", *Chinese Physics B*, vol.25, pp.108503-1-7, 08/2016, Published by IOP. (SCI, IF = 1.603)
 15. N. Agarwal and H. Kar, "New results on saturation overflow stability of 2-D state-space digital filters", *Journal of the Franklin Institute*, vol.353, Issue 12, pp.2743–276, 08/2016, Published by Elsevier. (SCI, IF = 3.139)
 16. J. B. Maurya, Y. K. Prajapati and Rajeev Tripathi, "Effect of Molybdenum Disulfide Layer on Surface Plasmon Resonance Biosensor for the Detection of Bacteria", *Silicon*, pp.1-12, 08/2016, Published by Springer. (SCI, IF = 0.829)
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 18. Shashwat Pathak and Basant Kumar, "A Robust Automated Cataract Detection Algorithm Using Diagnostic Opinion Based Parameter Thresholding for Telemedicine Application", *Journal of electronics MDPI*, 09/2016, (SCI)
 19. Brijesh Kumar Singh, Lucky Agarwal and Shweta Tripathi, "Work Function estimation of Bismuth doped ZnO thin films", *Advanced Nanoscience and Technology: An International Journal (ANTJ)*, vol.2, pp.1-7, 09/2016,

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21. B. K. Singh, L. Agarwal and S. Tripathi, "Refractive index and dielectric constant evaluation of Bi doped p-ZnO thin film deposited by sol gel method", *Journal of electron devices*, vol.23, pp.1917-1921, 09/2016, Published by Euro-Mediterranean Institute for Sustainable Development.
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29. Richa Pandey, Amit Kumar Singh, Basant Kumar and Anand Mohan, " Iris Based Secure NROI Multiple Eye Image Watermarking for Teleophthalmology", *Multimedia Tools and Applications*, Springer, vol.75, pp.14381-1439, 11/2016, (SCI, IF = 1.331)
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- Publication in International Conferences**
1. Tulika Bhuyan, V. K. Srivastava and Falgun Thakkar, "Image Adaptive Watermarking using JAYA Optimization Algorithm", International Conference on Computing Sciences (ICCS 2016), Jhalandhar-Punjab, 04/2016,
 2. Avaneesh K. Dubey, R. K. Nagaria, Pratosh K. Pal and Rakesh K. Singh, "Enhanced Slew Rate, Constant-gm Rail-to-Rail OpAmp using 1:2 Current Mirror Biasing Technique", International Conference on Computing, Communication and Automation (ICCCA-2016), School of Computing Science and Engineering, Galgotias University, Greater Noida, U.P., India, pp.184, 04/2016, Published by IEEE.
 3. Thota Ravi Sankar, Sankit R. Kassa, R. K. Nagaria and Ankur Kumar, "Performance Analysis of Footed Quasi Resistance Scheme for Low Power VLSI Circuits", International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES'16), Delhi Technological University, Delhi-110042, India, pp.1-5, 07/2016, Published by IEEE.
 4. Pratosh K. Pal, Avaneesh Kumar Dubey, Sankit R. Kassa and R. K. Nagaria, "Voltage Comparison Based High Speed & Low Power Domino Circuit for wide fan-in Gates", International Conference on Electron Devices and Solid-State Circuits (EDSSC'16), The University of Hong Kong, Hong Kong, pp.99-102, 08/2016, Published by IEEE.
 5. Ankur Kumar, Sankit R. Kassa, Avaneesh K. Dubey, R. K. Nagaria and R. K. Singh, "Logical Effort Method for Dynamic Power and Delay Estimation of Multi-Threshold CMOS and Its Application in Low Power VLSI", International Conference on Advance Computational Technique in Information & Communication Technology (ICACTICT-16), KNIT Sultanpur, India, pp.3-9, 09/2016, Published by Excel India Publishers.
 6. Lucky Agarwal, Brijesh Kumar Singh, R. A. Mishra and Shweta Tripathi, "Short channel effects (SCEs) characterization of underlapped dual-K spacer in dual-metal gate FinFET device", IEEE International Conference on Control, Computing, Communication and Materials (ICCCCM) - 2016,

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 8. Sachin Gaur and Vinay Kumar Srivastava, "A Robust and Secure Block- SVD Based Embedding of Encrypted watermark in Digital Images Using RDWT", International Conference on Advances in Computing and Data sciences (ICACDS-2016),, Krishna Engineering College Ghaziabad , India., 11/2016.
 9. Premlata Singh, Ritesh Jaiswal and R. A. Mishra, "New Area Efficient Modulo 2^{n+1} Multiplier", Int. conf. on computing, communication and control technology, SRMU Lucknow, pp.11-14, 11/2016, Published by SRMU.
 10. Sharad Kumar Yadav, Shailesh Kumar, Basant Kumar and Rajiv Gupta, "Comparative Analysis of Fundus Image Enhancement in Detection of Diabetic Retinopathy," IEEE Humanitarian Technology Conference, Dayalbagh, Agra, 12/2016.
 11. Sachin Gaur and Vinay Kumar Srivastava, "Robust Embedding of Improved Arnold Transformed watermark in digital Images using RDWT-SVD", 4th International Conference on Parallel, Distributed and Grid Computing (PDGC-2016), J P University Wagnaghat Himanchal, India., pp.563-568, 12/2016, Published by IEEE.
 12. Shubham Jain, Shashwat Pathak and Basant Kumar, "A Robust Design and Analysis of Analog Front End for Portable ECG Acquisition System", IEEE Humanitarian Technology Conference, Dayalbagh, Agra, 12/2016.
 13. Shashwat Pathak, Shubham Gupta and Basant Kumar, "A novel Cataract Detection Algorithm using Clinical Data Mapping", IEEE Humanitarian Technology Conference, Dayalbagh, Agra, 12/2016.
 14. Amit Vishwakarma, Shashwat Pathak and Basant Kumar, "Implementation of Low Delay Cockpit Voice Encoder for Flight Data Recorder Using TMS320C6713 DSP Processor", International Conference on Parallel, Distributed and Grid Computing, JPUIT, Solan, 12/2016,
 15. Amrita Tiwari, Prashant Kumar and Manish Tiwari, "High Throughput Adaptive Block FIR Filter using Distributed Arithmetic", India International Conference on Information processing, DTU Delhi, pp.1-6, 00/2017, Published by IEEE.
 16. Sachin Gaur and Vinay Kumar Srivastava, "A Hybrid RDWT-DCT and SVD Based Digital Image Watermarking Scheme Using Arnold Transform", 4th International Conference on Signal Processing and Integrated Networks (SPIN-2017), Amity University Noida, India, pp.IEEE, 02/2017, Published by 399-404.
 17. Tarique Rashid, Sunil Kumar and Arvind Kumar, "REER: Relay based Energy Efficient Routing for Intra Body Sensor Network (Intra-WBSN)", 4th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, pp.222-227, 02/2017, Published by IEEE.
 18. Shanu Kumar, Vijaya Bhadauria and Tanmay Dubey, "LVLP High Gm Bulk-driven Folded Cascode OTA using Current Shunt Auxiliary Pair", 4th International Conference on Power, Control and Embedded Systems (ICPCES), 2017, MNNIT Allahabad, 02/2017, Published by IEEE.
 19. Tarique Rashid, Sunil Kumar and Arvind Kumar, "Effect of Body Node Coordinator (BNC) Positions on the Performance of IntraBody Sensor Network (Intra-WBSN)", 4th International Conference on Power, Control and Embedded Systems (ICPCES - 2017), MNNIT Allahabad, India, 03/2017.
 20. Lucky Agarwal, Brijesh Kumar Singh, Shweta Tripathi and P. Chakrabarti, "Fabrication and Characterization of Thin Film Heterojunction diodes for Smart System", IEEE Conference on emerging devices and smart systems – ICEDSS, MEC, Tamilnadu, pp.180-183, 03/2017, Published by IEEE.
 21. Amit Kumar Singhand Vinay Kumar Srivastava, "Exon Prediction by Peaking Filter Implemented using FDA Toolbox", 1st International Conference on Smart Technologies in Computer and Communication, Amity University Jaipur Rajasthan, 03/2017.

Patents

1. Patent no.Ref. No. 201611018593, Entitled Microfabrication Annealing Furnace with Integrated Magnetic Field and Electric Field Application and, Applied on 30/05/2016. Patent filed by Dr. Shweta Tripathi.
2. Patent no.201611005417A, Entitled Method to determine beam width of a dip in surface plasmon resonance sensor and its application the, Granted on 03/06/2016. Patent filed by J. B. Maurya and Yogendra Kumar Prajapati.
3. Patent no.201611025089 A, Entitled Integrated health-monitoring device and a method of real time transfer of health condition data coll, Granted on 30/12/2016. Indian Patent Journal No. 54/2016. Patent filed by Yogendra Kumar Prajapati.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Santosh Kumar Gupta	Microelectronics Journal Wireless Personal Communications International Journal of Electronics Letters Journal of Computational Electronics Semiconductor Science and Technology International Journal of VLSI Design and Communication Systems (VLSIC) Superlattices and Microstructures
2.	Dr. Basant Kumar	Journal of Intelligent Systems Signal Processing & Integrated Network,(SPIN 2014) Journal of Information Sciences Journal Multimedia Tools and Applications Journal of Security and Communication Networks Journal of Information and Computer Security
3.	Dr. Yogendra Kr. Prajapati	International journal of Silicon, International journal of Physica Scripta, International journal of Journal of Optics. International journal of Optics Communications, International journal of Progress in Electromagnetic Research International journal of Sensors & Actuators: B. Chemical International journal of Infrared Physics & Technology International journal of Optical Fiber Technology International journal of Engineering, Science and Technology International journal of Optics Letters,
4.	Dr. Manish Tiwari	Transactions of the Institute of Measurement and Control Circuit System Signal Processing
5.	Dr. Rajeev Tripathi	Wireless Personal Communication Springer IEEE Communication Letters Adhoc Networks West Indian Journal of Engineering IETE Journal of Research, Taylor and Francis International Journal of Electronics, Taylor and Francis Vehicular Communication
6.	Dr. V. Krishna Rao	Transactions of the Institute of Measurement and Control Journal of Computational Science Optik – International Journal for Light and Electron Optics International Journal of Electronics

Invited Lectures Delivered

1. A lecture is delivered by Dr. Arun Prakash at United Group of institutions, UCER campus Allahabad on 06/04/2016 entitled Physical & MAC layer: Issues & challenges.
2. A lecture is delivered by Dr. Basant Kumar at One Week Faculty Development Program on "Signal & Image Processing", Bundelkhand Institute of Engineering & Technology, Jhansi on 18/07/2016 entitled ICT & DIP Based Healthcare Solutions in Ophthalmology.
3. A lecture is delivered by Dr. R. K. Nagaria at K.N.I.T. Sultanpur (U.P.) India, International Conference on Advance Computational Technique in Information & Communication Technology (ICACTICT-16) on 24/09/2016 entitled Analog/ Mixed Mode VLSI Circuit and Their trends.
4. A lecture is delivered by Dr. Arun Prakash at United Group of institutions, UCER campus Allahabad on 22/10/2016 entitled Adaptive techniques for PHY & MAC layer.
5. A lecture is delivered by Dr. Basant Kumar at Dr. Shakuntala Mishra National Rehabilitation University, Lucknow on 28/10/2016 entitled Telemedicine: An Effective Rural Healthcare Solution.
6. A lecture is delivered by Dr. Basant Kumar at Emerging Trends In Communication & Information Technology, "COMMIT 17, IEEE Student branch, Shepherd School of Engineering and Technology, SHUATS, Naini, Allahabad, on 30/01/2017 entitled ICT Based Healthcare Solutions: Emerging Trends & Research Challenges.
7. A lecture is delivered by Dr. Arun Prakash at Emerging Trends in Communication & Information Technology, Sam Higginbottom University of Agriculture Technology and Sciences, Naini, Allahabad on 02/02/2017 entitled Mobility management for VANET.
8. A lecture is delivered by Dr. Manish Tiwari at National Conference on Nano-materials and Nanotechnology, Lucknow University on 11/02/2017 entitled MATLAB and its applications.

Events Organized by Department

Sl. No.	Type	Title	From	To
1.	Workshop	One week National Workshop on Advances in Wireless and Optical Networks (AWON-2016), MNNIT Allahabad	02/06/2016	07/06/2016
2.	Summer Training Program	VLSI Design and Embedded Systems (VDES-2016), MNNIT Allahabad	15/06/2016	13/07/2016
3.	Faculty Development Program	Advanced Embedded System and Micro-electronics (AESM-2016), ECED, MNNIT, Alld	14/07/2016	20/07/2016
4.	Workshop	Xilinx Tools Training Workshop, MNNIT Allahabad	04/01/2017	12/01/2017
5.	Workshop	Antenna Design & Signal Processing Techniques for 5G Networks and IoT (ADSPNIT-2017), MNNIT Allahabad	27/02/2017	04/03/2017

Events Attended

1. Dr. Rajeev Gupta attended International Summer School on Biomedical Imaging at Saint Malo, France during 16/06/2016 to 24/06/2016
2. Dr. Basant Kumar attended International conference on 12th IEEE EMBS International Summer School on Biomedical Imaging at Educational Engineering Unit, Mines St-Etienne, France during 16/06/2016 to 24/06/2016
3. Dr. Manish Tiwari attended Workshop on Inclusive Technical Education in National Context: Challenges and Solutions at MNNIT, Allahabad during 16/07/2016 to 17/07/2016.
4. Dr. V. K. Srivastava attended Workshop on Inclusive Technical Education in National Context: Challenges and Solutions at MNNIT Allahabad during 16/07/2016 to 17/07/2016.
5. Dr. R. K. Nagaria attended International conference on International Conference on Electron Devices and Solid-State Circuits (EDSSC' 16) at The University of Hong Kong, Hong Kong during 03/08/2016 to 05/08/2016.

6. Dr. R. K. Nagaria attended Workshop on Programme for Senior Administrative Professionals (ProSAP) at TEQIP-II, MNNIT Allahabad India during 24/10/2016 to 28/10/2016.
 7. Dr. Manish Tiwari attended Workshop on Xilinx Tools Training at Allahabd during 04/01/2017 to 12/01/2017.
 8. Dr. R. K. Nagaria attended International conference on IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017) at MNNIT, Allahabad India during 03/02/2017 to 05/02/2017.
 9. Dr. R. K. Nagaria attended Workshop on Institutional Digital Repository (IDR) for National Digital Library (NDL) at ABV-IIITM Gwalior during 09/02/2017 to 10/02/2017.
 10. Dr. Santosh Kumar Gupta attended Workshop on Modeling and Simulation of Nano-Transistors at IIT Kanpur during 13/02/2017 to 17/02/2017.
 11. Dr. Sanjeev Rai attended International Conference on ICPCES 2017 at Allahabad, India during 09/03/2017 to 11/03/2017.
5. Dr. Rajeev Tripathi Worked as expert member of selection committee for faculty recruitment at NIT Jaipur, NIT Raipur, NIT Nagpur, and Dr. APJ Abdul Kalam Technical University, Lucknow
 6. Dr. Rajeev Tripathi Worked as chairman of the recruitment committee for the recruitment of different technical positions at different levels for Software Technology Parks of India (STPI).
 7. Dr. Yogendra Kumar Prajapati received Sir Visvesvaraya Young Faculty Research Fellowship Award, from Ministry of Electronics and Information Technology, New Delhi, India on 2016.

10.9 GIS CELL

Vision

To establish an identity in the area of geoinformatics amongst national and international academic and research organizations through knowledge creation, acquisition and dissemination for the benefit of Society and National development.

Mission

To provide quality education and interdisciplinary research leading to M.Tech.and Ph.D. degree in GIS and Remote Sensing, which produces globally acceptable skilled manpower. To generate and disseminate knowledge and technologies essential to the local and global needs in the field of geoinformatics.

List of Laboratories

- (i) Geoinformatics Laboratory -I
- (ii) Geoinformatics Laboratory -II

Courses Run by Department

M. Tech. (GIS & Remote Sensing) and Ph.D. (GIS & Remote Sensing)

Other Information

1. Dr. Rajeev Tripathi Worked as subject expert in the Recruitment and Assessment centre of DRDO.
2. Dr. Rajeev Tripathi Worked as expert member of Electronics and Communication Engineering in National Board of Accreditation.
3. Dr. Basant Kumar received Sir Visvesvaraya Young Faculty Research Fellowship by Department of Electronics & Information Technology (DeitY) Govt. of India.
4. Dr. Basant Kumar National Doctoral Fellowship (NDF) by AICTE.

List of M. Tech. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Nitesh Nandan	2014GI02	Preservation of heritage using terrestrial laser scanner: A case study of temple mapping	Mr. Manohar Yadav
2.	Charudatta G. Chousalkar	2014GI17	Transmission line detection using mobile LiDAR data	Mr. Manohar Yadav
3.	Adil Khan	2014GI04	Road detection using satellite images	Mr. Manohar Yadav
4.	Antariksh Jatav	2014GI19	Geospatial Mapping Of Emergency Services	Ms. Sonam Agarwal
5.	Ajay Kumar Maurya	2014GI18	Development of SOA based Geospatial Services for Agrochemical Distribution	Ms. Sonam Agarwal

6. Raghvendra Pratap Mall 2014GI08 Devolvement of WebGIS for Allahabad City Ms. Sonam Agarwal Schools

Publications in International Journals

1. M. Yadav, B. Lohani, A. K. Singh and A. Husain, "Identification of pole-like structures from mobile lidar data of complex road environment", International Journal of Remote Sensing, vol.37, Issue 20, pp.4748-4777, 09/2016, Published by Taylor & Francis. (SCI, IF = 1.73).
2. R. Dwivedi, A. B. Narayan, A. Tiwari, A. K. Singh, and O. Dikshit, "Optimal estimation of interferometric phase for measuring surface deformation", International Journal of Remote Sensing, vol.38, Issue 5, 01/2017, Published by Taylor & Francis. (SCI, IF = 1.724).
2. Sonam Agrawal and R. D. Gupta, "School Mapping and Geospatial Analysis of the Schools in Jasra Development Block of India", The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XLI-B2, 2016 XXIII ISPRS Congress, Prague, Czech Republic, pp.1-5, 07/2016, Published by ISPRS.
3. M. Yadav, A. K. Singh and B. Lohani., "Road Geometry Parameters Computation using Mobile Terrestrial Laser Scanning", Transportation Planning and Implementation Methodologies for Developing Countries (12th TPMDC), IIT Bombay, pp.1-12, 12/2016, Published by <http://www.civil.iitb.ac.in/tpmdc/poster1.phtml>.

Publication in International Conferences

1. D. Pandey, R. Dwivedi, O. Dikshit, and A. K. Singh, (2016), "GPS and GLONASS combined static Precise Point Positioning (PPP)", XXIII ISPRS Congress 2016, Prague, Czech Republic, 06/2016, Published by International Archives of the Photogrammetry, Remote Sensing and Spatial Information Science.
4. M. Yadav and A. Khan, "Automatic Road Detection using Satellite Images", International Conference on Recent Trends in Engineering and Technology, Pattaya, pp.17-22, 12/2016, Published by Dignified Researchers Publication (DIRPUB).

Reviewer in International Journal

Sl. No.	Name	Journal Name
1.	Mr. Manohar Yadav	Journal of Surveying Engineering Journal of Applied Remote Sensing

Invited Lectures Delivered

1. A lecture is delivered by Mr. Manohar Yadav at NNRMS sponsored course on RS&GIS applications, Photogrammetry & Remote Sensing Department, IIRS Dehradun on 09/05/2016 entitled design and development of Mobile Mapping System.

Countries (12th TPMDC) at IIT Bombay on/during 19/12/2016 to 21/12/2016

Other Relevant Information

1. Mr. Manohar Yadav received session best paper award- for paper titled "Automatic Road Detection using Satellite Images" presented in International Conference on Recent Trends in Engineering and Technology held in Pattaya (Thailand) on 12/2016

Events Attended

1. Mr. Manohar Yadav attended International conference on International Conference on Recent Trends in Engineering and Technology at Pattaya on/during 14/12/2016 to 16/12/2016
2. Mr. Manohar Yadav attended International conference on Transportation Planning and Implementation Methodologies for Developing

10.10 DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

Vision

To be a provider of nationally competitive, high quality skilled human resource in promotion of socio-economic and developmental activities, appropriate to the enrichment of quality of life of

the common people, along with achieving the target of sustainable growth.

Mission

To inculcate socio-economic and cultural ethos amongst the budding young professionals by enhancing their competence and efficiency.

List of Laboratories

- (i). English Language Laboratory

Courses Run by Department

- (i) Master of Social Work
- (ii) Ph.D.

Publication in International Journals

1. Nikhil Yadav, Ravindra Tripathi and Rajesh Kumar Shastri, (2016) "Financial inclusion through good governance in India: A case of Pradhan Mantri Jan Dhan Yojana," International Journal of Academic Research and Development, vol.1(2), pp. 01-04, ISSN 2455-4197 (IF=5.22).
2. Nikhil Yadav, Ravindra Tripathi and Rajesh Kumar Shastri, (2016) "Polythene and plastic waste management: coping strategy for health and environment hazards," Indian Journal of Environment Protection, vol. 36(4), pp.324-331, ISSN 0253-7141.
3. Ravindra Tripathi, Rajesh Kumar Shastri and Nikhil Yadav, (2016) "Financial inclusion in India through Pradhan Mantri Jan Dhan Yojana: An empirical analysis of statistical evidence" published in Indian Journal of Finance, Vol.10 (10), pp 42-50, ISSN: 0973-8711.
4. Ravindra Tripathi, Priyanka Tandon and A. B. Singh (2016) "Impact of Key Macroeconomic Variables on Movement of the Indian Stock Market with Reference to BSE Sensex" published in Indian Journal of Finance, Vol.10(6), pp 38-50, ISSN: 0973-8711.
5. Ravindra Tripathi & Priyanka Tandon (2016) "Basel III Norms and Readiness of Commercial Banks: A Panel Study with Special Reference to Public Sector Banks in India" published in Business Perspectives, Vol.15 (2) pp 74-81, ISSN: 0972-7612.
6. I. Ahmad, and J. Sinha, (2016) A study on relationship between macro-economic variables and M stock market performance with reference to BSE- Sensex. IJAR, 2(2), 10-13.
7. I. Ahmad and J. Sinha, (2016), Globalization meltdown & its impact on SME sector in India: A case study of Bank of Baroda. IJAR, 2(2), 14-17.
8. A. Sinha, (2016) Impact of stress on level of Motivation of employees: A correlation study- International Journal of Research in Economic and Social Sciences (IJRESS), vol. 6 Issue 12, December-2016, pp. 59-66 ISSN(o): 2249-7382 (IF:6.225).
9. A. Sinha, (2016). Aftermath of demonetization on Rural Population- International Journal of Research in Economics and Social Sciences (IJRESS) vol. 6 Issue 12, December-2016, pp. 59-66 ISSN(o): 2249-7382 (IF:6.225).
10. A. Sinha, (2016) Persons with Disabilities in Mainstream: A Collective Effort- International Journal of Research in Economics and Social Sciences (IJRESS) vol. 6 Issue 12, December-2016, pp. 90-96 ISSN (o): 2249-7382 (IF:6.225).

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	M. K. Singh & N. Banerji	Modernization in society Upcoming Trends.	Development Communication and Governance of three Ahmadabad. major Schemes in India- A Comparison	Sara Book Publication ISBN: 978-1-73035-617-9
2.	A. Sinha	Modernization in society Upcoming Trends	Digitization in Indian Economy: A Longer Way to Pursue	Sara Book Publication ISBN: 978-1-73035-617-9
3.	A. Sinha,	Way forward to Skill India: Reforms, Challenges & Imperative	A SWOT study of Skill Development among Potential Women Entrep-	ISBN no. (Print) 978-93-5267-774-0; ISBN No. (Online) 978-93-

4.	J. Sinha, & I. Ahmad,	Asia-Pacific Conference on Economics & Finance 2016	reneurs in Rural Areas Prospect for Mutual Fund Industry in India: comparative study with respect to US	5267-773-3 Singapore: Springer Singapore Pvt. Ltd. ISBN: 978-98-11035-65-4
5.	R. Tripathi & A. A. Syed	Modernization in society Upcoming Trends	Demonetization-It's after effect and Digital Paradigm	Sara Book Publication Ahmadabad. ISBN: 978-1-73035-617-9
6.	R. Tripathi, N. Yadav & R. K. Shastri	Modernization in society Upcoming Trends	Universal Basic Income in India: Modern Approach of eradication of Inequality and Poverty	Sara Book Publication Ahmadabad. ISBN: 978-1-73035-617-9

10.11 DEPARTMENT OF MATHEMATICS

Vision

Achieving excellence in Teaching–Learning and Research among National and international academic and research organizations to nurture mathematics for engineering and as an independent science.

Mission

Mathematics department will achieve its vision by offering well–balanced curriculum to acquire

professional competencies and transferable skills bringing innovations in Teaching–Learning process through effective content delivery and appropriate assessment methods catalyzing the research activities of both faculty members and students through research projects etc.

Course run by Department

- (i) PG- M.Sc. in Mathematics and Scientific Computing
- (ii) Ph.D.

List of M. Sc. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Swati Rawal	2014MSC14	A Study of RSA and It's Variants	Dr. Sahadeo Padhye
2.	Satyam Kumar	2014MSC03	Jacobian Conjecture	Dr. Shiv Datt Kumar
3.	Jayati Tripathi	2014MSC07	MHD Triple Diffusive Free Convection of Nanofluid Flow over a Vertical Stretching Sheet	Dr. Buddakkagari Vasu
4.	Rupali Pandey	2014MSC06	Mean Value Theorems	Dr. Sahadeo Padhye
5.	Saraswati Bajaj	2014MSC02	Graph theory of Commutative Algebra	Dr. Shiv Datt Kumar
6.	Preeti	2014MSC11	Bio-Convection Flow of Casson Fluid With Nanoparticles	Dr. Buddakkagari Vasu

Publication in International Journals

1. G. Nath and P. K. Sahu, "Unsteady adiabatic flow behind a cylindrical shock in a rotational axisymmetric non-ideal gas under the action of monochromatic radiation," *Procedia Engineering*, vol.1226, pp.1226-1233, 05/2016, Published by Elsevier. (SCI)
2. Sushil Kumar, Priyamvada Singh, Pitam Singh, Shubhasmita Biswal and Mahesh Prasad, "Frequency dependent attenuation characteristics of coda waves in the northwestern Himalayan (India) region", *Journal of Asian Earth Sciences*, vol.117, Issue 5, 05/2016, Published by Elsevier. (SCI , IF = 2.335)
3. Mukesh Kumar, Raj Kumar and Anshu Kumar, "Similarity solutions of the Konopelchenko-Dubrovsky system using Lie-group theory", *Computers & Mathematics with Applications*, vol.71, Issue 10, pp.2051-2059, 05/2016, Published by Elsevier. (SCI , IF = 1.531)
4. Srinivasrao Thota and Shiv Datt Kumar, "On a new symbolic algorithm for polynomial interpolation with integral conditions", *TWMS Journal of pure and*

- applied mathematics, pp.In Press, 05/2016, Published by Natural Science Publishing.
5. Mamta Balodi, Hua-Lin Huang and Shiv Datt Kumar, "Diamond lemma for the group graded quasi-algebras", Proceedings - Mathematical Sciences (Indian Academy of Science), vol.126, Issue 3, pp.341-352, 07/2016, Published by Springer Publication. (SCI , IF = 0.260)
 6. Rama S. R. Gorla, B Vasu and PVSN Murthy, "Thermophoresis Particle Deposition In Transient Convective Mass Transfer And Viscoelastic Flow With Variable Thermal Conductivity and Soret/Dufour Effects", Thermal Energy and Power Engineering, vol.4, pp.1-21, 07/2016, Published by American V-King Scientific Publishing.
 7. G. Nath and P. K. Sahu, "Similarity solution for the flow behind a cylindrical shock under the action of monochromatic radiation in a rotational axisymmetric perfect gas with magnetic field", Ain Shams Engineering Journal, pp.https://do, 07/2016, Published by Elsevier. (SCI)
 8. Rama Subba Reddy Gorla, Buddakkagari Vasu and Sadia Siddiqa, "Unsteady Convective Heat Transfer to a stretching surface in a non-Newtonian nanofluid", Journal of Nanofluids, vol.5, Issue 4, pp.581-594, 08/2016, Published by American Scientific Publishers. (SCI)
 9. G. Nath and P. K. Sahu, "Flow behind an exponential shock in a rotational axisymmetric perfect gas with magnetic field and variable density", SpringerPlus, vol.5, pp.1509, 09/2016, Published by Springer. (SCI , IF = 0.982)
 10. S. K. Upadhyay, Shiv Datt Kumar and Raja Sridharan), "Connection between commutative algebra and topology", Indian Journal of Pure and Applied Mathematics, vol.47, Issue 3, pp.471-489, 09/2016, Published by Elsevier Publication. (SCI , IF = 0.233)
 11. Srinivasrao Thota and Shiv Datt Kumar, "On a mixed interpolation with integral conditions at arbitrary nodes", Cogent Mathematics, vol.3, Issue 1, pp.1-10, 10/2016, Published by Taylor and Francis Publication. (Scopus)
 12. Peri K. Kameswaran, B. Vasu, P.V.S.N. Murthy and Rama S R Gorla, "Mixed Convection from a Wavy Surface Embedded in a Thermally Stratified Nanofluid saturated Porous Medium with non-Linear Boussinesq Approximation", International Communications in Heat and Mass Transfer, vol.77, pp.78-86, 10/2016, Published by elsevier. (SCI , IF = 3.718)
 13. G. Nath and J. P. Vishwakarma, "Propagation of magnetogasdynamic spherical shock wave in a non-ideal gas under the influence of gravitational field with conductive and radiative heat fluxes", Acta Astronautica, vol.128, pp.377-384, 12/2016, Published by Elsevier. (SCI , IF = 1.536)
 14. Srinivasrao Thota and Shiv Datt Kumar, "Symbolic algorithm for a system differential algebraic equations", Kyungpook Mathematical Journal, vol.56, Issue 4, pp.1141-1160, 12/2016, Published by Department of Mathematics, Kyungpook National University. (Scopus)
 15. Sonika Singh and Sahadeo Padhye, "Generalization of NTRU Cryptosystem", Security and Communication Network, vol.9, Issue 18, pp.6315-6334, 12/2016, Published by Wiley Pylbication. (SCI , IF = 1.067)
 16. J. P. Vishwakarma, G. Nath and R. Kumar Srivastava, "Self-similar solution for cylindrical shock waves in a weakly conducting dusty gas", Ain Shams Engineering Journal, pp.na, 01/2017, Published by Elsevier. (SCI)
 17. G. Nath and Sumeeta Singh, "Flow behind magnetogasdynamic exponential shock wave in self-gravitating gas", International Journal of Non-Linear Mechanics, vol.88, Issue 1, pp.102-108, 01/2017, Published by Elsevier. (SCI, IF = 2.074)
 18. P. K. Yadav, S. Deo, S. P. Singh and A. N. Filippov, "Effect of Magnetic Field on the Hydrodynamic Permeability of a Membrane Built up by Porous Spherical Particles", Colloid Journal, vol.79, Issue 1, pp.160-171, 02/2017, Published by Springier. (SCI, IF = 0.859)
 19. Mukesh Kumar and Raj Kumar, "Soliton solutions of K D system using similarity transformations method", Computers & Mathematics with Applications, vol.73, Issue 4, pp.701-712, 02/2017, Published by Elsevier. (SCI, IF = 1.531)
 20. G. Nath and A. K. Sinha, "Non-similarity solution for shock waves in a rotational axisymmetric gas with magnetic field and density varying exponentially", Journal of Engineering Physics and

Thermophysics, vol.90, Issue 1, pp.187-197, 02/2017, Published by Springer. (SCI)

21. G. Nath and P. K. Sahu, "Self-similar solution of a cylindrical shock wave under the action of monochromatic radiation in a rotational axisymmetric dusty gas", Commun. Theor. Phys., vol. 67, Issue 3, pp.327-336, 03/2017, Published by IOP. (SCI, IF = 0.989)
22. B. Vasu, Rama S R Gorla, V. R. Prasad and O. Anwar Beg, "Chemical Reaction on Heat and Mass Transfer Flow Past a Vertical Cylinder Embedded in non-Darcy Porous Medium", Heat Mass Transfer Research Journal, vol.1, Issue 1, pp.24 pages, 03/2017, Published by Canadian science and research group.
23. G. Nath and A. K. Sinha, "Magnetogasdynamic shock waves in non-ideal gas under gravitational field-isothermal flow", International Journal of Applied and Computational Mathematics, vol.3, Issue 1, pp.225-238, 03/2017, Published by Springer.

Publication in Conferences

1. G. Nath and P. K. Sahu, "Unsteady adiabatic flow behind a cylindrical shock in a rotational axisymmetric non-ideal gas under the action of monochromatic radiation," proc. of ICOVP 2015, 12th International Conference on Vibration Problems, December 14-17, 2015, IIT Guwahati, India, Procedia Engineering vol. 144, pp.1226–1233, 2016.

Publication in International Conferences

1. Sahadeo Padhye and Namita Tiwari, "Efficient ID-Based Proxy Blind Signature with Pairing Free Realization", 3rd International Conference on Innovative Engineering Technology (ICIET'2016), Rajamangala University of Technology Thanyaburi, Bangkok, Thailand, pp. 40-43, 08/2016, Published by International Institute of Engineers (IIE).
2. Sonika Singh and Sahadeo Padhye, "Cryptanalysis of NTRU with n Public Keys", IEEE Asia Security and Privacy Conference 2017, CED NIT Surat (Gujrat), pp.CED NIT Su, 01/2017, Published by IEEE explore.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Buddakkagari Vasu	International Journal of Applied Mathematics and Mechanics Journal of Applied Fluid Mechanics Open Thermodynamics Journal Journal of Computational Design and Engineering Proceedings of the National Academy of Sciences, India Section A: Physical Sciences International Journal of Fluid Mechanics Research Ain Shams Engineering Journal International Journal of Numerical Methods for Heat and Fluid Flow International Conference on Computational Heat and Mass Transfer – 2015 Neural Computing and Applications Thermal Science and Engineering Progress Heat and Mass Transfer International Journal Heat and Mass Transfer Journal of Thermophysics and Heat Transfer Journal of Nanofluids Indian Journal of Physics
2.	Dr. Shiv Datt Kumar	Turkish Journal of Mathematics Communications in Algebra Springer Plus, SCI Joournal Mathematical Reviews/MathSciNet (Reviwer No. - 098594). International Journal of Information Technology & Decision Making

		National Academy Science Letters Journal of Computational Science Journal of Computational Science
3.	Dr. Gorakh Nath	Physics of Fluid Acta Astronautica Geophysical and Astrophysical Fluid Dynamics Journal of Astrophysics and Astronomy Computer & Mathematics with Application Communication in Nonlinear Sci. Numerical Simulation
4.	Dr. Sahadeo Padhye	Transactions on Emerging Telecommunications Technologies Journal of Internet Technology Information Security Journal: A Global Perspective International Journal of Computer Mathematics: Computer Systems Theory International Journal of Communication system International Journal of Information security Science Asia Security and Privacy Conference National workshop on cryptography

Invited lecture Delivered

- | | |
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| <p>1. A lecture is delivered by Dr. Shiv Datt Kumar at National conference "Recent Trends in Mathematical Sciences" (NCRTMS-16) during 12-13 April, 2016, Madan Mohan Malviya Technical University, Gorakhpur on 12/04/2016 entitled Some Applications of Mathematics in Today's Technology in the National conference "Recent Trends in Mathematical Sciences" (NCRTMS-16).</p> <p>2. A lecture is delivered by Dr. Gorakh Nath at national conference NCRTMS-16, Organized by Department of Mathematics, DDU Gorakhpur, University, 23-24, July 2016, Head, Mathematics DDU GKP University on 24/07/2016 entitled Theory of hyperbolic waves and weak solution.</p> <p>3. A lecture is delivered by Dr. Buddakkagari Vasu at Modeling and Optimization of Chemical and Biochemical processes (MOCBP-2017), Deptt. of Chemical Engineering, MNNIT on 20/01/2017 entitled Keller-Box Finite Difference Solution for Boundary Layer Flow due to a Moving Plate.</p> <p>4. A lecture is delivered by Dr. Sahadeo Padhye at Cryptography: Foundations and New Directions in</p> | <p>Research, sree vidyanikethan engineering college (Autonomous) Sree Sainath Nagar, A. Rangampet, Tirupati (AP) on 16/02/2017 entitled Public Key Cryptosystems.</p> <p>5. A lecture is delivered by Dr. Sahadeo Padhye at Cryptography: Foundations and New Directions in Research, sree vidyanikethan engineering college (Autonomous) Sree Sainath Nagar, A. Rangampet, Tirupati (AP), on 17/02/2017 entitled Digital Signature.</p> <p>6. A lecture is delivered by Dr. Buddakkagari Vasu at National Workshop on Emerging Trends in Mathematical Modelling and Computing, Department of Mathematics on 24/03/2017 entitled Mathematical Modeling of Stenosis in an Artery.</p> <p>7. A lecture is delivered by Dr. Gorakh Nath at national workshop ETMMAC-2017, on 24 March 17, Organized by Department of Mathematics, MNNIT Allahabad, 23-25, March 2017, Chairman ETMMAC-2017 on 24/03/2017 entitled Generalization of notion of solution of PDE and weak solution.</p> |
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Events Organized by Department

Sl. No.	Type	Title	From	To
1.	National conference	Convener of National Conference on "Recent Trends in Mathematical Sciences, Department of Applied Science (Mathematics), MMM University of Technology, Gorakhpur	12/04/2016	13/04/2016
2.	One Week Short Term Course	Role of Mathematical Sciences in Engineering and Technology (RMSET-2016), Department of Mathematics,	19/10/2016	23/10/2016

		MNNIT, Allahabad	
3.	One Day National Seminar	Soft Computing in Bio-Science and Bio-Engineering, MNNIT Allahabad	22/03/2017 22/03/2017
4.	Workshop	National Workshop on Emerging Trends in Mathematical Modelling and Computing (ETMMAC-2017), MNNIT Aild.	23/03/2017 23/03/2017

Events Attended

1. Dr. Gorakh Nath attended National Conference on NCRTMS-2016 at MMM University of Technology, Gorakhpur during 12/04/2016 to 13/04/2016.
2. Dr. Gorakh Nath attended Workshop on Workshop on Application of Physical Sciences in Engineering at MMMUT, Gorakhpur during 02/07/2016 to 08/07/2016.
3. Dr. Gorakh Nath attended National conference on NCRTMS-16 at DDU G.K.P. University during 23/07/2016 to 24/07/2016.
4. Dr. Sahadeo Padhye attended International Conference on 3rd International conference on Innovative Engineering Technology (ICIET'2016) at Rajamangala University of Technology Thanyaburi, Bangkok, Thailand during 05/08/2016 to 06/08/2016.
5. Dr. Buddakkagari Vasu attended International Conference on 20th Australasian Fluid Mechanics Conference at The University of Western Australia, per during 05/12/2016 to 08/12/2016.
6. Dr. Buddakkagari Vasu attended National Conference on International Conference on Advances in Mechanical, industrial, Automation and Management Systems (AMIAMS-2017) at Motilal Nehru National Institute of Tech during 03/02/2017 to 05/02/2017.
7. Dr. Gorakh Nath attended International Conference on IEEE Int. Conf. on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017) at MNNIT Allahabad during 03/02/2017 to 05/02/2017.
8. Dr. Gorakh Nath attended National Conference on 32nd Annual Conf. of "The Mathematical Society, BHU" on "Recent Trends in Mathematical Analysis and Its Applications at BHU during 17/02/2017 to 18/02/2017.

Other Relevant Information

1. Dr. Shiv Datt Kumar become Member, Board of Studies of Mathematics Department, Bundelkhand University, Jhansi from 2014 to 2016 on 07/2014.
2. Dr. Shiv Datt Kumar become Member of Board of Studies of Mathematics of APJ Technical University Uttar Pradesh, Lucknow on 06/2016.

10.12 DEPARTMENT OF MECHANICAL ENGINEERING

Vision

To be a centre of excellence in Mechanical Engineering education and research for the benefit of global society and humanity.

Mission

To educate and develop human resources for industry, academia and research and development. To push the frontiers of search skills in graduates and develop new paradigms in research for PG and Ph. D. programs. To develop products, processes and technology for the benefit of the society in collaboration with industry and commerce. To enhance the efforts for preparing job ready engineers and competent entrepreneurs.

List of Laboratories

- (i) Automobile Engineering Laboratory
- (ii) Computational and Industrial Engineering Lab
- (iii) Computer Aided Design Laboratory
- (iv) Computer Aided Manufacturing Laboratory
- (v) Heat And Mass Transfer Laboratory
- (vi) Instrumentation Laboratory
- (vii) Internal Combustion Engine Laboratory
- (viii) Machine Elements Laboratory
- (ix) Machine Tools And Advanced Machining Laboratory
- (x) Materials Characterization Laboratory
- (xi) Mechanical System Design Laboratory
- (xii) Mechatronics and Virtual Instrumentation Laboratory
- (xiii) Metrology Laboratory
- (xiv) Product Design and Manufacturing Laboratory
- (xv) Refrigeration and Air Conditioning Laboratory

(xvi) Steam Engine Laboratory

Courses run by Department

(i) B.Tech. (Mechanical Engineering)

(ii) B.Tech. (Production and Industrial Engineering)

(iii) M.Tech. (Design Engineering)

(iv) M.Tech. (Production Engineering)

(v) M.Tech. (Computer Aided Design and Manufacturing)

(vi) M.Tech. (Product Design and Development)

(vii) M.Tech. (Thermal Engineering)

(viii) Ph.D. programmes

List of M. Tech. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Name of Supervisor(s)
1.	Avinash	2014DN12	Vibration Characteristic of cantilever beam with piezo-patches	Dr. Rabindra Kumar Patel
2.	Durgesh Nandal Pandey	2013PTPR09	Magnetic Abrasive Finishing Process for Flat Surface Set-up Development and Parametric Study	Dr. Avanish Kumar Dubey
3.	Seemab Akhtar	2014TH11	Designing and Thermal Modeling of Photovoltaic based Solar Water Heater	Dr. Rahul Dev
4.	Amit Kumar Singh	2014PD01	Assessment Of Performance Of Modified Solar Greenhouse Dryer	Dr. Rahul Dev
5.	Umesh Kumar Singh	2014PR09	Numerical Investigation of HAZ and Thermal stress During Laser Welding of Advanced material	Dr. Avanish Kumar Dubey
6.	Arjun Diwakar	2014TH01	Heating/Cooling of a Room with Phase Change Material	Dr. Rahul Dev
7.	Sudeep Kumar Gautam	2014PR04	Numerical Study of Hole Geometry and HAZ in Laser Percussion Drilling	Dr. Avanish Kumar Dubey
8.	Pankaj Yadav	2014TH08	Comparative Study of Different Solar Stills	Dr. Rahul Dev
9.	Ravish Ranjan	2014PD03	Product Packaging in India –Challenges & their solutions.	Dr. H. S . Goyal
10.	Sunil Singh Rana	2014TH10	Short sisal fibre reinforced epoxy composite: Thermal and Dynamic mechanical analysis	Dr. Manoj Kumar Gupta
11.	Shambhu Kumar	2014DN06	Study of mechanical properties functionally graded polymer nanocomposites	Dr. Rabindra Kumar Patel
12.	Swati Kumari	2014PD02	Investigation on Present conditions of Government Primary School for possible solutions as a product designer	Dr. H. S . Goyal
13.	Chandra Kishore Yadav	2014TH09	Effect of Lubricating Oils on Hydrocarbon Emission in SI Engines	Dr. Samir Saraswati
14.	Ashish Kumar Singh	2014TH13	Stability and Performance Analysis of DEE blended Dieshol fuel in CI Engine	Mr. Jitendra Narayan Gangwar
15.	Kunwar Rohit	2014PR10	Investigations on glass fibre reinforced epoxy composite	Dr. Manoj Kumar Gupta
16.	Rahul Sharma	2014PD07	Parametric effect and optimization of hardness during dry turning process	Dr. Rabindra Kumar Patel
17.	Mohit Bajpai	2014PD10	Investigations for possible improvements of comfort conditions in ordinary public transport vehicles.	Dr. H. S. Goyal
18.	Vikas Kumar	2014TH15	Stability and Performance Analysis of CI engine fuelled with DME based Dieshol blend	Dr. Samir Saraswati

19.	Punit Kumar Sonker	2014PR21	Copper and graphite electrode performance in EDM of die steel	Dr. Manoj Kumar Gupta
20.	Praveen Kumar Yadav	2014DN13		Dr. Jagadish Chandra Mohanta
21.	Manish Kumar	2014TH06	Design of down draft biomass gasifier and equilibrium modelling for different biomass fuels	Dr. Bireswar Paul
22.	Abhisek Raj	2014PD17		Dr. J C Mohanta
23.	Sachin Kumar Garg	2014TH02	Numerical simulation of convection heat transfer using nanofluid in a circular tube: A two phase flow approach	Dr. Bireswar Paul
24.	Anurag Bharti	2014CC15	Finite Element Modelling of Polymer Nanocomposites Based Adhesively Bonded Metal Joints	Mr. Sunil Kumar Gupta
25.	Pradeep Kumar Yadav	2014PR06	Selection of Parameters for Friction Stir Welding of 6061-T6 Aluminum Alloy	Dr. M. K. Khurana
26.	Vikas Pandey	2014PR15	Risk Assessment in Project Management Using Fuzzy AHP	Dr. M. K. Khurana
27.	Pradeep Kumar Dhote	2014PD15		Dr. Jagadish Chandra Mohanta
28.	Abhisek Raj	2014PD17	Design of Intake Manifold and its Performance Analysis	Dr. Bireswar Paul
29.	Pranay Kumar	2014TH05	Enhancement of Performance and Emission of CI Engine using Additive based Diesel Fuel.	Mr. Jitendra Narayan Gangwar
30.	Dhake Kaustubh Ravindra	2014DN16	Toughening of Epoxy Adhesive with Alumina Nanoparticles in Bonded Metal Joints	Mr. Sunil Kumar Gupta

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- Rupesh Goyal, Avanish Kumar Dubey and B. N. Upadhyay, "An intelligent approach to quality improvement in laser trepan drilling of superalloy", *Lasers in Engineering* (Old City Publishing), vol.34, Issue 1, pp.15-41, 05/2016, Published by Taylor & Francis Group. (SCI, IF = 0.469)
- M. K. Gupta, "Thermal and dynamic mechanical analysis of hybrid jute/sisal fibre reinforced epoxy composite", *Journal of Materials: Design and Applications. Part-L*, 06/2016, Published by Sage. (SCI, IF = 0.746)
- M K Gupta and R K Srivastava, "A review on characterization of hybrid fibre reinforced polymer composite", *American Journal of Polymer Science & Engineering*, vol.4, pp.1-7, 06/2016, Published by Ivy Union Publishing.
- Pankaj Kumar Shrivastava and Avanish Kumar Dubey, "Modeling and multi-objective optimization of EDDG process using hybrid ANN-GA approach", *International Journal of Abrasive Technology*, vol.7, Issue 2, pp.226-245, 07/2016, Published by Inderscience Publishers (IEL). (Scopus, IF = 0.703)
- Manish Gupta and Akhilesh Kumar Choudhary, "An empirical study to assess the impact of various relationship dimensions on supplier relationship in Indian scenario", *International Journal of Indian Culture and Business Management*, vol.12, Issue 2, pp.255-272, 07/2016, Published by Inderscience.
- M. K. Gupta and R. K. Srivastava, "Mechanical properties of hybrid fibres-reinforced polymer composite: A Review", *Polymer-Plastics Techn. and Engineering*, vol.55, Issue 6, pp.626-642, 08/2016, Published by Taylor & Francis. (SCI, IF = 1.512)
- M. K. Gupta and R. K. Srivastava, "Properties of sisal fibre reinforced epoxy composite", *Indian Journal of Fibre & Textile Research*, vol.41, Issue 3, pp.235-241, 08/2016, Published By National Institute of Science Communication and Information Resources. (SCI, IF = 0.45)

8. M. K. Gupta and R. K. Srivastava, "Mechanical, thermal and water absorption properties of hybrid sisal/jute fibre reinforced polymer composite", *Indian Journal of Engineering & Materials Sciences*, vol.23, Issue 4, pp.231-238, 08/2016, Published by National Institute of Science Communication and Information Resources. (SCI, IF = 0.485)
9. K. Guru, T. Sharma, K. K. Shukla and S. B. Mishra, "Effect of Interface on the Elastic Modulus of CNT Nanocomposites", *Journal of Nanomechanics and Micromechanics*, vol.6, Issue 3, pp.04016004-1, 09/2016, Published by ASCE. (SCI, IF=1.60)
10. Manish Kumar, Bireswar Paul and Dhananjay Singh Yadav, "Effect of moisture content and equivalence ratio on the gasification process for different biomass fuel", *International Journal of Mechanical Engineering & Technology*, vol.7, Issue 6, pp.209-220, 11/2016, Published by IAEME Publication. (Scopus)
11. Jitendra N. Gangwar and Samir Saraswati, "Design and Numerical simulation of Partial Flow Isokinetic Dilution Tunnel for Diesel Particulate Measurement", *International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE)*, vol.1, Issue 8, 12/2016, Published by IJERMCE.
12. B. Venu and V. R. Komma, "STEP-Based Feature Recognition from Solid Models having Non-Planar Surfaces", *International Journal of Computer Integrated Manufacturing*, vol.30, Issue 10, pp.1011-1028, 12/2016, Published by Taylor and Francis. (SCI, IF = 1.949)
13. J. C. Mohanta and Anupam Keshari, "A Knowledge Based Fuzzy-Probabilistic Roadmap Method for Mobile Robot Navigation", *Applied soft computing*, 01/2017, Published by An Elsevier Journal. (SCI)
14. Ram Singar Yadav and Vinod Yadava, "Performance study of Electrical discharge diamond faces surface grinding (EDDFSG) on hybrid metal matrix composite", *Journal of Mechanical Science and Technology*, vol.31, Issue 1, pp.317-325, 01/2017, Published by Springer. (SCI, IF = 1.128)
15. Jagadish Chandra Mohanta, Dayal Ramakrushna Parhi and Saroj Kumar Patel, "Path planning strategy for autonomous mobile robot navigation using Petri-GA optimization", *Computers and Electrical Engineering*, vol.37, pp.1058-1070, 01/2017, Published by An Elsevier Journal. (SCI)
16. M. Manikandan, Samir Saraswati and K. Anantha krishnan, "CFD analysis of fluid flow inside a pentroof combustion chamber with different piston shapes", *International Journal of Vehicle Design*, vol.73, Issue 4, pp.281-299, 01/2017, Published by Inderscience. (SCI, IF = 0.41)
17. Syed Abbas Ali and Samir Saraswati, "A comparison of sliding mode and FRF-based observers for cylinder pressure estimation of spark ignition engine", *Transactions of the Institute of Measurement and Control*, vol.39, Issue 2, pp.163-172, 02/2017, Published by Sage. (SCI, IF= 0.962)
18. M. K. Gupta and R. K. Srivastava, "Mechanical, thermal and dynamic mechanical analysis of jute fibre reinforced epoxy composite", *Indian Journal of Fibre & Textile Research*, vol.42, Issue 1, pp.64-71, 03/2017, Published by National Institute of Science Communication and Information Resources. (SCI, IF = 0.45)
19. Ravindra Nath Yadav and Vinod Yadava, "Artificial Neural Network Modeling of Erosion-Abrasion based Hybrid Machining of Aluminium-Silicon Carbide-Boron Carbide Composite", *International Journal of Engineering Systems Modelling and Simulation*, vol.9, Issue 2, pp.63-77, 03/2017, Published by InderScience. (Scopus)
20. Sunil Singh Rana, M. K. Gupta and R. K. Srivastava, "Effect of variation in frequencies on dynamic mechanical properties of short sisal fibre reinforced epoxy composite", *Materials Today: Proceedings*, vol.4, pp.3387-3396, 03/2017, Published by Elsevier. (Scopus, IF = 0.71)
21. Garima Kushwaha, Samir Saraswati and Bireswar Paul, "Effect of different lubricating oil on the adsorption/desorption process of fuel in oil layer in an SI engine", *Lubrication Sciences*, vol.29, Issue 2, pp.73-91, 03/2017, Published by Wiley. (SCI, IF = 1.031)
22. Manish Gupta and Akhilesh Kumar Choudhary, "An empirical study to assess the impact of various relationship dimensions on supplier relationship in Indian scenario", *International Journal of Indian Culture and Business Management*, vol.12, Issue

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Publications in National Conferences

1. D. Kumar and K. N. Pandey, "Thermo-structural analysis of sol-gel route based yttria stabilized tetragonal zirconia (YSTZ) powders for thermal barrier applications", Indian Journal of Chemical Technology, vol.24, pp.153-161, 03/2017, (SCI , IF = 0.568)

Publications in International Conferences

1. Rohit Kunwar, M. K. Gupta, Sunil Singh Rana and Md. Saddam Hussain, "Effect of layering on dynamic mechanical property of glass fibre reinforced epoxy composite", 2nd International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2016), I.T.S. Engineering College, Greater Noida, Delhi, 04/2016.
2. Nitesh Kumar Dixit, Rajeev Srivastava and Rakesh Narain, "Comparison of Two Different Rapid Prototyping System based on Dimensional Performance using Grey Relational Grade Method", 1st Global Colloquium in Recent Advancement and Effectual Researches in Engineering, Science and Technology (RAEREST-2016), St. Joseph's College of Engineering and Technology, Kottayam, 04/2016.
3. R. K. Srivastava and M. K. Gupta, "Thermal analysis of unidirectional jute fibre reinforced polymer composite", International Conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2016), Mahatma Gandhi University, Kottayam, Kerala, India, 05/2016.
4. Manish Kumar Singh, Dharmendra Kumar Shukla and Sunil Kumar Gupta, "Fracture Strength in Cleavage of Epoxy/Alumina Nanocomposite Adhesives in Bonded Aluminium Joints", International Conference on Nanotechnology for better living, NIT Srinagar- IIT Kanpur, 05/2016.
5. M. K. Gupta and R. K. Srivastava, "Hybrid natural fibres reinforced polymer composite: Thermal analysis", International Conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications

(ICM-2016), Mahatma Gandhi University, Kottayam, Kerala, India, 05/2016.

6. Abhishek Raj, J. C. Mohanta, Bireswar Paul and Mohd. Nayab Zafar, "Design of a new improved intake manifold for f-SAE car", 19th International Conference on Recent Development in Mechanical, Production, Industrial and Automobile Engineering (ICMPIAE 2016), technical research organisation india, 06/2016.
7. Nitesh Kumar Dixit, Rajeev Srivastava and Rakesh Narain, "Electroless Metallic Coating on Plastic Parts Produced by Rapid Prototyping Technique", International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM-2016), MLR Institute of Technology, Hyderabad, 07/2016.
8. K. N. Pandey and Yogesh R Gadekar, "Estimation of life of turbine blade considering the effect of creep", 2nd International Conference & Exhibition on Fatigue, Durability and Fracture Mechanics (Fatigue Durability India 2016), J N Tata Auditorium, Indian Institute of Science Bangalore., 09/2016.
9. Sunil Kumar Gupta, Dharmendra Kumar Shukla and Manish Kumar Singh, "Lap Shear Strength and Fracture Toughness of Epoxy/ Alumina Nanocomposite Adhesive in Bonded Aluminium Joints", EURADH 2016, University of Strathclyde, Glasgow, UK, 09/2016.
10. A. K. Sharma, A. Pandey, D. K. Shukla and K. N. Pandey, "Effect of self-Healing Dicyclopentadiene Microcapsules on Fracture Toughness of Epoxy", International Conference on Smart Engineering Materials ICSEM-2016, RVCE, Bengaluru, India, 10/2016.
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12. Pankaj Kumar Shrivastava and Avanish Kumar Dubey, "Parametric analysis, modeling and optimization of surface roughness during EDAG using CBN abrasive", International Conference on Soft Computing and Machine Intelligence (ICSMI 2016), Atlantis The Palm, Dubai, UAE, pp.1-4,

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13. Abhay Shankar Yadav and S. B. Mishra, "Slurry Erosion Wear Behaviour of Detonation Gun Sprayed Al₂O₃-13TiO₂ and Al₂O₃-40TiO₂ Coatings On SAE 431 Stainless Steel", The 4th International Conference on Advances in Materials & Materials Processing (ICAMMP-IV), IIT Kharagpur, 11/2016.
 14. Alok Mishra and S. B. Mishra, "An overview on the effect of sonication parameters on the metallurgical, mechanical and viscoelastic properties of multi-walled carbon nanotube/epoxy composites", The 4th International Conference on Advances in Materials & Materials Processing (ICAMMP-IV), IIT Kharagpur, 11/2016.
 15. Umesh Kumar Singh, Avanish Kumar Dubey and Anas Ahmed Siddiqi, "Numerical Study of Weld Characteristics in Laser Welding of Ti6Al4V", Proceedings of International Conference on Materials & Manufacturing (ICAMM-2016), Osmania University, Hyderabad, pp.115-121, 12/2016, Published by Conference Proceedings e-ISBN: 978-93-86256-19-5.
 16. Priyanka Joshi, Amit Sharma, Vinod Yadava and Yashwant Kumar Modi, "Multi-Objective Optimization of Kerf Quality Characteristics during Nd-YAG Laser Cutting of Ni-based Superalloy thin sheet using Hybrid Approach", 6th International All India Manufacturing Technology Design and Research Conference (AIMTDR-2016), College of Engineering Pune, 12/2016.
 17. Prashant Kumar Singh and S. B. Mishra, "Studies on Erosion Behaviour of SAE-208, SA-231-T12 Boiler Steels at Room Temperature", International Conference on Production and Industrial Engineering, CPIE-2016, Dr. B. R. Ambedkar National Institute of Technology Jalandhar-144011, India, 12/2016.
 18. Nitesh Gupta, V. R. Komma and Manish Gupta, "Agent-based Supply Chain Modelling using Anylogic Software", All India Manufacturing Technology Design & Research (AIMTDR) Conference, Department of Production Engineering and Industrial Management, College of Engineering, Pune, Maharashtra, India, pp.1744-1748, 12/2016, Published By Proceedings of 6th International and 27th All India Manufacturing Technology Design & Research (AIMTDR) Conference.
 19. A. Singh, R. Dev, "Performance Analysis of Direct Evaporative Cooler with Fin Structured Pads", Young Scientist Conclave, India International Science Festival (IISF) 2016, CSIR-NPL, 12/2016.
 20. Ram Singar Yadav and Vinod Yadava, "Comparative Study of Electrical Discharge Machining, Hybrid Abrasive Face and Peripheral Surface Grinding", 6th International All India Manufacturing Technology Design and Research Conference (AIMTDR-2016), College of Engineering Pune, 12/2016.
 21. Basanta Kumar Bhuyan, Vinod Yadava and Pravabati Bhuyan, "Development and Parametric Study of Travelling Wire Electro-Chemical Spark Machining Process for Machining of Borosilicate Glass", 6th International All India Manufacturing Technology Design and Research Conference (AIMTDR-2016), College of Engineering Pune, 12/2016.
 22. Amit Singh, Vinod Yadava, V. R. Komma, "Comparative Experimental Study of Performance of Magnetic Abrasive Finishing and Electrolytic Magnetic Abrasive Machining", All India Manufacturing Technology Design & Research (AIMTDR) Conference, Department of Production Engineering and Industrial Management, College of Engineering, Pune, Maharashtra, India, pp.549-552, 12/2016, Published By Proceedings of 6th International and 27th All India Manufacturing Technology Design & Research (AIMTDR) Conference.
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 24. Ashvarya Agrawal, Avanish Kumar Dubey and Pankaj Kumar Shrivastava, "Intelligent modeling and multi-objective optimization in powder mixed electric discharge diamond grinding of MMC", published in proceedings of 2016 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2016), Bali, Indonesia, pp.1036-1040, 12/2016, Published by

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25. Amit Singh, Vinod Yadava and V. R. Komma, "Comparative Experimental Study of Performance of Magnetic Abrasive Machining and Electrolytic Magnetic Abrasive Machining", 6th International All India Manufacturing Technology Design and Research Conference (AIMTDR-2016), College of Engineering Pune, 12/2016.
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 27. Om Prakash Gupta, Vinod Yadava and Nand Kishore, "Experimental Study of ECDM Process during Drilling of Hole in Glass Fiber Reinforced Epoxy Composite", 6th International All India Manufacturing Technology Design and Research Conference (AIMTDR-2016), College of Engineering Pune, 12/2016.
 28. A. Bharti and B. Paul, "Heat transfer analysis of solar parabolic trough collector", 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, MNNIT, Allahabad, pp.Paper ID, 12/2016, Published by Proceedings of the 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power.
 29. A. Singh and D. K. Shukla "Influence of Ferrite Fraction on Tensile Properties and Fatigue Crack Growth Behaviour of Nodular Cast Iron", 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2016), COE Pune, India, pp.1116-1120, 12/2016.
 30. Deepanshu Srivastava, V. R. Komma, "Generation of Conformance Class-1 level Step-NC (AP238) Code for Prismatic Parts", All India Manufacturing Technology Design & Research (AIMTDR) Conference, Department of Production Engineering and Industrial Management, College of Engineering, Pune, Maharashtra, India, pp.799-804, 12/2016, Published by Proceedings of 6th International and 27th All India Manufacturing Technology Design & Research (AIMTDR) Conference.
 31. Inayatullah, Rakesh Narain, "Mass Customization Practices in SMEs of India: An Exploratory Study of Furniture Industry", IMR Doctoral Conference (IMRDC 2017), Indian Institute of Management, Bengaluru, 01/2017.
 32. Arvind Katayayn and Praveen Kumar Agarwal, "Comparative analysis of Conical and Conventional Active Magnetic Bearings for complete support of a 5-dof rotor system", 2017 International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS), MNNIT Allahabad, 02/2017, Published by IEEE.
 33. Inayatullah, Rakesh Narain, "Counteracting the Barriers to Adoption of Mass Customization Practices in Indian SMEs: A Case of Furniture Industry", IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS 2017), MNNIT, 02/2017.
 34. Jitendra N. Gangwar, Samir Saraswati and Shivam Agarwal "Performance and Emission Improvement Analysis of CI Engine Using Various Additive Based Diesel Fuel" IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017), MNNIT, 02/2017, Published by IEEE.
 35. A. Bharti and B. Paul, "Design of solar parabolic trough collector", International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS) 2017, Department of Mechanical Engineering, MNNIT, Allahabad, pp.Paper ID-02/2017, Published by Proceedings of the International Conference on Advances in Mechanical, Industrial, Automation and Management Systems.
 36. A. Singh and R. Dev, "Theoretical and Experimental Analysis of Direct Evaporative Cooler with Fin Structured Pads", International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS 2017), MNNIT Allahabad, 02/2017.
 37. A. Venu and V. R. Komma, "Identification Of Thread Features From Helical Sweep Surfaces With Step Ap203 File – A Heuristic Approach", Advances in Mechanical, Industrial, Automation

- and Management Systems (AIMAMS-2017), Department of Mechanical Engineering, MNNIT Allahabad, India, pp.320-325, 02/2017, Published by Proceedings of an IEEE international conference.
38. Garima Kushwaha, Chandra Kishore, Bireswar Paul and Samir Saraswati, "Effect of engine oil properties on exhaust hydrocarbon emission", Proceedings of the 1st International and 18th ISME Conference, NIT Warangal, 02/2017, Published by ISME.
 39. D. Srivastava, V. R. Komma, "Development of Step-NC for Intelligent Machining", Advances in Mechanical, Industrial, Automation and Management Systems (AIMAMS-2017), Deptt. of Mechanical Engineering, MNNIT Allahabad, India, pp.331-337, 02/2017, Published by Proceedings of an IEEE international conference.
 40. Pawan Kumar Singotia and Samir Saraswati, "Study of Cycle-by-cycle Variations for SI Engine Using Nonlinear Dynamic System Theory", Proceedings of the 1st International and 18th ISME Conference, NIT Warangal, 02/2017, Published by ISME.
 41. Ashish K. Rathore and Rakesh Narain, "Incorporating Risk and Opportunities in Evaluation of Green Supplier: An AHP Based Approach", IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS 2017), MNNIT Allahabad, 02/2017.
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 43. G. Kumar, A. K. Chauhan and R. Dev, "Theoretical Analysis of Single Slope Passive Solar Still (SSPSS) in Summer Weather Conditions", International Conference on Innovations and development in Mechanical Engineering (IDME-17), KNIT Sultanpur, 03/2017.
 44. Arvind Katyayn and Praveen Kumar Agarwal, "Type-2 Fuzzy Logic Controller for Conical AMB-Rotor system", 4th International Conference on Power, Control and Embedded Systems (ICPES - 2017), MNNIT Allahabad, 03/2017, Published By IEEE.
 45. Sudhir Kumar Mishra, Dharmendra Kumar Shukla and Rabindra Kumar Patel, "Flexural Properties of Functionally Graded Epoxy-Alumina Polymer Nanocomposite", International Conference on Emerging Trends in Materials and Manufacturing Engineering (IMME17), NIT Trichy, pp.6, 03/2017, Published by Elsevier.
 46. G. Kumar, A. K. Chauhan and R. Dev, "A Review on Solar Stills", International Conference on Innovations and development in Mechanical Engineering (IDME-17), KNIT Sultanpur, 03/2017.
 47. M. K. Gupta and Rohit Singh, "Flexural and Dynamic Mechanical Analysis (DMA) of Polylactic Acid (PLA) Coated Sisal Fibre Reinforced Polyester Composite", International Conference on Materials Processing & Characterization (ICMPC), GRIET, Hyderabad, 03/2017, Published by Elsevier.
 48. G. Kumar, A. K. Chauhan and R. Dev, "Theoretical Analysis of Single Slope Passive Solar Still (SSPSS) in Winter Weather Conditions", International Conference on Innovations and development in Mechanical Engineering (IDME-17), KNIT Sultanpur, 03/2017.
 49. Amit Kumar, Pradeep K Yadav and M K Khurana, "Modelling and optimization of Gas metal arcwelding using Response Surface Methodology", 2nd International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering. ARIMPIE 2016 Elk Asia Pacific Journals, ITS Engineering College Greater Noida, 04/2016.
 50. Amit Kumar, Pradeep K Yadav and M. K. Khurana, "Optimization of Gas Metal Arc Welding process parameters", International Conference on Advances in Materials and Manufacturing Applications, Amrita Vishwa Vidyapeetham University Bangalore, 07/2016.
 51. Bhaskar Singh, M. K. Khurana, Gaurav Singh, "Selection and Optimisation of Gas Metal Arc Welding Process parameters Using Taguchi Method", 4th International Conference on Production & Industrial Engineering (CPIE-2016), Dr. Bheem Rao Ambedkar National Institute of Technology Jalandhar, 12/2016.
 52. Amit Kumar, Gaurav Singh and M. K. Khurana, "Experimental Modeling and Optimization of Gas Metal Arc Welding using Artificial Neural Network

and Genetic Algorithm", International Conference on Advanced in Materials & Manufacturing (ICAMM 2016), Osmania University, Hyderabad, 12/2106.

Publication in National Conferences

1. Pradeep Kumar Dhote, J. C. Mohanta and Mohd. Nayab Zafar, "Motion Analysis of Articulated Robotic Arm for Industrial Application", 19th International Conference on Recent Development in Mechanical, Production, Industrial and Automobile Engineering (ICMPIAE 2016), Delhi, 06/2016.
2. Praveen Kumar Yadav, J. C. Mohanta and S. R. Mohanty, "An Improved Path Planning Approach For Mobile Robot Navigation Based On Particle Swarm Optimization", 19th Int. Conference on Recent Development in Mechanical, Production, Industrial and Automobile Engineering (ICMPIAE 2016), Delhi, 06/2016.
3. M. Sharma and R. Dev, "Numerical Analysis of Parabolic Trough Collector for Solar Power Generation", National Conference on Advances in Thermal Engineering (NCATE2016), Sponsored by TEQIP-II, Jadavpur University Kolkata, 09/2016, Published by Jadavpur University Kolkata.
4. Amit Kumar, Pradeep K Yadav and M. K. Khurana, "Multi-response optimization of process parameters for GMAW by GRA and Taguchi Method", Indian Railways National Welding Seminar 2016, Indian Railways Welding Research Institute, DLW, Varanasi, 04/2016.
5. P. Pal and R. Dev, "Parametric Study of Modified Basin-Type Double Slope Multi-Wick Solar Still", National Conference on Advances in Thermal Engineering (NCATE2016), Sponsored by TEQIP-II, Jadavpur University Kolkata, 09/2016, Published by Jadavpur University Kolkata.
6. K. Tewari and R. Dev, "Thermal model and theoretical analysis of integrated photovoltaic solar water heating system with absorber coating on inner half of the tube", National Conference on Advances in Thermal Engineering (NCATE2016), Sponsored by TEQIP-II, Jadavpur University Kolkata, 09/2016, Published by Jadavpur University Kolkata.
7. Singh and R. Dev, "Experimental Analysis of Direct Evaporative Cooler with Fin-structured Pads", A National Conference on Renewable Energy Sources for Sustainable Climate (SOLARIS 2017), IIT-BHU, Varanasi, 02/2017, Published by IIT-BHU, Varanasi.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Samir Saraswati	Mathematical and Computer Modelling of Dynamical Systems Neural Computing and Applications International Journal of Engine Research Chemical Engineering Science International Journal of Modeling Identification and Control
2.	Dr. Avanish Kumar Dubey	Optics and Lasers in Engineering Machining Science and Technology Journal of Materials Processing Technology Measurement Science Review International Journal of Manufacturing Technology and Management International Journal of Precision Engineering and Manufacturing Journal of Mechanical Science and Technology Optics and Laser Technology Advances in Engineering Software Materials and Manufacturing Processes Journal of Intelligent and Fuzzy Systems International Journal of Machining and Machinability of Materials Lasers in Engineering International Journal of Advanced Manufacturing Technology Advances in Optical Technologies

3.	Dr. Jagadish Chandra Mohanta	Lasers in manufacturing and Materials Processing Vision Based Virtual Force Guidance for Tele-robotics system Computer Simulation and Dynamic Modelling of a Quadrupedal Pronking Gait Robot with SLIP Model
4.	Dr. Praveen Kumar Agarwal	Mechatronics Transactions of the Institute of Measurement and Control
5.	Dr. Suryanarayan B. Mishra	Materials and Design High Temperature Materials and Processes Acta Metallurgica Sinica Journal of Materials Engineering and Performance
6.	Dr. Manoj Kumar Gupta	American Journal of Materials Engineering and Technology International Journal of Physical Sciences American Journal of Mechanical Engineering Archives of Current Research International Current Applied Polymer Science Journal of Silicon British Journal of Applied Science & Technology International Journal of Technology Advances in Materials & Processing Technologies Indian Journal of Fibre & Textile Research
7.	Dr. M. K. Khurana	Plastics, Rubber and Composites: Macromolecular Engineering Journal of Advanced Manufacturing Systems Computer Simulation and Dynamic Modelling of a Quadrupedal Pronking Gait Robot with SLIP Model

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	M. K. Gupta	Natural fibre reinforced polymer composite: Materials, fabrication & dynamic mechanical analysis		LAMBERT Academic Publishing, Heinrich-Böcking-Str. 6-8, 66121 Saarbrücken, Germany

Invited Lectures Delivered

1.	A lecture is delivered by Dr. Praveen Kumar Agarwal at Short term course on Numerical and Optimization Technique (NOT-2016), Department of Civil Engineering, MNNIT Allahabad on 10/09/2016 entitled Fuzzy Logic System and its Applications.	4.	A lecture is delivered by Dr. Suryanarayan B. Mishra at Advances in Composite Materials (ACM-2016), on 24/10/2016 entitled Tribology of composites.
2.	A lecture is delivered by Dr. Rahul Dev at Faculty Development Programme on 'Recent Advances in Renewable Energy Technologies and Smart Microgrid', Kamla Nehru Institute of Technology, Sultanpur, U.P. India on 14/09/2016 entitled 'Solar Energy Technologies.	5.	A lecture is delivered by Mr. Jitendra Narayan Gangwar at 2 nd World Conference on Applied Science Engineering and Technology, WCASET on 29/12/2016 entitled Application and Toxicological Impact of Biodiesel in a CI Engine.
3.	A lecture is delivered by Dr. Manoj Kumar Gupta at Advances in Composite Materials (ACM-2016), Mukul Shukla on 23/10/2016 entitled Progress in natural fibre reinforced polymer composites.	6.	A lecture is delivered by Dr. Rahul Dev at National Conference on Renewable Energy Sources for Sustainable Climate (SOLARIS 2017), IIT-BHU, Varanasi on 08/02/2017 entitled Solar Distillation.
		7.	A lecture is delivered by Dr. Rahul Dev at Short Term Course on 'Thermal Power Plants: Past & Present, Kamla Nehru Institute of Technology

- Sultanpur, U.P. India on 23/02/2017 entitled Thermal Power Generation using Solar Energy.
8. A lecture is delivered by Dr. Bireswar Paul at TEQIP-II Sponsored Short Term Course on "emerging trends in thermal engineering (ETITE-2017)", Mechanical Engineering Department, Madan Mohan Malaviya University of Technology, Gorakhpur-273010, (U.P.) INDIA on 01/03/2017 entitled Emission of Nano-organic Carbon Particles from the Exhaust of SI Engine.
 9. A lecture is delivered by Dr. Rahul Dev at Short Term Course on Emerging Trends in Thermal Engineering (ETITE-2017), Madan Mohan Malviya University of Technology, Gorakhpur, U.P. India on 01/03/2017 entitled Solar Energy & Its applications.
 10. A lecture is delivered by Dr. Manish Gupta at DST-INSPIRE SCIENCE CAMP, Sagar Institute of Technology and Management, Barabanki on 20/07/2016 entitled Supply Chain Management and Electronic Business
 11. A lecture is delivered by Dr. Bireswar Paul at TEQIP-II sponsored One-Week Short Term Course (STC) on "Alternative Sources of Energy for Sustainable Development (ASESD 2017)", Department of Mechanical Engineering, MNNIT Allahabad, Allahabad-211004, UP on 28/03/2017 entitled Emission of Carbonaceous Nano-Particles from the Exhaust of SI Engine.

Invited Lectures Organized

1. A lecture entitled Refrigeration and Air-conditioning, is delivered by Mr. Prithvi Datta, Global LEED Prof. (Retd.), Founder of Ever Green Solutions on 02/2017.

Programme Events Organized by Department

Sl. No.	Type	Title	From	To
1.	Short Term Course	Advances in Composite Materials (ACM-2016), MNNIT Allahabad	21/10/2016	26/10/2016
2.	Short Term Course	Alternative Sources of Energy for Sustainable Development (ASESD-2017), MNNIT Allahabad	27/03/2017	31/03/2017
3.	International Conference	Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017)	03/02/2017	05/02/2017

Other Relevant Information

1. Dr. Avanish Kumar Dubey became Fellow, Institution of Engineers (India).
2. Dr. Avanish Kumar Dubey Elected as Executive Committee Member, Institution of Engineers (India) Allahabad Local Chapter for 03 consecutive terms: 2011 – 13, 2013 – 15 and 2015 – 17.

List of Laboratories

- (i) Under Graduate Physics Laboratory-I (Optics)
- (ii) Under Graduate Physics Laboratory-II (General)
- (iii) Research Laboratory-I
- (iv) Under Graduate Physics Laboratory-I (Optics)
- (v) Under Graduate Physics Laboratory-II (General)

10.13 DEPARTMENT OF PHYSICS

Vision

To be nationally recognized as a model of an effective and successful Physics programme.
To have a reputation for our advanced and successful research in emerging areas of Physics
To have the reputation for the success of our research students and engineering graduates

Mission

To provide Physics education to engineering graduates as per need of future engineering and technological education in the country.

Publication in International Journals

1. S. B. Upadhyay, R. K. Mishra and P. P. Sahay, "Cr-doped WO₃ nanosheets: structural, optical and formaldehyde sensing properties", *Ceramics International*, vol.42, Issue 14, pp.15301-15311, 11/2016, Published by ELSEVIER. (SCI, IF = 2.986)
2. Murtaza Bohra, K. Eswar Prasad, Ravi Bollina, S. C. Sahoo and Naresh Kumar, "Characterizing the phase purity of nanocrystalline Fe₃O₄ thin films using Verwey transition", *Journal of Magnetism*

- and Magnetic Materials, vol.418, pp.137-142, 11/2016, Published by Elsevier. (SCI, IF = 2.630)
3. Kapil K. Sharma and S. N. Pandey, "Robustness of Greenberger-Horne-Zeilinger and W states against Dzyaloshinskii-Moriya interaction", Quantum information processing, vol.15, Issue 12, 11/2016, Published by Springer Link. (SCI, IF= 2.17)
 4. Aashish Jha, Naresh Kumar, Sanjay Chaubey and Mohit Sahni, "Effects of substrate temperature, oxygen pressure and laser fluence on structural and magnetic properties of pulsed laser deposited cobalt ferrite thin films", Journal of Super conductivity and Novel Magnetism, vol.29, Issue 3, pp.855-863, 03/2016, Published by Springer Link. (SCI, IF=1.180)
 5. Shashi Tiwari, Arun Kumar Singh, S. K. Balasubramanian, W. Takashima and Rajiv Prakash, "Poly-3 hexylthiophene (P3HT)/Graphene Nanocomposite Field-Effect-Transistor as Ammonia Detector Journal of Nanoscience and Technology", Vol.16, pp. 9634-9641, 2016, Published by ASP. (IF = 1.3)
 6. S. Hussain, J. Singh, D. Vikraman, Arun Kumar Singh, M. F. Khan, P. Kumar, D. Choi, W. Song, K An, J. Eom, W.Gyu Lee and J. Jung, "Large-area, continuous and high electrical performance of bilayer to few layers MoS₂ fabricated by RF sputtering via post-deposition annealing method", Scientific Report Vol.6, pp- 30791, 2016, Published by Nature. (IF = 5.5)
 7. Arun Kumar Singh, Chanyong Hwang and Jonghwa Eom, "Low-Voltage and High Performance Multilayer MoS₂ Field-effect Transistors with Graphene Electrodes", ACS Applied Materials & Interfaces, 8(50), pp34699-34705) 2016, Published by ACS (IF = 7.5)
 8. R. P. Yadav, Tanuj Kumar, V. Baranwal, Vandana, Manvendra Kumar, P. K. Priya, S. N. Pandey and A. K. Mittal, "Fractal characterization and wettability of ion treated silicon surfaces", Journal of Applied Physics, vol.121, pp.55301 (1-7, 01/2017, Published by AIP. (SCI, IF = 2.04)
 9. B. Ahmed, Animesh K. Ojha, F. Hirsch, I. Fischer, D. Patrice and A. Materny, "Tailoring of enhanced interfacial polarization in WO₃ nanorods grown over reduced graphene oxide synthesized by a one-step hydrothermal method", RSC Advances, vol.7, Issue 23, pp.13985-13996, 01/2017, Published by RSC. (SCI, IF = 3.10)
 10. Pramod Kumar, Naresh Kumar and Rachana Kumar, "Unusual magneto-thermal properties in Sr₄Ru₃O₁₀", Materials Research Express, vol.4, pp.026104-1-8, 02/2017, Published by IOP Publishing Ltd. (SCI, IF = 1.016)
 11. S. Bhunia, A. Singh and Animesh K Ojha, "Investigation of the encapsulation of metal cations (Cu²⁺, Zn²⁺, Ca²⁺ and Ba²⁺) by the dipeptide Phe using natural bond orbital theory and molecular dynamics simulation", Journal of molecular modeling, vol.23, pp.88-98, 02/2017, Published by Science Direct. (SCI, IF = 1.45)
 12. S. Kumar, B. Ahmed, Animesh K.Ojha, J. Das and A. Kumar, "Facile synthesis of CdO nanorods and exploiting its properties towards supercapacitor electrode materials and low power UV irradiation driven photocatalysis against methylene blue dye", Materials Research Bulletin, vol.90, pp.224-231, 03/2017, Published by Science Direct. (SCI, IF = 2.44)
 13. B. Ahmed, S. Kumar, Animesh K. Ojha, P. Donfack and A. Materny, "Facile and controlled synthesis of aligned WO₃ nanorods and nanosheets as an efficient photocatalyst material", Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, vol.175, pp.250-261, 03/2017, Published by Science Direct. (SCI, IF= 2.53)
 14. Vivek Agrahari, Lalit Kumar Gaur, Mohan Chandra Mathpal and Arvind Agarwal, "Structural, Optical and Dilute Magnetic Semiconducting Properties of Gd Doped SnO₂ Nanoparticles", Journal of Nanoscience and Nanotechnology 17, 1-11, (2017) ISSN: 1533-4880(ASP, IF=1.483).
 15. P. P. Sahay and Ajay Kumar Kushwaha, "Electrochemical supercapacitive performance of potentiostatically cathodic electrodeposited nanostructured MnO₂ films", Journal of Solid State Electrochemistry, vol. 21, pp. 2393-2405, 2017 (IF=2.316).
 16. S Kumar, Animesh K Ojha, B Ahmed, A Kumar, J Das and A Materny, "Tunable (violet to green) emission by high-yield graphene quantum dots and exploiting its unique properties towards sunlight-driven photocatalysis and supercapacitor

- electrode materials”, *Materials Today Communications* 11, 76-86, 2017.
17. B Ahmed, Animesh K Ojha and S Kumar, “One-pot synthesis of Ni doped CdS nanosheets for near infrared emission and excellent photocatalytic materials for degradation of MB dye under UV and sunlight irradiation”, *SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy* 179, 144-154, 2017 (IF= 2.53).
 18. Amit Srivastava and Naresh Kumar, "Effect of Substrate temperature on (00l) oriented growth of ZnO Nanostructures on fused quartz substrate byPLD",*Journal of Materials Science: Materials in Electronics*, vol. 28, Issue 13, pp. 9258–926, 03/1977, 2017 (IF=2.019).
 19. R. P. Yadav, D. C. Agarwal, Manvendra Kumar, Parasmani Rajput, D. S. Tomar, S. N. Pandey, P. K. Priya and A. K. Mittal, “Effect of angle of deposition on the Fractal properties of ZnO thin film surface”, *Applied Surface Science*, 416, 51-58, 2017 Published by Elsevier(IF=3.15).
 20. Rajesh Kumar Mishar and Rohit R Shahi, “Phase evolution and Magnetic characteristics of TiFeNiCr and TiFeNiCrM (M=Mn and Co) high entropy alloys”, *Journal of Magnetism and Magnetic Materials* 442(2017) 218-213, Published by Elsevier, (IF=2.630).
 21. Rohit R Shahi, T P Yadav, M A Shaz and ON Srivastava, “Synthesis characterization and hydrogenation behaviour of as quenched Ti41. 5+ XZr41. 5-XNi17 (x= 0, 3.5, 11.5 and 13.5) nano quasicrystalline ribbons”,*Journal of Physics: Conference Series* 809 (2017) 012011,(IF=0.4).

Publication in Conferences

1. A. K. Singh “Light Driven Carrier Modulation in MoS2 Field-Effect Transistors,” *International Conference on Materials Science & Technology*, University of Delhi, Delhi, India, March, 01-04, 2016.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Animesh Kumar Ojha	Journal of Materials Science and Engineering B Vibrational Spectroscopy Journal of Alloys and Compounds Journal of Raman Spectroscopy RSC Advances Spectrchimica Acta
2.	Dr. P. P. Sahay	Thin Solid Films Sensors and Actuators B
3.	Dr. S. N. Pandey	International Journal of Nanoscience and Nanotechnology Quantum Information Processing
4.	Dr. Naresh Kumar	Journal of Electronic Materials Journal of Alloys and Compounds Journal of Materials Science: Materials in Electronics Applied Physics Letters Journal of Alloys and Compounds Journal of Materials Science: Materials in Electronics

Invited Lectures Delivered

1. A lecture is delivered by Dr. Naresh Kumar at short term course on "Nanostructures in Diagnostics, Biotechnology Department, MNNIT Allahabad on 17/05/2016 entitled Nanostructure synthesis and characterization.
2. A lecture is delivered by Dr. P. P. Sahay at 6th National Conference on Nanomaterials and Nanotechnology (Natcon Namtech VI) Department of Physics, University of Lucknow, Lucknow, India on 12/02/2017 entitled Multifunctional metal oxide nanomaterials: Application to gas sensors.
3. A lecture is delivered by Dr. Naresh Kumar at National Workshop on Thin film deposition techniques, Sharda University, Greater Noida, UP India on 18/02/2017 entitled Pulsed Laser Deposition: Thin Film Deposition Technique.

4. A lecture is delivered by Dr. S. N. Pandey at on recent advances and Innovations in Chemical and Materials Sceince-RAICMS, Shri Jai Narayan PG College, Lucknow on 23/02/2017 entitled Fractal Analysis of Ion Irradiated Thin Film Surfaces.
5. A lecture is delivered by Dr. Naresh Kumar at Short Term Course on "Laser and its Applications" "LAP 2017, MNNIT Allahabad on 30/03/2017 entitled on "Pulsed laser deposition /ablation: Laser Synthesis of nanomaterials & Thin Films".

Events Organized by Department

Sl. No.	Type	Title	From	To
2.	Workshop	National Workshop on Photovoltaics: Technology and Business Overview (PTBO - 2017), MNNIT Alld.	04/03/2017	06/03/2017
3.	Faculty Development Program	Laser and its Applications - LAP 2017, MNNIT Allahabad	27/03/2017	31/03/2017

Events Attended

1. Dr. Arvind Agrawal attended International Conference on 39th International Conference on Vacuum Ultraviolet and X-ray Physics (VUVX2016) at Zurich, Switzerland during 03/07/2016 to 08/07/2016
2. Dr. Naresh Kumar attended International conference on 39th International Conference on vacuum ultraviolet and X-ray Phsyics (VUVX2016) at Zurich, Switzerland during 03/07/2016 to 08/07/2016
3. Dr. S. N. Pandey attended International Conference on Ion Beams in Materials Engineering and Characterization (IBMEC-2016) at Inter University Accelerator Centre, New Delhi during 28/09/2016 to 01/10/2016
4. Dr. Arvind Agrawal attended International Conference on Emerging Trends in applied and Material Sciences". 2nd International Conference (IEEE Sponsored) on Control Computing Communication and Materials (at Allahabad during 21/10/2016 to 22/10/2016
5. Dr. S. N. Pandey attended International Conference on 2nd International Conference and Exhibition on Mesoscopic and Condensed Matter Physics at Chicago, USA during 26/10/2016 to 28/10/2016
6. Dr. Naresh Kumar attended Faculty Development Program on Programme for Senior Administrative Professionals (ProSAP) at School of Management Studies (SMS), MNNIT Allahabad during 24/10/2016 to 28/10/2016
7. Dr. Naresh Kumar attended Workshop on Advancement in XRD Measurement Technique of Powders and Thin Films at Delhi during 18/11/2016 to 18/11/2016
8. Dr. P. P. Sahay attended National Conference on 61st DAE Solid State Physics Symposium at KIIT University, Bhubaneswar, India during 26/12/2016 to 30/12/2016
9. Dr. Naresh Kumar attended International Conference on International Conference on "Emerging Materials and Applications" at University of Allahabad during 20/02/2017 to 22/02/2017

Other Relevant Information

1. Dr. Animesh Kumar Ojha received German Research Foundation has granted a fellowship for three months to carry out research work in the University of Wuerzburg Germany on 05/2016

10.14 SCHOOL OF MANAGEMENT STUDIES

Vision

To create managers who have the competence to operate efficiently at the domestic and global levels through their knowledge, skills and creativity, with personal integrity and social responsibility.

Mission

To be a provider of globally competitive, high quality managerial human resource. To promote and significantly contribute towards development of technologies and innovation appropriate to sustainable economic growth and enrichment of quality of life.

List of Laboratories

- (i) Digital Management Laboratory
- (ii) Behaviour Dynamics Laboratory
- (iii) Management Research Laboratory

Courses Run by Department:

- (i) MBA [2 Years/ 4 Semester]
- (ii) Ph.D.

List of Major Projects Supervised

Sl. No.	Name of Student	Reg. No.	Project Title	Supervisor(s)
1.	Shailja Singh	2014MB16	Impact of Customer Relationship Management on Consumer Buying Behaviour	Dr. Ganesh Pd. Sahu
2.	Bhaskar	2014MB19	M-Governance: Their Adoption Process and the Impact of M-Governance in Transport Industry	Dr. Ganesh Pd. Sahu
3.	K Kishore Tirumalasetty	2014MB58	Influencing the Behavioural Intention to Adopt Mobile Banking Application in India	Dr. Ganesh Pd. Sahu
4.	Abhishek Anand	2014MB42	Critical Success Factor for Adopting Mobile Governance in Bank Sector	Dr. Ganesh Pd. Sahu
5.	Shahzad Faiyaz	2014MB52	The Effect of Psychological Contract Breach on Job Satisfaction, Organisational Citizenship Behaviour, Perceived Organisational Support and Intention to Remain with the Organisation	Dr. Ganesh Pd. Sahu
6.	Piyush Singh	2014MB26	Factors Affecting the Level of Impulse Buying in FMCG Sector	Dr. Ganesh Pd. Sahu
7.	Shailesh Kumar Mishra	2014MB61	Employee Engagement	Dr. Ganesh Pd. Sahu
8.	Mohd Faizan	2014MB48	Awareness of Green Products and Its Influence on Buying Behaviour of Consumer	Dr. Ganesh Pd. Sahu
9.	Manya Nayar	2014MB39	Increasing the Acceptability of Online Grocery Shopping	Dr. Ganesh Pd. Sahu
10.	Anshika Agrawal	2014MB46	A Study of the Causal Relationships between Return, Volatility and Trading Volumes in respect of Nifty and Sensex	Dr. Tanuj Nandan
11.	Deepak Mehta	2014MB60	Brand Consciousness amongst Indian Consumers with respect to Apparels	Dr. Tanuj Nandan
12.	Diwakar Srivastav	2014MB54	Assessment of Investors' Perception Towards Mutual Funds in Allahabad and Lucknow	Dr. Tanuj Nandan
13.	Kadumbri Kriti RandeV	2014MB36	Support as an Influencer: A Comparative Study of Quality of Work Life of Employees Working with Public and Private Sector Banks.	Dr. Tanuj Nandan
14.	Rimsha Uzair	2014MB03	Measuring Financial Satisfaction of Individuals on the Basis of Financial Knowledge, Financial Attitude and Risk Tolerance	Dr. Tanuj Nandan
15.	Shivangi Srivastava	2014MB56	Product Preference of Investors on the Basis of Perceived Financial Knowledge, Attitude and Tolerance	Dr. Tanuj Nandan

Publications in International Journals

- 1. T. Nandan and N. Srivastava, "Construction of Optimal Portfolio Using Sharpe's Single Index Model; An Empirical Study on Nifty 50 Stocks",

Journal of Management Research and Analysis, vol.4, Issue 2, pp.74-83, 04/2016, Published by IP Innovative Publication Pvt Ltd.

2. T. Nandan, P. R. Agrawal and T. Agarwal, "Return, Volatility and Volume: Causality Relationship of Top 10 Companies of Nifty 50", *Indian Journal of Research in Capital Markets*, vol.3, Issue 2, pp.7-19, 04/2016,
3. Y. K. Dwivedi, G. P. Sahu, N. P. Rana, M. Singh, and R. K. Chandwani, "Common Services Centers (CSCs) as an Approach to Bridge, Digital Divide: Reflecting on Challenges and Obstacles", *Transforming Government: People, Process and Policy*, vol.10, Issue 4, pp.511-525, 04/2016, Published by Emerald. (Scopus)
4. Geetika, P. Ghosh and M. Ojha, "Journey towards World Class Stations: An Assessment of Platform Amenities at Allahabad Junction", *Journal of Public Transportation*, vol.19, Issue 1, pp.31-46, 07/2016, Published by University of South Florida. (SCI, IF = 1.8)
5. P. Ghosh, A. Rai, Ragini and A.Singh, "Support at Work to Fuel Engagement: A Study of Employees of Indian Banking Sector", *Review of Integrative Business and Economics Research*, vol.5, Issue 2, pp.1-10, 09/2016, Published by Society of Inter disciplinary Business Research. (Scopus)
6. Ragini, P. Ghosh, A. Rai and D. Shukla, "Impact of Support at Workplace on Transfer of Training: Study of an Indian Manufacturing Firm", *International Journal of Training and Development*, vol.20, Issue 3, pp.200-213, 09/2016, Published by Wiley Online Library. (Scopus, IF = 1.27)
7. A. Rai, P. Ghosh, Ragini and N. Mehta, "Rewards and Recognition to Engage Private Bank Employees: Exploring the Obligation Dimension", *Management Research Review*, vol.39, Issue 12, pp.1738-1751, 12/2016, Published by Emerald Group Publishing Ltd. (Scopus , IF = 1.28)
8. P. R. Agrawal and S. Mishra, "A Study of E-Banking Services and Its Potential Risks in Foreign Banks", *International Journal of Science Technology and Management*, vol.6, Issue 2, pp.980-993, 02/2017, Published by A R Research Publication/ Science India Publication 3/186, Govindpuri, NCR, Ghaziabad. (IF = 2.012)
9. T. Agarwal and P. R. Agrawal, "Direction and Durability of Causality between Foreign Institutional Investment and Selected Economic Variables in the Indian Context During Pre and Post Sub-Prime Crisis", *Indian Journal of Finance*, vol.11, Issue 2, pp.8-22, 02/2017, Published by Satya Gilani on behalf of Associated Management Consultants (P) Ltd. Y-21, Hauz Khas, New Delhi-110016. (Scopus, IF = 0.028)
10. N.D.P. Dehigama, B. Igel, Geetika and A. J. Fernando, "The link between creativity and credibility with sustainable growth of entrepreneurial firms: evidence from Sri Lanka", *Journal for Global Business Advancement*, vol.10, Issue 2, pp.210-226, 03/2017, Published by Inderscience. (Scopus)
11. A. Rai, P. Ghosh, Ragini and N. Mehta, "Influence of Job Characteristics on Engagement: Does Support at Work Act as Moderator", *International Journal of Sociology and Social Policy*, vol.37, Issue 1, pp.86-105, 03/2017, Published by Emerald Group Publishing Ltd. (Scopus , IF=.57)
12. T. Nandan and P. Agrawal (2016), "Pricing Efficiency in CNX Nifty Index Options using Black Scholes Model: A Comparative Study of Alternate Volatility Measures", *Margin-The Journal of Applied Economic Research*, vol.10, Issue 2, pp. 281-304, 2016, Published by Sage Publications..
13. T. Nandan, and K. Saurabh, "Personality Traits, Attitude towards Financial Risk and Investment Intentions: A Study on Generation Y", *International Journal of Business Forecasting and Marketing Intelligence*, vol.2, Issue 2, pp.128-150, 2016, Published by Inderscience Publications.

Publications in National Journals

1. Geetika, Piyali Ghosh and Ashutosh Shukla, "State of Urban Homeless Poor in India: A Stock-taking of the City of Allahabad", *Urban India*, vol.35, Issue 1, pp.8-29, 08/2016, Published by National Institute of Urban Affairs.
2. Geetika, P. Ghosh and A. Shukla, "State of Urban Homeless Poor in India: A Stock-Taking of the City of Allahabad", *Urban India*, vol.35, Issue 1, pp.8-29, 08/2016, Published by National Institute of Urban Affairs.
3. P. R. Agrawal, "1 Enhancing Efficiency and Reflection on Key Performance Indicators: A Study of VBS Purvanchal University, Jaunpur, Uttar Pradesh", *University News* published by All India University Association, New Delhi, vol.55, Issue 5, pp.96-97, 01/2017, Published by All India University Association, New Delhi.

4. Geetika, Akanksha Shukla, Tanu Agarwal, "Causal Relationship between Foreign Institutional Investment and Corporate Social Responsibility: A Study of Energy Sector", IIMS Journal of Management Science, vol.8, Issue 1, pp.01-14, 01/2017, Published by IIM Shillong.
5. Tanu Agarwal, Geetika and Peeush Ranjan Agrawal, "Direction and Durability of Causality between Foreign Institutional Investment and Selected Economic Variables in the Indian Context during Pre and Post Sub-Prime Crisis", Indian Journal of Finance, vol.11, Issue 2, pp.08-22, 02/2017, Published by Indian Journal of Finance, New Delhi. (SCI, IF = 0.132)
2. T.Nandan and V. Choubey, "Management and Technology: New Horizons in Research", International Conference on Advances in Management and Technology, MNNIT Allahabad, pp.43-58, 06/2016, Published by McGraw Hill Education.
3. G. P. Sahu and M.Singh, "Green Information System Adoption and Sustainability: a Case Study of Select Indian Banks", 15th IFIP Conference on e-Business, e-Services and e-Society (I3E2016), Swansea, Wales, UK, pp.292-304, 09/2016, Published by Springer International Publishing.

Publication in International Conferences

1. G. P. Sahu and M. Singh, "Determinants of Consumer's Behavior Intents to Adopt "IRCTC Connect" Mobile Application", 7th International Conference on Excellence in Research and Education, IIM Indore, 05/2016,
4. Tripti Singh, A. B. Sammaddar, Deepesh Tiwari and Alok Agrawal, "Semiconductor Manufacturing in India: A policy review", 5th International Conference for Management of Infrastructure (ICMI 2017), UPES Dehradun, 02/2017.

Reviewer in International Journal

Sl. No.	Faculty Name	Journal Name
1.	Dr. Piyali Ghosh [On Leave]	Management Research Review Personnel Review International Journal of Sociology and Social Policy
2.	Dr. Ganesh Pd. Sahu	International Journal of E-Governance International Journal of E-Government Research American Conference on Information Systems
3.	Dr. Tanuj Nandan	International Journal of Industrial and Systems Engineering

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book Name	Book Chapter	Publisher
1.	Geetika, Tanuj Nandan, G P Sahu, Tripti Singh, Piyali Ghosh & Vibhuti Tripathi	Advances in Management and Technology: New Horizons in Research		McGraw Hill Education (India) Pvt Ltd, New Delhi
2.	Prabir Panda & G. P. Sahu	Digital Governance and E-Government Principles Applied to Public Procurement	Public Procurement Framework in India: An Overview	IGI Global
3.	Prabir Panda & G. P. Sahu	Leveraging Technology towards Digital Transformation	Imperatives of Public Procurement: A Reality Check of Government e-Procurement Portals in India	BS Publications, Hyderabad, India
4.	G P Sahu, K S Vijaya Sekhar & G Prabhu	Leveraging Technology towards Digital Transformation		BS Publications, Hyderabad, India
5.	Monika Singh & G. P. Sahu	Leveraging Technology towards Digital	Critical Success Factors for Green Information Systems:	BS Publications, Hyderabad, India

	Transformation	Adoption and Government's Perspective	
6. Geetika	Management and Technology, New Horizons of Research	International Trade and India: Trends, Alternatives and Strategies	McGraw-Hill Education, India

Invited Lectures Delivered

1. A lecture is delivered by Dr. Vibhuti Tripathi at one week Interaction Course for engineering students, V.B.S. Purvanchal University, Jaunpur on 18/04/2016 entitled Customer Orientation for New Product Development.
2. A lecture is delivered by Dr. Vibhuti Tripathi at Workshop on Research Methodology and Computer Application, V.B.S. Purvanchal University, Jaunpur on 22/06/2016 entitled paving the way through SPSS.
3. A lecture is delivered by Dr. Geetika at Orientation Program, University of Allahabad on 14/10/2016 entitled Research Design and Thesis Writing.
4. A lecture is delivered by Dr. P. R. Agrawal [On Leave] at National Workshop, MNNIT Allahabad on 23/10/2016 entitled An Inter- disciplinary Approach to Retail Business & Survey of Vegetable Marketing, Allahabad.
5. A lecture is delivered by Dr. P. R. Agrawal [On Leave] at Program for Senior Administrative Professionals, MNNIT Allahabad on 05/11/2016 entitled Public Participation in Promoting Integrity and Eradicating Corruption.
6. A lecture is delivered by Dr. Vibhuti Tripathi at General Management, Regional Training Institute, Indian Audit & Accounts Department, Allahabad on 22/11/2016 entitled Creativity.
7. A lecture is delivered by Dr. Geetika at Regional Training Institute, IA & A Department, Allahabad, Course on General Management for Audit Officers on 24/11/2016 entitled Managing Change.
8. A lecture is delivered by Dr. Geetika at Workshop on Demoentization, SMS, MNNIT Allahabad on 14/12/2016 entitled Demonetization: an Impact on Indian Economy.
9. A lecture is delivered by Dr. Vibhuti Tripathi at ICT-MD (IDC2-16), UGC-HRDC, Dr. Hari Singh Gour Central University Sagar on 23/12/2016 entitled Role of ICT in Teaching and Learning Process.
10. A lecture is delivered by Dr. Geetika at Skill Development Programme, University of Allahabad on 20/01/2017 entitled Habits of Effectiveness.
11. A lecture is delivered by Dr. Tanuj Nandan at Workshop for PhD Scholars, Veer Bahadur Singh Purvanchal University, Jaunpur on 21/06/2016 entitled Application of SPSS in Social Science Research.
12. A lecture is delivered by Dr. Tanuj Nandan at Training Program, Regional Training Institute, AG Office Allahabad on 24/11/2016 entitled Time Management and Stress Management.
13. A lecture is delivered by Dr. Tanuj Nandan at Refresher Course (ICT-MD (IDC2-16)), UGC-Human Resource Development Centre, Dr. HS Gour Central University, Sagar on 29/12/2016 entitled Role of ICT in Financial Empowerment and Electronic Payment, Settlement and Risk Management.
14. A lecture is delivered by Dr. Tanuj Nandan at Workshop on Non-Verbal Communication, Indian Society for Training and Development on 22/01/2017 entitled Personality Development for Gainful Employment.
15. A lecture is delivered by Dr. Tanuj Nandan at Faculty Development Program on "Cross Cultural Management"-2017 (FDP CCM - 2017), Rajkiya Engineering College, Azamgarh on 17/02/2017 entitled Impact of National Culture on Organizational Cultures.
16. A lecture is delivered by Dr. Tanuj Nandan at Short-Term Course on Research Methodology for PhD Students, UGC- Human Resource Development Centre, University of Allahabad on 16/12/2016 entitled Introduction to Statistics Using SPSS and An Introduction to Excel Based Modeling.
17. A lecture is delivered by Dr. Tanuj Nandan at Workshop on Non-Verbal Communication, Indian Society for Training and Development on 22/02/2017 entitled Personality Development for Gainful Employment.

18. A lecture is delivered by Dr. Tanuj Nandan at Refresher Course of the Department of Psychology, UGC- Human Resource Development Centre, University of Allahabad on 16/03/2017 entitled Factor Analysis.
19. A lecture is delivered by Dr. Tanuj Nandan at National Seminar on "Emerging Paradigms for Managing Startups", Department of Business Management, Dr. Hari Singh Gour Central University, Sagar (M.P.) on 25/02/2017 entitled Keynote Address.
20. A lecture is delivered by Dr. Tanuj Nandan at Two-day National Conference on "Demonetisation and uprooting parallel Economy", Department of Commerce, Dr. Hari Singh Gour University, Sagar on 27/03/2017 entitled Keynote Speech.
21. A lecture is delivered by Dr. Tanuj Nandan at 'परिचर्चा', All India Radio (Prasar Bharti), Allahabad on 11/04/2016 entitled 'आर्थिक परिदृश्य में दक्ष होता भारत और स्किल इंडिया'
22. A lecture is delivered by Dr. Tanuj Nandan at Workshop on Employability, Doon University, Dehradun on 21/11/2016 entitled Making Students Placement Ready.
23. A lecture is delivered by Dr. Tanuj Nandan at World Environment Day, IFFCO Phulpur Unit on 10/06/2016 entitled World Environment Day 2016: Go Wild for Life.
24. A lecture is delivered by Dr. Tripti Singh at workshop, ISTD Allahabad Chapter at CMP Degree College on 21/01/2017 entitled Public Speaking and Non-Verbal Communication.
25. A lecture is delivered by Dr. P. R. Agrawal [On Leave] at National Seminar, Department of Business Management Dr. Hari Singh Gour Vishwavidyalaya (A Central University), Sagar, Madhya Pradesh on 25/02/2017 entitled Emerging Paradigm for Managing Start-ups (MSME's).
26. A lecture is delivered by Dr. Ganesh Pd. Sahu at Refresher course on Research Methodology, University of Allahabad on 27/02/2017 entitled Professional development.
27. A lecture is delivered by Dr. Geetika at FDP, Institute of Professional Studies on 08/2016 entitled Intellectual Property Rights.
28. A lecture is delivered by Dr. Geetika at Orientation Programme for Faculty, Institute of Professional Studies on 11/2016 entitled Intellectual Property Rights and Relevance to Design Theme.
29. A lecture is delivered by Dr. Geetika at Management Development Programme for officers of NTPC, National Board for Workers Education and Development, (Regional Directorate, Allahabad) on 11/2016 entitled Leadership.

Events Organized by Department

Sl. No.	Type	Title	From	To
1.	Symposium	Strategic Imperatives of Growth, MNNIT Allid.	21/01/2017	
2.	Workshop	Gender Sensitivity at Workplace, MNNIT Allid.	27/03/2017	
3.	GIAN Training Program	Thermal Sprayed Coatings and Composites: Science, Engineering and Applications, MNNIT Allahabad	20/06/2016	01/07/2016
4.	GIAN Training Program	Biomedical Imaging, MNNIT Allahabad	04/07/2016	15/07/2016
5.	GIAN Training Program	Green Information Systems and Sustainability, MNNIT Allahabad	18/07/2016	29/07/2016
6.	Faculty Development Program	Qualitative Research Methods, MNNIT Allahabad	18/10/2016	24/10/2016
7.	Short Term Training Programme	Short Term Training Program on Qualitative Research Methods, School of Management Studies, Motilal Nehru National Institute of Technology Allahabad	18/10/2016	24/10/2016
8.	Workshop	Program for Senior Administrative Professionals (PROSAP), SMS MNNIT Allahabad	24/10/2016	28/10/2016

9.	Workshop	Applications of MATLAB in Science, Technology and Management (AMSTM 2016), MNNIT Alld.	01/12/2016	07/12/2016
10.	GIAN Training Program	Computational Simulation of Bio-fluid Systems, MNNIT Allahabad	01/12/2016	12/12/2016
11.	GIAN Training Program	Information Technology Service Management, MNNIT Allahabad	01/12/2016	14/12/2016
12.	Workshop	Demonetization: Impact on Indian Economy, School of Management Studies, Motilal Nehru National Institute of Technology Allahabad	14/12/2016	14/12/2016
13.	Workshop	Workshop on Demonetization, MNNIT Allahabad	14/12/2016	14/12/2016
14.	GIAN Training Program	Soft Switched & Resonant DC to DC Converter Topologies & their control, MNNIT Allahabad	19/12/2016	23/12/2016
15.	GIAN Training Program	Emerging Trends in Bio-Robotics for Development of Prosthetic and Orthotic Devices, MNNIT Allahabad	19/12/2016	30/12/2016
16.	Symposium	Strategic Imperatives of Growth, School of Management Studies, Motilal Nehru National Institute of Technology Allahabad	21/01/2017	21/01/2017
17.	Regional Seminar	Regional Seminar on Investor Education, MNNIT Allahabad	02/02/2017	02/02/2017
18.	GIAN Training Program	Electroacoustic Transducer – Product Design and Development, MNNIT Allahabad	26/02/2017	03/03/2017
19.	Workshop	Teaching-Learning-Assessment: Techniques and Practices, MNNIT Allahabad	24/03/2017	25/03/2017
20.	Faculty Development Program	Spreadsheet Based Modelling of Managerial Decisions, SMS MNNIT Allahabad	03/10/2016	09/10/2016

Events Attended

1. Dr. P. R. Agrawal [On Leave] attended National Conference on Business Management in 21st Century: Role of Academic Research at India International Centre, New Delhi during 17/04/2016 to 17/04/2016.
2. Dr. P. R. Agrawal [On Leave] attended Faculty Development Program on Professional Research & Teaching: SWOT at School of Management Studies, Varanasi during 15/07/2016 to 15/07/2016.
3. Dr. Ganesh Pd. Sahu attended International Conference on IFIP Conference on e-Business, e-Service and e-Society-2016 at School of Management, Swansea University Bay Campus, Wales, U.K. during 13/09/2016 to 15/09/2016.
4. Dr. Tripti Singh attended Faculty Development Program on SMFI Pedagogy Innovations at IIM Bangalore during 26/12/2016 to 30/12/2016.
5. Dr. P. R. Agrawal [On Leave] attended East Zone Vice Chancellor meeting on Enhancing Efficiency

and Reflection on Key Performance Indicators: A Study of VBS Purvanchal University, Jaunpur, Uttar Pradesh, at The Assam Kaziranga University during 19/01/2017 to 20/01/2017.

6. Dr. P. R. Agrawal [On Leave] attended Annual Meet on Annual Meet of the AIU member Vice Chancellors Sri Venkateshwara University at Tirupati on/during 05/02/2017 to 07/02/2017.
7. Dr. P. R. Agrawal [On Leave] attended National Conference on Shiksha Pariksha Aur Mulyankan Pratyayan at Varanasi during 19/02/2017 to 19/02/2017.
8. Dr. Geetika attended 6th International Conference on Issues in Applied Business, Management, Social Sciences Research (IABMSR-MARCH-2017) at Athens, Greece during 30/03/2017 to 31/03/2017.

Other Relevant Information

1. Dr. Tripti Singh received Award for Excellence in Research to Faculty Members and PG Students (First Position) in the Doctoral Thesis Category at

Faculty of Business Administration, GLS University, Ahmedabad on 01/2017.

2. Dr. Tripti Singh received Award for Excellence in

research to Faculty Members and PG Students (Second Position) in the Research Paper Category at Faculty of Business Administration, GLS University, Ahmedabad on 01/2017.

FINANCIAL AND ACCOUNT DETAILS

11.1 Financial and Account Report

11.2 Annual Account 2016-2017

11.1 FINANCIAL AND ACCOUNT REPORT

स्पीड पोस्ट द्वारा

कार्यालय प्रधान निदेशक लेखापरीक्षा (केन्द्रीय) लखनऊ, शाखा कार्यालय इलाहाबाद
सत्यनिष्ठा भवन 15 -ए दयानन्द मार्ग इलाहाबाद

पत्र संख्या: स्वा.नि.(कें)/पू.ले.प.-59/2017-18/

दिनांक- 10.2017

सेवा में,

सचिव, भारत सरकार,
मानव संसाधन विकास मंत्रालय,
उच्च शिक्षा विभाग,
शास्त्री भवन, नई दिल्ली - 110001

विषय: मोती लाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद के वर्ष 2016-17 के लेखों पर पृथक लेखा परीक्षा प्रतिवेदन।

महोदय,

मैं, मोती लाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद के वर्ष 2016-17 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) तथा वार्षिक लेखे की प्रति अग्रसारित कर रहा हूँ।

2. कृपया सुनिश्चित करें कि लेखापरीक्षा प्रतिवेदन एवं सम्बन्धित लेखा संसद के दोनों सदनों के सम्मुख प्रस्तुत हुआ।

3. कृपया पृथक लेखापरीक्षा प्रतिवेदन एवं लेखों को संसद के दोनों सदनों के समक्ष अन्तिम रूप से प्रस्तुत करने की तिथि भारत के नियंत्रक एवं महालेखापरीक्षक के साथ-साथ इस कार्यालय को भी सूचित करें।

संलग्नक: उपरोक्तानुसार।



भवदीय,

प्रधान निदेशक लेखापरीक्षा (केन्द्रीय)

पत्र संख्या: स्वा.नि.(कें)/पू.ले.प.-59/2017-18/202

दिनांक-27-10.2017

वर्ष 2016-17 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) की प्रति निदेशक, मोती लाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद उत्तर प्रदेश 211004 को आवश्यक कार्यवाही हेतु प्रेषित है। संस्थान यदि आवश्यकता अनुभव करे तो इस प्रतिवेदन का हिन्दी अनुवाद करवा सकता है परन्तु इस प्रतिवेदन के हिन्दी अनुवाद में निम्नलिखित अस्वीकरण (disclaimer) अंकित होना चाहिए :

"प्रस्तुत प्रतिवेदन मूलरूप से अंग्रेजी में लिखित पृथक लेखापरीक्षा प्रतिवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विसंगति परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा।"

हिन्दी अनुवाद की एक प्रति इस कार्यालय को भी प्रेषित करने का कष्ट करें।

संलग्न : उपरोक्तानुसार

उप निदेशक लेखापरीक्षा (केन्द्रीय व्यय)

Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Motilal Nehru National Institute of Technology, Allahabad for the year ended 31 March, 2017

We have audited the attached Balance Sheet of the Motilal Nehru National Institute of Technology, Allahabad (Institute) as at 31 March, 2017, the Income and Expenditure Account and Receipts and Payments Account for the year ended on that date Under Section 19(2) of the Comptroller and Auditor General's (Duties, Power and Conditions of Service) Act, 1971 read with section 22(2) of the National Institute of Technology Act, 2007. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Report contains the comments of the Comptroller and Audit General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspect etc., if any, are reported through Inspection Reports/CAG's Audit Report separately.
3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by managements, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, we report that:

- (i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;
- (ii) The Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report have been drawn up in format of Financial Statements for Central Higher Education Institutions prescribed by MHRD, Government of India.
- (iii) In our opinion, proper books of accounts and other relevant records have been maintained in the Motilal Nehru National Institute of Technology, Allahabad in so far as it appears from our examination of such books.
- (iv) We further report that:
- (A) General**
- (A.1) No Provision had been made for retirement benefit on actuarial basis as required in AS 15.
- (A.2) The Institute did not prepare Balance Sheet, Income and Expenditure Account and Receipts and Payments Account of GPF/CPF/NPS separately as prescribed in MHRD format.
- (A.3) Schedule -10 (Grants and Donation) was prepared by the Institute but not in the format prescribed by MHRD.
- (A.4) The Institute had not prepared schedule of fixed Assets under Plan and Non-Plan Separately.
- (A.5) Other fixed assets of ₹ 8.51 crore shown in Schedule-4, included assets of ₹ 1.43 crore depreciation on which was not calculated as their useful life had already expired. The Institute has, however, not disclosed this fact in its Notes to Account/Significant Accounting Policy.
- (B) Grants-in-aid**
- During the year 2016-17, the Institute received grant of ₹126.95 crore from Government of India (Plan ₹57.00 crore + Non-Plan ₹45.80 crore + IRG ₹24.15 crore). The Institute has an opening balance of ₹10.40 crore (Plan ₹(-) 99.32 lakh + Non-Plan

₹11.39 crore) Thus, total fund available with the Institute worked out to ₹ 137.35 crore, out of which the Institute utilised ₹96.82 crore (Plan ₹23.49 crore + Non-Plan ₹73.34 crore) leaving a balance of ₹ 40.53 crore (Plan ₹32.51 crore + Non-Plan ₹8.01 crore) as on 31 March, 2017.

(v) Subject to our observation in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and Payment Account dealt with by this report are in agreement with the books of accounts.

(iv) In our opinion and to the best of our information and according to the explanation given to us, the said financial statements read together with the accounting policies and notes to accounts, and subject to the significant matters stated above and other matters mentioned in annexure give a true and fair view in conformity with the accounting principles generally accepted in India.

(a) In so far as it relates to the Balance Sheet, of the state of affairs of the Motilal Nehru National Institute of Technology, Allahabad as at 31 March, 2017; and

(b) In so far as it relates to Income and Expenditure Account of the 'Surplus' for the year ended on that date.

For and on behalf of the C&AG of India



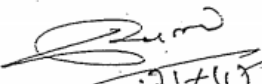
Principal Director of Audit (Central)

Place: Lucknow

Date: 27.10.17

Annexure

- 1. Adequacy of Internal Audit System**
Internal audit of the Institute was carried out during 2016-17. However, the Institute had not prepared Internal Audit Manual as of date.
- 2. Adequacy of Internal Control System**
Internal Control System in the Institute reflected the following deficiencies:
 - (i) Non-preparation of centralised/consolidated Fixed Assets Register, Liability Register etc.; and
 - (ii) The Institute made expenditure of ₹18.98 crore against sanctioned amount of ₹ 10.68 crore under Plan grant Revenue Head (Plan), resulting in over expenditure of ₹ 8.30 crore. Thus, the financial control of the Institute is not adequate.
- 3. System of Physical verification of Fixed Assets**
Physical verification of fixed assets was not conducted during 2016-17. It was last conducted in 2015-16.
- 4. System of Physical verification of Inventories**
Physical verification of Inventories was not conducted during the year 2016-17. It was last conducted in 2015-16.
- 5. Regularity in payment of statutory dues.**
The Institute was regular in payment of statutory dues.


Dy. Director of Audit (CE)

11.2 ANNUAL ACCOUNTS: 2016-2017

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
BALANCE SHEET AS ON 31ST MARCH 2017**

(Amount-Rs)

Sources of funds	Sch	Current Year	Previous Year
Corpus/capital fund	1	2,974,441,937.51	2,780,681,001.37
Designated/ earmarked funds	2	429,537,615.12	402,425,605.12
Current liabilities and provisions	3	772,393,745.68	467,298,207.12
Total		4,176,373,298.31	3,650,404,813.61
Application of funds	Sch	Current Year	Previous Year
Fixed assets			
Tangible assets	4	16,933,040,023.07	1,672,949,059.47
Capital work-in-progress	4	3,165,821.00	3,165,821.00
Intangible assets	4	20,372,688.00	58,165,390.13
Investments from earmarked/endowment funds:	5		
Long term		408,580,669.00	390,191,792.00
Short term			
Investment others	6	997,403,315.00	757,491,959.00
Current assets	7	457,992,473.97	597,924,148.04
Loans, advances & deposits	8	595,818,308.27	170,516,643.97
Total		4,176,373,298.31	3,650,404,813.61
Significant accounting policies	23		
Contingent liabilities and notes to accounts	24		

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2017

(Amount-Rs)

Particulars	Sch	Current Year	Previous Year
Income			
Academic receipts	9	258,124,181.00	244,281,223.00
Grants & donations	10	828,814,217.58	814,529,829.00
Income from investments	11	-	-
Interest earned	12	75,770,901.00	67,743,654.00
Other incomes	13	150,611,688.19	148,713,381.83

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Prior period income	14	1,813,043.25	2,349,972.40
Total (a)		1,315,134,031.02	1,277,618,060.23
Expenditure			
Staff payments & benefits	15	590,144,577.00	551,112,081.00
Academic expenses	16	191,152,409.00	185,470,085.13
Administrative and general expenses	17	144,682,014.00	142,681,944.00
Transportation expenses	18	1,124,520.00	1,105,491.00
Repair & maintenance	19	12,640,753.00	12,937,486.00
Finance costs	20	51,421.00	371,457.00
Other expenses	21	254,253.00	-
Prior period expenses	22	3,074,604.80	36,456,198.00
Depreciation		147,275,935.58	189,376,605.00
Total (b)		1,090,400,487.38	1,119,511,347.13
Balance being excess of income over expenditure (a-b)		224,733,543.64	158,106,713.10
Transfer to /from designated fund, building fund, others)		-	-
Balance being surplus/(deficit) carried to general fund		224,733,543.64	158,106,713.10
Significant accounting polies	23		
Contingent liabilities and notes on accounts.	24		

SCHEDULE FORMING PART OF BALANCE SHEET
SCHEDULE 1- CORPUS / CAPITAL FUND

(Amount-Rs)

	General fund- institute	DEFFERED GOVERNMENT GRANT	GENERAL FUND- SUBSIDIARY(Ref Annexure A (1))	CURRENT YEAR	PREVIOUS YEAR
Institute					
Balance as at the beginning of the year	1,760,868,118.53	852,991,486.35	166,821,396.49	2,780,681,001.37	2,728,300,090.16
Add: Contributions towards Corpus/Capital Fund	-			-	-
Add: Grant from UGC, Government of India and State government to the extent utilized for capital expenditure				-	-
Add: Assets Purchased out of Earnmarked Funds				-	-
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution				-	-

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Add: Assets Donated/Gifts Received				-	-
Add: Other Additions				-	-
Add: Amount of Capital Expenditure out of Grant	-	45,082,864.00	-	45,082,864.00	211,884,663.00
Add: Excess of Income over expenditure transferred from the Income and Expenditure Account	224,733,543.64		(7,738,889.52)	216,994,654.12	179,558,767.21
Total	1,985,601,662.17	898,074,350.35	159,082,506.97	3,042,758,519.49	3,119,743,520.37
Add/(Less): Adjustments	48,844,908.50	30,022,213.10		78,867,121.60	(150,353,375.00)
Less: Apportioned Amount of Depreciation	20,152,044.25	127,031,659.33	-	147,183,703.58	188,709,144.00
Balance as at the end of the year	2,014,294,526.42	801,064,904.12	159,082,506.97	2,974,441,937.51	2,780,681,001.37

ANNEXURE A(1) OF SCH 1

FUND ACCOUNT - SUBSIDIARIES

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2016	Add: Income (as per Annexure i)	Less: Expense (as per Annexure ii & iii)	Adjustment	As at March 31, 2017	As at March 31, 2016
Alumni Association	6,474,748.91	4,527,690.17	3,463,353.00		7,539,086.08	6,474,748.91
Dean Academic Affairs	36,576,997.50	1,688,757.00	7,847,463.00	-	30,418,291.50	36,576,997.50
G.K. Agarwal Trust	222,791.00	28,095.00		-	250,886.00	222,791.00
Industrial Estate	28,937,511.19	5,733,076.69	1,197,300.75	-	33,473,287.13	28,937,511.19
Nodal Center	(328,271.00)	3,769.00	21,741.00	-	(346,243.00)	(328,271.00)
P.D.T.C.	(208,656.00)	7,211.00		-	(201,445.00)	(208,656.00)
Project Account	(1,603,755.22)	3,194,876.00	5,450,235.00		(3,859,114.22)	(1,603,755.22)
Research & Consultancy Cell	(1,630,503.84)	13,566,118.00	6,184,950.13		5,750,664.03	(1,630,503.84)
School of Non Formal Continuing Education (SNFCE)	11,113,337.00	1,678,151.00	396,422.00	-	12,395,066.00	11,113,337.00
Sponsored Gold Medal	485,483.00	125,836.00		-	611,319.00	485,483.00
Student Welfare Fund	16,781,890.00	2,968,156.00	1,144,690.00	-	18,605,356.00	16,781,890.00
TEQIP - II	3,103,830.00	-	18,690,084.50	-	54,133,681.45	69,719,935.95
Text Book Lending Bank	279,888.00	47,779.00	15,995.00	-	311,672.00	279,888.00
Total	166,821,396.49	36,673,344.96	44,412,234.38	-	159,082,506.97	166,821,396.49

SCHEDULE 2-EARMARKED/ENDOWMENT FUNDS

(Amount-Rs)

PARTICULARS	FUND –WISE BREAK UP							Total	
	GPF	CPF	NPS	Corpus Fund	Staff Development	Devp Renewal Fund	Mainten-ance Fund	Current Year	Previous Year
A.									
a) Opening balance of the funds	223,033,383.00	12,288,089.12	4,958,422.00	158,835,709.00	1,562,992.00	873,505.00	873,505.00	402,425,605.12	234,583,094.12
b) Additions during the year									150,750,000.00
c) Income from investments made of the funds			389,348.00	671,337.00				1,060,685.00	30,148,635.00
d) Accrued interest on investments of the funds	15,427,490.00	953,556.00		9,408,079.00	89,661.00	41,094.00	41,094.00	25,960,974.00	10,659,332.00
e) Interest on Saving Bank a/c	214,298.00	39,151.00	6,207.00		21,206.00	20,172.00	20,172.00	321,206.00	781,648.00
f) Other additions (specify nature)									
TDS 2016-17		105,953.00		1,045,345.00	9,963.00	4,567.00	4,567.00	1,170,395.00	
Employee Subscription	32,999,463.00	484,384.00	21,780,412.00					55,264,259.00	55,006,361.00
Total (A)	271,674,634.00	13,871,133.12	27,134,389.00	169,960,470.00	1,683,822.00	939,338.00	939,338.00	486,203,124.12	481,929,070.12
B. Utilization/expenditure towards objectives of funds									
i. Capital Expenditure	37,537,406.00							37,537,406.00	79,503,339.00
ii. Payment to Subscribe			19,060,272.00				19,060,212		
iii. Revenue Expenditure			189.00	65,283.00	225.00	129.00	620.00	67,831.00	126.00
Total (b)	37,538,791.00		19,060,461.00	65,283.00	225.00	129.00	620.00	56,665,509.00	79,503,465.00
Net balance as the year end (a-b)	234,135,843.00	13,871,133.12	8,073,928.00	169,895,187.00	1,683,597.00	939,209.00	938,718.00	429,537,615.12	402,425,605.12

SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS

(Amount-Rs)

	Current Year	Previous Year
A. CURRENT LIABILITIES		
1. Deposits from staff	-	-

2. Deposits from students	-	-
3. Sundry Creditors	-	-
a) For Goods & Services	-	-
b) Others (Refer Annexure B (1))	53,498,858.39	58,398,660.39
4. Deposit-Others(Including EMD, Security Deposit)	-	-
5. Statutory Liabilities (GPF,TDS,WC TAX,CPF,GIS,NPS):	-	-
a) Overdue	-	-
b) Others (Refer Annexure B (2))	3,594,350.00	107,143.00
7. Other current Liabilities	-	-
a) Salaries	-	-
b) Receipts against sponsored projects	-	-
c) Receipts against sponsored fellowships & scholarships (Refer Annexure B (3))	110,109,770.00	101,085,959.00
d) Unutilized Grants (Refer Annexure B(4))(B)	405,282,635.23	113,928,334.93
e) Grants in advance	-	-
f) Other funds (Refer Annexure B (5))	7,234,346.00	7,352,670.00
g) Other liabilities (Refer Annexure B (6))	147,932,365.06	130,541,872.80
Total (A)	727,652,324.68	411,414,640.12
B. Provisions		
1. For Taxation	-	-
2. Gratuity	-	1,000,000.00
3. Superannuation/Pension		
Pension Pay	3,167,891.00	2,693,788.00
Pension Relief	5,162,180.00	4,218,209.00
Commutated Pension Payable	-	1,373,303.00
New Pension Scheme	892,926.00	946,124.00
4. Accumulated Leave Encashment		
Leave Encashment on LTC Other Staff	-	238,810.00
Retirement Leave Encashment Payable	48,720.00	1,650,830.00
5. Expenses payable (Refer Annexure B (7))	35,469,704.00	43,762,503.00
Total (B)	44,741,421.00	55,883,567.00
Total (A+B)	772,393,745.68	467,298,207.12

ANNEXURE 'B' OF SCH '3'**CURRENT LIABILITIES AND PROVISIONS
B(1). SUNDRY CREDITORS**

(Amount in Rs.)

Particulars	Opening Balance as on April 01, 2016	Receipts During the Year	Payments During the Year	Journal Entry	As at March 31, 2017	As at March 31, 2016
INSTITUTE	-					
Loan Account of PDTC & Industrial Estate	14,422,026.00	301,894.00	-		14,723,920.00	14,422,026.00
SUBSIDIARIES						
Project Account - Transferable amount to R&C Cell	590,563.00				590,563.00	590,563.00
R&C Cell - Payable to RES, Bhadhoi	39,325.00				39,325.00	39,325.00
R&C Cell - Testing & Consultancy	25,068,504.00	16,715,496.00	21,973,192.00		19,810,808.00	25,068,504.00
R&C Cell -Workshop Participation fees		56,000.00			56,000.00	
R&C Cell - CCB	18,278,242.39				18,278,242.39	18,278,242.39
TOTAL	58,398,660.39	17,073,390.00	21,973,192.00	-	53,498,858.39	58,398,660.39

ANNEXURE 'B' OF SCH '3'**CURRENT LIABILITIES AND PROVISIONS
B(3). RECEIPTS AGAINST SPONSORED FELLOWSHIPS & SCHOLARSHIPS**

(Amount in Rs.)

HEAD OF ACCOUNT	Opening Balance as on 01/04/2016		Transaction During the Year 2016-17		Closing Balance as on 31/03/2017	
	Debit	Credit	Debit	Credit	Debit	Credit
INSTITUTE						
ICSSR - Fellowship (Doctoral)	-	159,489.00			-	159,489.00
NRSA Project - Satellite Data Compression Decomposition	-	218,279.00			-	218,279.00
U.G.C.	-	-	708,859.00	708,859.00	-	-
QIP Stipend & Contingency	-	45,915.00		44,026.00	-	89,941.00
Outside Scholarship	-	281,655.00	5,060,662.00	7,428,324.00	-	2,649,317.00
U.G.C. Fellowship	-	469,955.00	393,859.00		-	76,096.00
AIEEE Scholarship	-	1,400,000.00	1,295,000.00		-	105,000.00

SUBSIDIARIES	-					
Project Account :	-					
Project (Running)	-	37,702,927.00	37,996,527.00	37,038,291.00	-	36,744,691.00
Project (Deferred Grant)	-	60,807,739.00	-	9,259,218.00		70,066,957.00
Total	-	101,085,959.00	45,454,907.00	54,478,718.00	-	110,109,770.00

ANNEXURE 'B' OF SCH '3'

B(4). OTHER CURRENT LIABILITIES- UNUTILISED GRANTS

(Amount-Rs)

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
CENTRAL GOVERNMENT - NON PLAN		
Balance B/F	113,928,334.93	168,536,403.93
Add: Receipts during the year		
i. Donation/Grants	458,000,000.00	380,000,000.00
ii. Institute Receipts	241,533,036.00	229,170,308.00
Total (a)	813,461,370.93	777,706,711.93
Less: Utilisation/Expenditure towards objectives of funds		
i. Capital Expenditure	-	-
ii. Revenue Expenditure	733,317,482.00	663,778,377.00
Total (b)	733,317,482.00	663,778,377.00
Unutilised carried forward (a-b)	80,143,888.93	113,928,334.93
CENTRAL GOVERNMENT - PLAN		
Balance B/F	(9,932,321.70)	(156,835,042.70)
Add: Receipts during the year		
i. Donation/Grants	570,000,000.00	550,000,000.00
TOTAL (a)	560,067,678.30	393,164,957.30
Less: Utilisation/Expenditure towards objectives of funds		
i. Capital Expenditure	45,082,864.00	211,884,663.00
ii. Revenue Expenditure	189,846,068.00	191,212,616.00
Total (b)	234,928,932.00	403,097,279.00
Unutilised carried forward (a-b)	325,138,746.30	(9,932,321.70)

ANNEXURE 'B' OF SCH '3'**CURRENT LIABILITIES AND PROVISIONS
B(5). OTHER CURRENT LIABILITIES- OTHER FUNDS**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2016	Receipts During the Year	Payments During the Year	As at March 31, 2017	As at March 31, 2016
Bal Bharti Vidyalaya (Const of Building)	150,000.00			150,000.00	150,000.00
NMEICT Scheme	118,324.00		118,324.00	-	118,324.00
TEQIP-I Fund (Balance Fund)	7,084,346.00			7,084,346.00	7,084,346.00
NIMCET Scheme	-	191,000.00	191,000.00	-	-
Total	7,352,670.00	191,000.00	309,324.00	7,234,346.00	7,352,670.00

ANNEXURE 'B' OF SCH '3'**CURRENT LIABILITIES AND PROVISIONS
B (6). OTHER CURRENT LIABILITIES- OTHER LIABILITIES**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2016	Receipts During the Year	Payments During the Year	As at March 31, 2017	As at March 31, 2016
Cancelled Cheques	15,269,745.00	807,541.00	1,579,108.00	14,498,178.00	15,269,745.00
DST New Delhi/Inspire	1,587,635.00	3,130,420.00	4,089,338.00	628,717.00	1,587,635.00
Examination Fees	34,756,982.00	13,284,000.00	1,274,114.00	46,766,868.00	34,756,982.00
L.I.C.	504,021.80	665,399.90	729,310.00	440,111.70	504,021.80
M.Tech (Part Time)	4,409,976.00			4,409,976.00	4,409,976.00
Diety Programme	2,600,025.00	5,232,789.00	5,232,789.00	2,600,025.00	2,600,025.00
Other Liabilities (Misc. Receipt Transfer)	10,822,847.00	10,714,712.00	10,929,676.14	10,607,882.86	10,822,847.00
Retirement Benefit Received From Other Institution	4,066,715.00	284,808.00		4,351,523.00	4,066,715.00
Recoverable Deposit- Institute-Group Insurance Scheme	(126,154.00)	1,543,392.00	1,279,007.00	138,231.00	(126,154.00)
Excess fees deposited	-	-		-	-
Caution Money	24,605,808.00	5,758,000.00	2,728,000.00	27,635,808.00	24,605,808.00
Earnest Money/ Security Money	10,631,050.00	621,496.00	999,847.00	10,252,699.00	10,631,050.00
Project Account Dean R & C	1,986,451.00	3,846,588.00	1,282,853.00	4,550,186.00	1,986,451.00

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Gain Project	2,992,000.00	4,896,000.00	3,991,979.50	3,896,020.50	2,992,000.00
Payable to Industrial Estate on A/c TDS		109,398.00		109,398.00	
LSDSS Project 2015	27,430.00			27,430.00	27,430.00
Project A/c	-	1,794,000.00	1,794,000.00	-	-
Prayag Project	538.00			538.00	538.00
Union Donation	-	135,000.00	135,000.00	-	-
SUBSIDIARIES					
Alumni Association - Amount Payable	4,501,050.00	448,500.00		4,949,550.00	4,501,050.00
Dean Academics - Cancelled Cheques	131,065.00	88,500.00		219,565.00	131,065.00
Industrial Estate - Expenses Payable	126,518.00	32,570.00		159,088.00	126,518.00
Project Account - Accounting Charges Payable	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
Project Account - Salary Payable	113,068.00			113,068.00	113,068.00
Project Account - MNNIT	8,721,325.00			8,721,325.00	8,721,325.00
Project Account - Receipt From Teqip	1,960,873.00			1,960,873.00	1,960,873.00
Project Account - University of Allahabad	-			-	-
R&C Cell - Cancelled Cheques	63,305.00			63,305.00	63,305.00
R&C Cell - Expenses Payable	22,000.00	32,000.00	20,000.00	34,000.00	22,000.00
SNFCE- Cancelled Cheque	30,200.00	39,150.00	8,750.00	60,600.00	30,200.00
Caution Money	422,655.00			422,655.00	422,655.00
Earnest Money/ Security Money	241,404.00			241,404.00	241,404.00
Security Received (Industrial Estate)	53,340.00			53,340.00	53,340.00
Total	130,541,872.80	53,484,263.90	36,093,771.64	147,932,365.06	130,541,872.80

ANNEXURE 'B' OF SCH '3'

**CURRENT LIABILITIES AND PROVISIONS
B (7). PROVISION- EXPENSES PAYABLE**

(Amount in Rs.)

Particulars	As at March 31, 2017		As at March 31, 2016	
Salaries & Wages :				
Pay Direction & Teaching	8,077,186.00		8,242,020.00	
Pay Administrative Officer	397,710.00		440,690.00	
Pay Other Staff	2,364,240.00	10,839,136.00	2,565,913.00	11,248,623.00
Dearness Allowances:				

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Direction & Teaching	10,661,904.00		9,808,022.00	
Administrative Officer	524,979.00		524,422.00	
Other Staff	3,120,792.00	14,307,675.00	3,053,434.00	13,385,878.00
HRA:				
Direction & Teaching	238,575.00		265,078.00	
Administrative Officer	41,574.00		45,644.00	
Other Staff	229,394.00	509,543.00	278,432.00	589,154.00
Transport Allowances:				
Direction & Teaching	658,790.00		655,248.00	
Administrative Officer	51,968.00		50,808.00	
Other Staff	309,952.00	1,020,710.00	315,118.00	1,021,174.00
Family Planning Incentive Allowance		15,520.00		16,640.00
Washing Allowance		8,730.00		9,630.00
Special Allowance		85,777.00		73,575.00
Deans Honorarium		28,000.00		21,000.00
Cash Handling Allowance		230.00		230.00
Medical Allowance		191,000.00		182,500.00
ARREARS				
Pay Revision - Teaching/ Non Teaching				891,845.00
Pensioners		164,050.00		
C.A. Fees Payable		207,000.00		207,000.00
C.P.F. Payable		20,381.00		19,786.00
Electricity & Power Payable				
Institute			9,247,858.00	
Colony			157,075.00	
Hostel		-	-	9,404,933.00
Pay on Contractual Staff		5,377,805.00		4,176,398.00
Security Charges Payable		2,383,213.00		2,247,189.00
Telephone Expenses Payable		310,934.00		266,948.00
Total		35,469,704.00		43,762,503.00

(Amount-Rs)

SCHEDULE 4-FIXED ASSETS (INSTITUTE)

Tangible Assets	Gross Block			Depreciation			Net Block		
	Opening Balance on 01.04.2016	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year (SLM)	Adjustment during the year	Total up to the year-end	As at the current year ended 31.03.2017	As at the current year ended 31.03.2016
Institute									
1. Land	52,145,714.00		52,145,714.00		-			52,145,714.00	52,145,714.00
2. Buildings	1,246,224,623.48	16,604,351.00	1,262,828,974.48	263,765,205.00	25,256,580.00	-	289,021,785.00	973,807,189.48	982,459,418.48
3.Plant, machinery and equipment	689,870,522.19	6,911,682.00	696,782,204.19	322,260,806.00	34,839,110.00	-	357,099,916.00	339,682,288.19	367,609,716.19
4. Vehicles	5,974,812.00	-	5,974,812.00	5,574,283.00	154,036.00	(241,546.85)	5,486,772.15	488,039.85	400,529.00
5. Furniture and fixtures	146,579,252.00	1,426,648.00	148,005,900.00	91,958,445.00	7,160,690.00	(2,937,474.70)	96,181,660.30	51,824,239.70	54,620,807.00
6. Office equipment	19,600,674.05	3,627,461.00	23,228,135.05	11,061,443.00	1,336,319.25	-	12,397,762.25	10,830,372.80	8,539,231.05
7. Computer peripherals	228,994,416.90	8,026,633.00	237,021,049.90	244,911,640.00	13,477,126.00	(62,676,278.75)	195,712,487.25	41,308,562.65	(15,917,223.10)
8. Electric installations	110,874,490.00	2,210,220.00	113,084,710.00	59,612,931.00	5,654,236.00	-	65,267,167.00	47,817,543.00	51,261,559.00
9. Library books	187,805,727.00	-	187,805,727.00	172,087,421.00	13,195,132.00	(13,716,396.45)	171,566,156.55	16,239,570.45	15,718,306.00
10. Other fixed assets	85,061,477.60	-	85,061,477.60	28,267,433.00	5,307,924.00	(609,122.10)	32,966,234.90	52,095,242.70	56,794,044.60
11. Tube wells & water supply	2,002,100.00	174,353.00	2,176,453.00	746,229.00	43,529.00	-	789,758.00	1,386,695.00	1,255,871.00
Total (A)	2,775,133,809.22	38,981,348.00	2,814,115,157.22	1,200,245,836.00	106,424,682.25	(80,180,818.85)	1,226,489,699.40	1,587,625,457.82	1,574,887,973.22
Intangible Assets (B)									
Computer Software (Dep: 40%)	2,242,800.00	2,297,810.00	4,540,610.00	1,794,240.00	1,367,684.00	-	3,161,924.00	1,378,686.00	448,560.00
E-Journals (Dep: 40%)	98,644,137.13	3,803,706.00	102,447,843.13	40,927,307.00	39,483,569.33	3,042,964.80	83,453,841.13	18,994,002.00	57,716,830.13
Total (B)	100,886,937.13	6,101,516.00	106,988,453.13	42,721,547.00	40,851,253.33	3,042,964.80	86,615,765.13	20,372,688.00	58,165,390.13
Capital works	3,165,821.00		3,165,821.00					3,165,821.00	3,165,821.00

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in progress (C)									
Total (C)	3,165,821.00	-	3,165,821.00	-	-	-	-	3,165,821.00	3,165,821.00
Grand Total (A+B+C)	2,879,186,567.35	45,082,864.00	2,924,269,431.35	1,242,967,383.00	147,275,935.58	77,137,854.05	1,313,105,464.53	1,611,163,966.82	1,636,219,184.35

SCHEDULE 4-FIXED ASSETS (SUBSIDIARY)

(Amount-Rs)

Tangible Assets	Gross Block			Depreciation			Net Block	
	Opening Balance on 01.04.2016	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year(SLM)	Total up to the year-end	As at the current year ended 31.03.2017	As at the current year ended 31.03.2016
Institute								
1. Land	-	-	-	-	-	-	-	-
2. Buildings	-	-	-	-	-	-	-	-
3.Plant, machinery and equipment	65,612,675.00	7,392,139.00	73,004,634.00	3,280,634.00	3,650,241.00	6,930,875.00	66,073,939.00	62,332,041.00
4. Vehicles	-	-	-	-	-	-	-	-
5. Furniture and fixtures	949,664.61	-	949,664.61	71,225.00	71,225.00	142,450.00	807,214.61	878,439.61
6. Office equipment	969,410.00	6,585,374.00	7,554,784.00	72,706.00	966,610.00	639,316.00	6,915,468.00	896,704.00
7. Computer peripherals	23,524,121.64	2,820,973.00	26,345,094.64	4,704,824.00	5,269,019.00	9,973,843.00	16,371,251.64	18,819,297.64
8. Electric installations	952,157.00	1,834,154.00	2,786,311.00	47,608.00	139,316.00	186,924.00	2,599,387.00	904,549.00
9. Library books	14,682,996.00	20,000.00	14,702,996.00	1,468,300.00	1,470,300.00	2,938,600.00	11,764,396.00	13,214,696.00
10. Other fixed assets	1,015,359.00	23,358.00	1,038,717.00	-	155,808.00	155,808.00	882,909.00	1,015,359.00
11. Tube wells and water supply	-	-	-	-	-	-	-	-
Total	107,706,383.25	18,675,998.00	126,382,381.25	9,645,297.00	11,322,519.00	20,967,816.00	105,414,565.25	98,061,086.25

SCHEDULE 4-FIXED ASSETS (SUBSIDIARY & INSTITUTE)

Total Assets	Gross Block			Depreciation			Net Block		
	Opening Balance on 01.04.2016	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year(SLM)	Adjustment during the year	Total up to the year-end	As at the current year ended 31.03.2017	As at the current year ended 31.03.2016
Tangible Assets:									
Institute	2,775,133,809.22	38,981,348.00	2,814,115,157.22	1,200,245,836.00	106,424,682.25	80,180,818.85	1,226,489,699.40	1,587,625,457.82	1,574,887,973.22

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Subsidiary	107,706,383.25	18,675,998.00	126,382,381.25	9,645,297.00	11,322,519.00	-	20,967,816.00	105,414,565.25	98,061,086.25
Total (A)	2,882,840,192.47	57,657,346.00	2,940,497,538.47	1,209,891,133.00	117,747,201.25	80,180,818.85	1,249,457,545.40	1,693,040,023.07	1,672,949,059.47
Intangible Assets (Institute) (B)	100,886,937.13	6,101,516.00	106,988,453.13	42,721,547.00	40,851,253.33	3,042,964.80	86,615,765.13	20,372,688.00	58,165,390.13
Capital works in progress (Inst.) (C)	3,165,821.00	-	3,165,821.00	-	-	-	-	3,165,821.00	3,165,821.00
Total (A+B+C)	2,986,892,950.60	54,824,445.00	3,050,651,812.60	1,252,612,680.00	158,598,454.58	-77,137,854.05	1,334,073,280.53	1,716,578,532.07	1,734,280,270.60

Annexure 'C' of SCH 4

FIXED ASSETS
C(1). BUILDINGS

(Amount in Rs.)

Description	Gross block			Depreciation			Net Block	
	As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year 16-17	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:								
Upto the year 2013-14	241,488,790.00	-	241,488,790.00	126,772,943.00	4,829,776.00	131,602,719.00	109,886,071.00	114,715,847.00
Sub Total	241,488,790.00	-	241,488,790.00	126,772,943.00	4,829,776.00	131,602,719.00	109,886,071.00	114,715,847.00
Assets out of Deferred Government Grants:								
Upto the year 2013-14	959,401,558.48	-	959,401,558.48	135,514,837.00	19,188,031.00	154,702,868.00	804,698,690.48	823,886,721.48
During the year 2014-15	26,819,631.00	-	26,819,631.00	1,072,786.00	536,393.00	1,609,179.00	25,210,452.00	25,746,845.00
During the year 2015-16	18,385,669.00	-	18,385,669.00	367,713.00	367,713.00	735,426.00	17,650,243.00	18,017,956.00
During the year 2016-17	-	16,604,351.00	16,604,351.00	-	332,087.00	332,087.00	16,272,264.00	-
Sub Total	1,004,606,858.48	16,604,351.00	1,021,211,209.48	136,955,336.00	20,424,224.00	157,379,560.00	863,831,649.48	867,651,522.48
Assets out of Institute Receipts								
Upto the year 2013-14	128,975.00	-	128,975.00	36,926.00	2,580.00	39,506.00	89,469.00	92,049.00
Sub Total	128,975.00	-	128,975.00	36,926.00	2,580.00	39,506.00	89,469.00	92,049.00
Total	1,246,224,623.48	16,604,351.00	1,262,828,974.48	263,765,205.00	25,256,580.00	289,021,785.00	973,807,189.48	982,459,418.48

FIXED ASSETS
C(2). PLANT, MACHINERY & EQUIPMENT

(Amount in Rs.)

Description	Dep. Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:									
Upto the year 2013-14	5%- SLM	298,881,441.00	-	298,881,441.00	250,504,079.00	14,944,072.00	265,448,151.00	33,433,290.00	48,377,362.00
Sub Total		298,881,441.00	-	298,881,441.00	250,504,079.00	14,944,072.00	265,448,151.00	33,433,290.00	48,377,362.00
Assets out of Deferred Government Grants:									
Upto the year 2013-14	5%- SLM	185,411,412.19		185,411,412.19	54,904,700.00	9,270,570.00	64,175,270.00	121,236,142.19	130,506,712.19
During the year 2014-15		130,211,152.00		130,211,152.00	13,021,116.00	6,510,558.00	19,531,674.00	110,679,478.00	117,190,036.00
During the year 2015-16		75,211,037.00		75,211,037.00	3,760,552.00	3,760,552.00	7,521,104.00	67,689,933.00	71,450,485.00
During the year 2016-17			6,911,682.00	6,911,682.00	-	345,584.00	345,584.00	6,566,098.00	-
Sub Total		390,833,601.19	6,911,682.00	397,745,283.19	71,686,368.00	19,887,264.00	91,573,632.00	306,171,651.19	319,147,233.19
Assets out of Institute Receipts-									
Upto the year 2013-14	5%- SLM	155,480.00	-	155,480.00	70,359.00	7,774.00	78,133.00	77,347.00	85,121.00
Sub Total		155,480.00	-	155,480.00	70,359.00	7,774.00	78,133.00	77,347.00	85,121.00
Total		689,870,522.19	6,911,682.00	696,782,204.19	322,260,806.00	34,839,110.00	357,099,916.00	339,682,288.19	367,609,716.19

Description	Dep. Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depre.during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Subsidiaries Fund									
TEQIP II									
Upto the year 2013-14	5%- SLM	6,576,788.00		6,576,788.00	328,839.00	328,839.00	657,678.00	5,919,110.00	6,247,949.00

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During the year 2014-15		5,237,939.00		5,237,939.00	261,897.00	261,897.00	523,794.00	4,714,145.00	4,976,042.00
During the year 2016-17			2,621,943.00	2,621,943.00	-	131,097.00	131,097.00	2,490,846.00	
Sub Total		11,814,727.00	2,621,943.00	14,436,670.00	590,736.00	721,833.00	1,312,569.00	13,124,101.00	11,223,991.00
Dean Academic Affairs									
Upto the year 2013-14		15,380.00		15,380.00	769.00	769.00	1,538.00	13,842.00	14,611.00
Sub Total		15,380.00	-	15,380.00	769.00	769.00	1,538.00	13,842.00	14,611.00
Project Account									
Upto the year 2013-14		42,125,805.00		42,125,805.00	2,106,291.00	2,106,291.00	4,212,582.00	37,913,223.00	40,019,514.00
During the year 2014-15		5,500,859.00		5,500,859.00	275,043.00	275,043.00	550,086.00	4,950,773.00	5,225,816.00
During the year 2015-16		4,519,929.00		4,519,929.00	225,996.00	225,996.00	451,992.00	4,067,937.00	4,293,933.00
During the year 2016-17		-	4,592,746.00	4,592,746.00		229,637.00	229,637.00	4,363,109.00	-
Sub Total		52,146,593.00	4,592,746.00	56,739,339.00	2,607,330.00	2,836,967.00	5,444,297.00	51,295,042.00	49,539,263.00
R&C Cell									
Upto the year 2013-14		1,607,475.00		1,607,475.00	80,374.00	80,374.00	160,748.00	1,446,727.00	1,527,101.00
During the year 2015-16		28,500.00		28,500.00	1,425.00	1,425.00	2,850.00	25,650.00	27,075.00
During the year 2016-17			177,450.00	177,450.00		8,873.00	8,873.00	168,577.00	-
Sub Total		1,635,975.00	177,450.00	1,813,425.00	81,799.00	90,672.00	172,471.00	1,640,954.00	1,554,176.00
Total		65,612,675.00	7,392,139.00	73,004,814.00	3,280,634.00	3,650,241.00	6,930,875.00	66,073,939.00	62,332,041.00

ANNEXURE 'C' OF SCH 4

**FIXED ASSETS
C(3). VEHICLES**

(Amount in Rs.)

Description	Depreciation Rate	Gross Block		Depreciation			Net Block		
		As at April 01, 2016	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	Adjustment during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:	10%- SLM								-
Upto the year 2013-14		4,434,457.00	4,434,457.00	4,454,281.00	-	(241,546.85)	4,212,734.15	221,722.85	(19,824.00)
Sub Total		4,434,457.00	4,434,457.00	4,454,281.00	-	(241,546.85)	4,212,734.15	221,722.85	(19,824.00)
Assets out of Deferred Government Grants:									
Upto the year 2013-14		1,540,355.00	1,540,355.00	1,120,002.00	154,036.00	-	1,274,038.00	266,317.00	420,353.00
Sub Total		1,540,355.00	1,540,355.00	1,120,002.00	154,036.00	-	1,274,038.00	266,317.00	420,353.00
Total		5,974,812.00	5,974,812.00	5,574,283.00	154,036.00	(241,546.85)	5,486,772.15	488,039.85	400,529.00

FIXED ASSETS
C(4). FURNITURE & FIXTURES

(Amount in Rs.)

Description	Dep. Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	Adjustment during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:	7.5%-SLM									-
Upto the year 13-14		52,530,034.00	-	52,530,034.00	52,841,007.00	-	(2,937,474.70)	49,903,532.30	2,626,501.70	(310,973.00)
Sub Total		52,530,034.00	-	52,530,034.00	52,841,007.00	-	(2,937,474.70)	49,903,532.30	2,626,501.70	(310,973.00)
Assets out of Deferred Govt. Grants:	7.5%-SLM									
Upto the year 3-14		62,726,460.00		62,726,460.00	34,306,145.00	4,704,485.00	-	39,010,630.00	23,715,830.00	28,420,315.00
During the year 2014-15		26,520,319.00		26,520,319.00	3,978,046.00	1,989,023.00	-	5,967,069.00	20,553,250.00	22,542,273.00
During the year 2015-16		4,052,263.00		4,052,263.00	303,920.00	303,920.00	-	607,840.00	3,444,423.00	3,748,343.00
During the year 2016-17			1,426,648.00	1,426,648.00		106,999.00	-	106,999.00	1,319,649.00	-
Sub Total		93,299,042.00	1,426,648.00	94,725,690.00	38,588,111.00	7,104,427.00	-	45,692,538.00	49,033,152.00	54,710,931.00
Assets out of Institute Receipts	7.5%-SLM									
Upto the year 2013-14		750,176.00	-	750,176.00	529,327.00	56,263.00	-	585,590.00	164,586.00	220,849.00
Sub Total		750,176.00	-	750,176.00	529,327.00	56,263.00	-	585,590.00	164,586.00	220,849.00
Total		146,579,252.00	1,426,648.00	148,005,900.00	91,958,445.00	7,160,690.00	(2,937,474.70)	96,181,660.30	51,824,239.70	54,620,807.00

Description	Gross Block			Depreciation			Net Block		
	As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	Adjustment during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Subsidiaries Fund									
Alumni Association									

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During the year 2014-15	52,977.61		52,977.61	3,973.00	3,973.00		7,946.00	45,031.61	49,004.61
During the year 2015-16	274,210.00		274,210.00	20,566.00	20,566.00		41,132.00	233,078.00	253,644.00
Sub Total	327,187.61	-	327,187.61	24,539.00	24,539.00	-	49,078.00	278,109.61	302,648.61
Project Account									
Upto the year 2013-14	300,307.00		300,307.00	22,523.00	22,523.00		45,046.00	255,261.00	277,784.00
During the year 2015-16	11,000.00		11,000.00	825.00	825.00		1,650.00	9,350.00	10,175.00
Sub Total	311,307.00	-	311,307.00	23,348.00	23,348.00	-	46,696.00	264,611.00	287,959.00
R&C Cell									
Upto the year 2013-14	65,806.00		65,806.00	4,935.00	4,935.00		9,870.00	55,936.00	60,871.00
During the year 2014-15	133,568.00		133,568.00	10,018.00	10,018.00		20,036.00	113,532.00	123,550.00
Sub Total	199,374.00	-	199,374.00	14,953.00	14,953.00	-	29,906.00	169,468.00	184,421.00
Dean Academic									
During the year 2015-16	45,561.00		45,561.00	3,417.00	3,417.00		6,834.00	38,727.00	42,144.00
Sub Total	45,561.00	-	45,561.00	3,417.00	3,417.00	-	6,834.00	38,727.00	42,144.00
School of Non Formal Continuing Education (SNFCE)									
Upto the year 2013-14	66,235.00		66,235.00	4,968.00	4,968.00		9,936.00	56,299.00	61,267.00
Sub Total	66,235.00	-	66,235.00	4,968.00	4,968.00	-	9,936.00	56,299.00	61,267.00
Total	949,664.61	-	949,664.61	71,225.00	71,225.00	-	142,450.00	807,214.61	878,439.61

ANNEXURE 'C' OF SCH 4

**FIXED ASSETS
C(5). OFFICE EQUIPMENT**

(Amount in Rs.)

Description	Dep. Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:	7.5%- SLM	-	-	-	-	-	-	-	-
Upto the year 2013-14		5,476,615.00	-	5,476,615.00	5,197,829.00	4,955.25	5,202,784.25	273,830.75	278,786.00
Sub Total		5,476,615.00	-	5,476,615.00	5,197,829.00	4,955.25	5,202,784.25	273,830.75	278,786.00
Assets out of Deferred Government Grants:	7.5%- SLM								

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Upto the year 2013-14		11,413,424.05	-	11,413,424.05	5,500,883.00	856,007.00	6,356,890.00	5,056,534.05	5,912,541.05
During the year 2014-15		1,798,820.00	-	1,798,820.00	269,822.00	134,911.00	404,733.00	1,394,087.00	1,528,998.00
During the year 2015-16		858,774.00	-	858,774.00	64,408.00	64,408.00	128,816.00	729,958.00	794,366.00
During the year 2016-17		-	3,627,461.00	3,627,461.00		272,060.00	272,060.00	3,355,401.00	-
Sub Total		14,071,018.05	3,627,461.00	17,698,479.05	5,835,113.00	1,327,386.00	7,162,499.00	10,535,980.05	8,235,905.05
Assets out of Institute Receipts	7.5%- SLM								
Upto the year 2013-14		53,041.00	-	53,041.00	28,501.00	3,978.00	32,479.00	20,562.00	24,540.00
Sub Total		53,041.00	-	53,041.00	28,501.00	3,978.00	32,479.00	20,562.00	24,540.00
Total		19,600,674.05	3,627,461.00	23,228,135.05	11,061,443.00	1,336,319.25	12,397,762.25	10,830,372.80	8,539,231.05

Description	Dep Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Subsidiaries Fund	7.5%- SLM								
Dean Academic Affairs									
Upto the year 2013-14		76,070.00		76,070.00	5,705.00	5,705.00	11,410.00	64,660.00	70,365.00
During the year 2016-17			272,900.00	272,900.00		20,468.00	20,468.00	252,432.00	-
Sub Total		76,070.00	272,900.00	348,970.00	5,705.00	26,173.00	31,878.00	317,092.00	70,365.00
Nodal Centre									
Upto the year 2013-14		62,405.00		62,405.00	4,680.00	4,680.00	9,360.00	53,045.00	57,725.00
Sub Total		62,405.00	-	62,405.00	4,680.00	4,680.00	9,360.00	53,045.00	57,725.00
R&C Cell									
Upto the year 2013-14		69,243.00		69,243.00	5,193.00	5,193.00	10,386.00	58,857.00	64,050.00
Sub Total		69,243.00	-	69,243.00	5,193.00	5,193.00	10,386.00	58,857.00	64,050.00
Dean Academic Affairs									
Upto the year 2013-14		52,520.00		52,520.00	3,939.00	3,939.00	7,878.00	44,642.00	48,581.00
During the year 2014-15		97,650.00		97,650.00	7,324.00	7,324.00	14,648.00	83,002.00	90,326.00
During the year 2015-16		229,450.00		229,450.00	17,209.00	17,209.00	34,418.00	195,032.00	212,241.00
Sub Total		379,620.00	-	379,620.00	28,472.00	28,472.00	56,944.00	322,676.00	351,148.00
TEQUIP-II									
During the year 2015-16		92,398.00		92,398.00	6,930.00	6,930.00	13,860.00	78,538.00	85,468.00

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During the year 2016-17			6,312,474.00	6,312,474.00		473,436.00	473,436.00	5,839,028.00	
Sub Total		92,398.00		6,404,872.00	6,930.00	480,366.00	487,296.00	5,917,576.00	85,468.00
Student Welfare Fund									
Upto the year 2013-14		289,674.00		289,674.00	21,726.00	21,726.00	43,452.00	246,222.00	267,948.00
Sub Total		289,674.00	-	289,674.00	21,726.00	21,726.00	43,452.00	246,222.00	267,948.00
Total		969,410.00	6,585,374.00	7,554,784.00	72,706.00	566,610.00	639,316.00	6,915,468.00	896,704.00

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C(6). COMPUTER & PERIPHERALS

(Amount in Rs.)

Description	Dep Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	Adjustment during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:	20%- SLM									
Upto the year 2013-14		71,328,288.00	-	71,328,288.00	99,853,892.00	-	(32,092,018.40)	67,761,873.60	3,566,414.40	(28,525,604.00)
Sub Total		71,328,288.00	-	71,328,288.00	99,853,892.00	-	(32,092,018.40)	67,761,873.60	3,566,414.40	(28,525,604.00)
Assets out of Deferred Government Grants:										
Upto the year 2013-14		96,975,819.90		96,975,819.90	122,149,242.00		(30,022,213.10)	92,127,028.90	4,848,791.00	(25,173,422.10)
During the year 2014-15		46,049,592.00		46,049,592.00	18,419,837.00	9,209,917.00		27,629,754.00	18,419,838.00	27,629,755.00
During the year 2015-16		13,309,412.00		13,309,412.00	2,661,882.00	2,661,882.00		5,323,764.00	7,985,648.00	10,647,530.00
During the year 2016-17			8,026,633.00	8,026,633.00		1,605,327.00		1,605,327.00	6,421,306.00	-
Sub Total		156,334,823.90	8,026,633.00	164,361,456.90	143,230,961.00	13,477,126.00	(30,022,213.10)	126,685,873.90	37,675,583.00	13,103,862.90
Assets out of Institute Receipts										
Upto the year 2013-14		1,331,305.00	-	1,331,305.00	1,826,787.00	-	(562,047.25)	1,264,739.75	66,565.25	(495,482.00)
Sub Total		1,331,305.00	-	1,331,305.00	1,826,787.00	-	(562,047.25)	1,264,739.75	66,565.25	(495,482.00)

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Total	228,994,416.90	8,026,633.00	237,021,049.90	244,911,640.00	13,477,126.00	(62,676,278.75)	195,712,487.25	41,308,562.65	(15,917,223.10)
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Description	Dep. Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Subsidiaries Fund	20%-SLM								
Alumni Association									
Upto the year 2013-14		65,193.00		65,193.00	13,039.00	13,039.00	26,078.00	39,115.00	52,154.00
During the year 2014-15		27,965.64		27,965.64	5,593.00	5,593.00	11,186.00	16,779.64	22,372.64
During the year 2015-16		269,632.00		269,632.00	53,926.00	53,926.00	107,852.00	161,780.00	215,706.00
During the year 2016-17				-		-	-	-	-
Sub Total		362,790.64	-	362,790.64	72,558.00	72,558.00	145,116.00	217,674.64	290,232.64
Dean Academic Affairs									
Upto the year 2013-14		34,500.00		34,500.00	6,900.00	6,900.00	13,800.00	20,700.00	27,600.00
During the year 2015-16		17,775.00		17,775.00	3,555.00	3,555.00	7,110.00	10,665.00	14,220.00
During the year 2016-17			8,655.00	8,655.00		1,731.00	1,731.00	6,924.00	-
Sub Total		52,275.00	8,655.00	60,930.00	10,455.00	12,186.00	22,641.00	38,289.00	41,820.00
Industrial Estate									
Upto the year 2013-14		43,877.00		43,877.00	8,775.00	8,775.00	17,550.00	26,327.00	35,102.00
During the year 2015-16		14,495.00		14,495.00	2,899.00	2,899.00	5,798.00	8,697.00	11,596.00
Sub Total		58,372.00	-	58,372.00	11,674.00	11,674.00	23,348.00	35,024.00	46,698.00
Nodal Centre									
Upto the year 2013-14		85,306.00		85,306.00	17,061.00	17,061.00	34,122.00	51,184.00	68,245.00
Sub Total		85,306.00	-	85,306.00	17,061.00	17,061.00	34,122.00	51,184.00	68,245.00
Project Account									
Upto the year 2013-14		6,555,940.00		6,555,940.00	1,311,188.00	1,311,188.00	2,622,376.00	3,933,564.00	5,244,752.00
During the year 2014-15		311,440.00		311,440.00	62,288.00	62,288.00	124,576.00	186,864.00	249,152.00
During the year 2015-16		109,394.00		109,394.00	21,879.00	21,879.00	43,758.00	65,636.00	87,515.00
During the year 2016-17			2,812,318.00	2,812,318.00		562,464.00	562,464.00	2,249,854.00	-
Sub Total		6,976,774.00	2,812,318.00	9,789,092.00	1,395,355.00	1,957,819.00	3,353,174.00	6,435,918.00	5,581,419.00
R&C Cell									
Upto the year 2013-14		15,812,923.00		15,812,923.00	3,162,585.00	3,162,585.00	6,325,170.00	9,487,753.00	12,650,338.00

During the year 2014-15		21,131.00		21,131.00	4,226.00	4,226.00	8,452.00	12,679.00	16,905.00
During the year 2015-16		154,550.00		154,550.00	30,910.00	30,910.00	61,820.00	92,730.00	123,640.00
Sub Total		15,988,604.00	-	15,988,604.00	3,197,721.00	3,197,721.00	6,395,442.00	9,593,162.00	12,790,883.00
Total		23,524,121.64	2,820,973.00	26,345,094.64	4,704,824.00	5,269,019.00	9,973,843.00	16,371,251.64	18,819,297.64

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C (7). ELECTRIC INSTALLATIONS

(Amount in Rs.)

Description	Dep Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Dept. during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:	5%- SLM								
Upto the year 2013-14		6,663,970.00	-	6,663,970.00	5,676,351.00	333,199.00	6,009,550.00	654,420.00	987,619.00
Sub Total		6,663,970.00	-	6,663,970.00	5,676,351.00	333,199.00	6,009,550.00	654,420.00	987,619.00
Assets out of Deferred Government Grants:	5%- SLM								
Upto the year 2013-14		102,154,196.00		102,154,196.00	53,663,322.00	5,107,710.00	58,771,032.00	43,383,164.00	48,490,874.00
During the year 2014-15		568,883.00		568,883.00	56,888.00	28,444.00	85,332.00	483,551.00	511,995.00
During the year 2015-16		1,260,341.00		1,260,341.00	63,017.00	63,017.00	126,034.00	1,134,307.00	1,197,324.00
During the year 2016-17			2,210,220.00	2,210,220.00		110,511.00	110,511.00	2,099,709.00	-
Sub Total		103,983,420.00	2,210,220.00	106,193,640.00	53,783,227.00	5,309,682.00	59,092,909.00	47,100,731.00	50,200,193.00
Assets out of Institute Receipts	5%- SLM								
Upto the year 2013-14		227,100.00	-	227,100.00	153,353.00	11,355.00	164,708.00	62,392.00	73,747.00
Sub Total		227,100.00	-	227,100.00	153,353.00	11,355.00	164,708.00	62,392.00	73,747.00
Total		110,874,490.00	2,210,220.00	113,084,710.00	59,612,931.00	5,654,236.00	65,267,167.00	47,817,543.00	51,261,559.00

Description	Dep. Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Subsidiaries Fund	5%- SLM								

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Project Account									
Upto the year 2013-14		362,271.00		362,271.00	18,113.00	18,113.00	36,226.00	326,045.00	344,158.00
During the year 2014-15		188,874.00		188,874.00	9,444.00	9,444.00	18,888.00	169,986.00	179,430.00
During the year 2016-17			1,834,154.00	1,834,154.00		91,708.00	91,708.00	1,742,446.00	-
Sub Total		551,145.00	1,834,154.00	2,385,299.00	27,557.00	119,265.00	146,822.00	2,238,477.00	523,588.00
R&C Cell									
Upto the year 2013-14		18,775.00		18,775.00	939.00	939.00	1,878.00	16,897.00	17,836.00
During the year 2014-15		89,962.00		89,962.00	4,498.00	4,498.00	8,996.00	80,966.00	85,464.00
Sub Total		108,737.00	-	108,737.00	5,437.00	5,437.00	10,874.00	97,863.00	103,300.00
Dean Academics									
During the year 2015-16		168,355.00		168,355.00	8,418.00	8,418.00	16,836.00	151,519.00	159,937.00
Sub Total		168,355.00	-	168,355.00	8,418.00	8,418.00	16,836.00	151,519.00	159,937.00
Student Welfare Fund									
Upto the year 2013-14		123,920.00		123,920.00	6,196.00	6,196.00	12,392.00	111,528.00	117,724.00
Sub Total		123,920.00	-	123,920.00	6,196.00	6,196.00	12,392.00	111,528.00	117,724.00
Total		952,157.00	1,834,154.00	2,786,311.00	47,608.00	139,316.00	186,924.00	2,599,387.00	904,549.00

ANNEXURE 'C' OF SCH 4

**FIXED ASSETS
C(8). LIBRARY BOOKS**

(Amount in Rs.)

Description	Dep. Rate	Gross Block		Depreciation			Net Block		
		As at April 01, 2016	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	Adjustment during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:	10%-SLM								
Upto the year 2013-14		52,764,729.00	52,764,729.00	63,091,239.00		(12,964,746.45)	50,126,492.55	2,638,236.45	(10,326,510.00)
Sub Total		52,764,729.00	52,764,729.00	63,091,239.00	-	(12,964,746.45)	50,126,492.55	2,638,236.45	(10,326,510.00)
Assets out of Deferred Govt. Grants:	10%-SLM								
Upto the year 2013-14		131,724,709.00	131,724,709.00	105,264,014.00	13,172,471.00		118,436,485.00	13,288,224.00	26,460,695.00

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During the year 2014-15		226,609.00	226,609.00	45,322.00	22,661.00		67,983.00	158,626.00	181,287.00
During the year 2016-17		-	-				-	-	-
Sub Total		131,951,318.00	131,951,318.00	105,309,336.00	13,195,132.00	-	118,504,468.00	13,446,850.00	26,641,982.00
Assets out of Inst.Receipts	10%-SLM								
Upto the year 2013-14		3,089,680.00	3,089,680.00	3,686,846.00		(751,650.00)	2,935,196.00	154,484.00	(597,166.00)
Sub Total		3,089,680.00	3,089,680.00	3,686,846.00	-	(751,650.00)	2,935,196.00	154,484.00	(597,166.00)
Total		187,805,727.00	187,805,727.00	172,087,421.00	13,195,132.00	(13,716,396.45)	171,566,156.55	16,239,570.45	15,718,306.00

Description	Dep. Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Dep. during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Subsidiaries Fund	10%-SLM								-
Project Account									
Upto the year 2013-14		715,863.00		715,863.00	71,586.00	71,586.00	143,172.00	572,691.00	644,277.00
During the year 2014-15		75,588.00		75,588.00	7,559.00	7,559.00	15,118.00	60,470.00	68,029.00
During the year 2015-16		30,469.00		30,469.00	3,047.00	3,047.00	6,094.00	24,375.00	27,422.00
During the year 2016-17			20,000.00	20,000.00		2,000.00	2,000.00	18,000.00	-
Sub Total		821,920.00	20,000.00	841,920.00	82,192.00	84,192.00	166,384.00	675,536.00	739,728.00
TEQIP-II									
Upto the year 2013-14		13,861,076.00		13,861,076.00	1,386,108.00	1,386,108.00	2,772,216.00	11,088,860.00	12,474,968.00
Sub Total		13,861,076.00	-	13,861,076.00	1,386,108.00	1,386,108.00	2,772,216.00	11,088,860.00	12,474,968.00
Total		14,682,996.00	20,000.00	14,702,996.00	1,468,300.00	1,470,300.00	2,938,600.00	11,764,396.00	13,214,696.00

FIXED ASSETS
C(9). OTHER FIXED ASSETS

(Amount in Rs.)

Description	Dep. Rate	Gross Block		Depreciation			Net Block		
		As at April 01, 2016	As at March 31, 2017	As at April 01, 2016	Depreciated during the year	Adjustment during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:	7.5%-SLM								
Upto the year 2013-14		14,289,162.00	14,289,162.00	14,183,826.00		(609,122.10)	13,574,703.90	714,458.10	105,336.00
Sub Total		14,289,162.00	14,289,162.00	14,183,826.00	-	(609,122.10)	13,574,703.90	714,458.10	105,336.00
Assets out of Deferred Government Grants:	7.5%-SLM								
Upto the year 2013-14		42,943,733.60	42,943,733.60	9,871,907.00	3,220,780.00	-	13,092,687.00	29,851,046.60	33,071,826.60
During the year 2014-15		27,020,157.00	27,020,157.00	4,053,024.00	2,026,512.00	-	6,079,536.00	20,940,621.00	22,967,133.00
During the year 2015-16		671,338.00	671,338.00	50,350.00	50,350.00	-	100,700.00	570,638.00	620,988.00
During the year 2016-17			-		-		-	-	-
Sub Total		70,635,228.60	70,635,228.60	13,975,281.00	5,297,642.00	-	19,272,923.00	51,362,305.60	56,659,947.60
Assets out of Institute Receipts	7.5%-SLM								
Upto the year 2013-14		137,087.00	137,087.00	108,326.00	10,282.00		118,608.00	18,479.00	28,761.00
Sub Total		137,087.00	137,087.00	108,326.00	10,282.00	-	118,608.00	18,479.00	28,761.00
Total		85,061,477.60	85,061,477.60	28,267,433.00	5,307,924.00	(609,122.10)	32,966,234.90	52,095,242.70	56,794,044.60

Description	Dep. Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	Depreciation during the year	Adjustment during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Subsidiaries Fund	7.5%-SLM								
Student Welfare Fund									
Upto the year 2013-14		1,015,359.00		1,015,359.00	152,304.00		152,304.00	863,055.00	1,015,359.00
Sub Total		1,015,359.00	-	1,015,359.00	152,304.00	-	152,304.00	863,055.00	1,015,359.00

Alumni Association									
During the year 2016-17			23,358.00	23,358.00	3,504.00	-	3,504.00	19,854.00	-
Sub Total		-	23,358.00	23,358.00	3,504.00	-	3,504.00	19,854.00	-
Total		1,015,359.00	23,358.00	1,038,717.00	155,808.00	-	155,808.00	882,909.00	1,015,359.00

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C(10). TUBEWELL AND WATER SUPPLY

(Amount in Rs.)

Description	Dep. Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Depreciation during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Capital Fund:	2%- SLM								
Upto the year 2013-14		2,002,100.00	-	2,002,100.00	746,229.00	40,042.00	786,271.00	1,215,829.00	1,255,871.00
Sub Total		2,002,100.00	-	2,002,100.00	746,229.00	40,042.00	786,271.00	1,215,829.00	1,255,871.00
Assets out of Deferred Government Grants:	2%- SLM								
During the year 2016-17		-	174,353.00	174,353.00	-	3,487.00	3,487.00	170,866.00	-
Sub Total		-	174,353.00	174,353.00	-	3,487.00	3,487.00	170,866.00	-
Total		2,002,100.00	174,353.00	2,176,453.00	746,229.00	43,529.00	789,758.00	1,386,695.00	1,255,871.00

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C(11). COMPUTER SOFTWARE

(Amount in Rs.)

Description	Dep. Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Dept. during the year	Adj. during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Deferred Government Grants:	40%- SLM									
During the year 2014-15		2,242,800.00	-	2,242,800.00	1,794,240.00	448,560.00	-	2,242,800.00	-	448,560.00
During the year 2015-16		-	-	-	-	-	-	-	-	-
During the year 2016-17		-	2,297,810.00	2,297,810.00	-	919,124.00	-	919,124.00	1,378,686.00	-

Total		2,242,800.00	2,297,810.00	4,540,610.00	1,794,240.00	1,367,684.00	-	3,161,924.00	1,378,686.00	448,560.00
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Annexure 'C' OF SCH 4

FIXED ASSETS
C(12). LIBRARY BOOKS E-JOURNALS

Description	Dep. Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2016	Additions/ (Deductions)	As at March 31, 2017	As at April 01, 2016	Dep. during the year	Adj. during the year	As at March 31, 2017	As at March 31, 2017	As at March 31, 2016
Assets out of Deferred Government Grants:	40%-SLM									
During the year 2014-15		3,674,129.13	-	3,674,129.13	2,939,304.00	734,825.13	-	3,674,129.13	-	734,825.13
During the year 2015-16		94,970,008.00	-	94,970,008.00	37,988,003.00	37,988,003.00	-	75,976,006.00	18,994,002.00	56,982,005.00
During the year 2016-17			3,803,706.00	3,803,706.00		760,741.20	3,042,964.80	3,803,706.00	-	-
Total		98,644,137.13	3,803,706.00	102,447,843.13	40,927,307.00	39,483,569.33	3,042,964.80	83,453,841.13	18,994,002.00	57,716,830.13

SCHEDULE 5- INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS

(Amount-Rs)

Investments From Earmarked/ Endowment Funds	Current Year	Previous Year
1. In Central Government Securities	-	-
2. In State Government Securities		
3. Other approved Securities	-	-
4. Shares	-	-
5. Debentures and Bonds	-	-
6. Term Deposits with Banks	-	-
6. Others (to be specified) (Refer Annexure D-1)	408,580,669.00	390,191,792.00
Total	408,580,669.00	390,191,792.00

**SCHEDULE FORMING PART OF BALANCE SHEET
INVESTMENTS**

ANNEXURE 'D' OF SCH 5

'D-1' - INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2016	Deposited during the Year	Encashed during the Year	As at March 31, 2017		As at March 31, 2016
General Provident Fund:						
Treasury Account	1,007,349.00			1,007,349.00		1,007,349.00
Fixed Deposit with Bank	219,090,979.00	31,003,882.00	22,924,942.00	227,169,919.00		219,090,979.00
Interest Accrued on FDR-GPF	5,833,046.00	15,427,490.00	16,251,037.00	5,009,499.00	233,186,767.00	5,833,046.00
Contributory Provident Fund:						
Fixed Deposit Receipt	11,334,132.00	963,935.00	-	12,298,067.00		11,334,132.00
Interest Accrued on FDR-CPF	725,958.00	953,556.00	363,935.00	1,315,579.00	13,613,646.00	725,958.00
Corpus Fund:						
Corpus Fund-TDR	145,800,000.00			145,800,000.00		145,800,000.00
Development Fund-TDR	550,000.00			550,000.00		550,000.00
Maintenance Fund-TDR	550,000.00			550,000.00		550,000.00
Staff Development Fund-TDR	1,200,000.00			1,200,000.00	148,100,000.00	1,200,000.00
Interest Accrued on Corpus fund	4,008,922.00	9,408,079.00		13,417,001.00		4,008,922.00
Interest Accrued on Development fund	21,858.00	41,094.00		62,952.00		21,858.00
Interest Accrued on Maintenance fund	21,858.00	41,094.00		62,952.00		21,858.00
Interest Accrued on Staff Development fund	47,690.00	89,661.00		137,351.00	13,680,256.00	47,690.00
Total	390,191,792.00	57,928,791.00	39,539,914.00	408,580,669.00	408,580,669.00	390,191,792.00

SCHEDULE 6- INVESTMENTS OTHERS

(Amount-Rs)

Investments - Others	Current Year	Previous Year
1. In Central Government Securities	-	-
2. In State Government Securities	-	-
3. Other approved Securities	-	-
4. Shares	-	-
5. Debentures and Bonds	-	-
6. Term Deposits with Banks (Refer Annexure E-1)	997,403,315.00	757,491,959.00
Total	997,403,315.00	757,491,959.00

INVESTMENT OTHERS
E-1 - NON-EARMARKED FUNDS- TERM DEPOSITS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2016	Deposited during the Year	Enchased during the Year	As at March 31, 2017		As at March 31, 2016
Institute:						
TDR -- Institute - SBI	579,517,320.00	227,243,019.00	-	806,760,339.00		579,517,320.00
TDR -- Institute - Bank of Baroda	-			-		-
TDR -- Out of Caution Money	10,227,804.00			10,227,804.00	816,988,143.00	10,227,804.00
SUBSIDIARY FUNDS:						
T.D.R. with S.N.F.C.E.	19,802,189.00			19,802,189.00		19,802,189.00
T.D.R. with Student Welfare Fund	12,582,050.00			12,582,050.00		12,582,050.00
T.D.R. with Industrial Estate	31,590,203.00	202,390.00		31,792,593.00		31,590,203.00
T.D.R. with G. K. Agarwal Trust	300,000.00			300,000.00		300,000.00
T.D.R. with Alumni Association	5,341,505.00	5,200,000.00		10,541,505.00		5,341,505.00
T.D.R. with R&C Cell	70,215,295.00	5,122,341.00		75,337,636.00		70,215,295.00
T.D.R. with Sponsored Gold Medal	388,488.00			388,488.00		388,488.00
T.D.R. with Project Account	27,527,105.00	2,143,606.00		29,670,711.00	180,415,172.00	27,527,105.00
Total	757,491,959.00	239,911,356.00	-	997,403,315.00	997,403,315.00	757,491,959.00

SCHEDULE 7- CURRENT ASSETS

(Amount-Rs)

Particulars	Current Year	Previous Year
1. Stock:		
a) Stores and Spares (Stock of Consumables & Other Materials)	-	-
b) Loose Tools	-	-
c) Publications	-	-
d) Laboratory Chemicals, consumables and glass ware		
e) Building Material		
f) Electric Material		
g) Stationery		
h) Water Supply Material		
2. Sundry Debtors:		

a)Debts Outstanding for a period exceeding six months- Industrial Estate	11,581,802.62	10,352,344.93
b)Others	-	-
3. Cash and Bank Balances (to be further classified as pertaining to earmarked fund or otherwise)		
<u>Earmarked Funds</u>		
a) With Scheduled Banks:		
On Current Accounts	-	-
On Saving Accounts (Refer Annexure F (1))	19,786,551.12	12,233,813.12
<u>Non-Earmarked Funds</u>		
a) With Scheduled Banks:		
On Saving Accounts (Refer Annexure F (2))	426,624,120.23	575,337,989.99
Total (A)	457,992,473.97	597,924,148.04

ANNEXURE 'F' OF SCH 7

CURRENT ASSETS

F1- EARMARKED FUNDS- BALANCE WITH BANKS & IN HAND

(Amount in Rs.)

Particulars	Current Year 2016-17			Previous Year 2015-2016		
	Balance with Bank	Balance in Hand	Total Cash & Bank Balance	Balance with Bank	Balance in Hand	Total Cash & Bank Balance
Institute:						
Corpus Fund - SBI SB	9,632,841.00	-	9,632,841.00	9,026,787.00	-	9,026,787.00
Staff Development Fund- SBI SB	336,283.00	-	336,283.00	315,302.00	-	315,302.00
Development/Renewal Fund- SBI SB	321,690.00	-	321,690.00	301,647.00	-	301,647.00
Maintenance Fund- SBI SB	321,199.00	-	321,199.00	301,647.00	-	301,647.00
GPF-Vijaya Bank SB	949,076.00	-	949,076.00	(2,897,991.00)	-	(2,897,991.00)
CPF-SBI SB	151,534.12	-	151,534.12	227,999.12	-	227,999.12
New Pension Scheme-Vijaya Bank SB	8,073,928.00	-	8,073,928.00	4,958,422.00	-	4,958,422.00
Total	19,786,551.12	-	19,786,551.12	12,233,813.12	-	12,233,813.12

CURRENT ASSETS
F-2 - NON-EARMARKED FUNDS: BALANCE WITH BANKS & IN HAND

(Amount in Rs.)

Particulars	Current Year 2016-17			Previous Year 2015-2016		
	Balance with Bank	Balance in Hand	Total Cash & Bank Balance	Balance with Bank	Balance in Hand	Total Cash & Bank Balance
INSTITUTE:						
Cash in Hand		49,272.00	49,272.00		5,033.00	5,033.00
with Vijaya Bank with Autosweep	121,367,533.07		121,367,533.07	369,968,106.83		369,968,106.83
with State Bank of India - Power Jyoti	9,038.71		9,038.71	7,000.00		7,000.00
with State Bank of India - Fees A/C with Autosweep	168,237,546.96		168,237,546.96	36,959,303.46		36,959,303.46
Sub Total	289,614,118.74	49,272.00	289,663,390.74	406,934,410.29	5,033.00	406,939,443.29
SUBSIDIARY FUNDS:						
Admission Committee	704,312.00		704,312.00	704,312.00		704,312.00
Industrial Estate	10,898,809.51		10,898,809.51	9,472,063.26		9,472,063.26
Kitchen Project	6,272.00		6,272.00	6,272.00		6,272.00
Text Book Lending Bank	548,659.00		548,659.00	516,875.00		516,875.00
G. K. Agarwal Trust	267,328.00		267,328.00	239,233.00		239,233.00
Nodal Centre	82,770.00		82,770.00	79,001.00		79,001.00
Product Development & Training Centre	200,952.00		200,952.00	193,741.00		193,741.00
Student Welfare Fund	9,525,845.00		9,525,845.00	7,522,153.00		7,522,153.00
School of Non Formal & Cont. Education	3,843,146.00		3,843,146.00	2,521,049.00		2,521,049.00
Alumni Association	1,329,553.83		1,329,553.83	4,939,473.66		4,939,473.66
TEQIP - II	20,267,452.95		20,267,452.95	45,935,508.95		45,935,508.95
Research & Consultancy Cell	30,243,021.42		30,243,021.42	27,718,070.55		27,718,070.55
Dean Academic Affairs	29,717,201.50		29,717,201.50	35,987,987.50		35,987,987.50
Project Account	29,105,010.78		29,105,010.78	32,468,246.78		32,468,246.78
Sponsored Gold Medal	220,396.00		220,396.00	94,560.00		94,560.00
Sub Total	136,960,729.49	-	136,960,729.49	168,398,546.70	-	168,398,546.70
Total	426,574,848.23	49,272.00	426,574,848.23	575,332,956.99	5,033.00	575,337,989.99

SCHEDULE 8 - LOANS, ADVANCES AND DEPOSITS

(Amount-Rs)

	Current Year	Previous Year
1. Advances to employees: (Non-interest bearing)		
a) Salary	-	-
b) Festival	-	3,970,200.00
c) Medical Advance	-	-
d) Other (to be specified) (Refer Annexure G (1) &(2))	20,494,991.27	10,499,368.27
2. Long Term Advances to employees: (Interest bearing)		
a) Vehicle loan	-	-
b) Home loan	-	-
c) Others (to be specified)	-	-
3. Advances and other amounts recoverable in cash or in kind or for value to be received:		
a) On Capital Account (Refer Annexure G (3))	492,308,822.00	76,780,632.00
b) to suppliers	-	-
c) Others (Refer Annexure G (4))	17,333,449.00	13,025,232.00
4. Prepaid Expenses		
a) Insurance	-	-
b) Other expenses	-	-
C) Library & E-Journals	-	-
5. Deposits		
a) Telephone	-	-
b) Lease Rent	-	-
c) Electricity	-	-
d) AICTE, if applicable	-	-
e) Others (to be specified)	-	-
6. Income Accrued:		
a) On Investments other than Earmarked/ Endowment Funds (Refer Annexure G (5))	52,774,286.00	48,777,656.00
b) On Investments-Others	-	-
c) On Loans and Advances	-	-
d) Others	-	-
(includes income due unrealized-Rs.....)		
7. Other receivable		
a) Debit balances in Sponsored Projects	-	-

b) Debit balances in Fellowship & Scholarship (Refer Annexure G (6))	6,255,735.00	6,364,295.00
c) Grants Recoverable		-
d) Recoverable from SBI	1,455,616.00	
d) Excess Utilization Of Grant (Refer Annexure B(4))	-	9,932,321.70
8. Claims Receivable		-
Tax Deducted at Source FY 2016-17	3,731,009.00	
Tax Deducted at Source FY 2016-17- CPF	105,953.00	-
Tax Deducted at Source FY 2016-17- Staff Development Fund	9,963.00	
Tax Deducted at Source FY 2016-17- Maintenance Fund	4,567.00	
Tax Deducted at Source FY 2016-17- Development Fund	4,567.00	
Tax Deducted at Source FY 2016-17- Corpus Fund	1,045,345.00	
Tax Deducted at Source FY 2014-15	24,004.00	24,004.00
Tax Deducted at Source FY 2013-14	-	973,180.00
Tax Deducted at Source-Industrial Estate	250,154.00	109,398.00
Tax Deducted at Source-Alumini Association	19,847.00	60,357.00
Total	595,818,308.27	170,516,643.97

Annexure G OF SCH 8

LOANS, ADVANCES AND DEPOSITS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2016	Advances given during the Current Year 2016-17	Advances Adjusted during the Current Year 2016-17	Journal Entry Adjustments	As at March 31, 2017	As at March 31, 2016
G(1). Advances to Employees						
1. Salary						
Institute-Staff Advances - G-(i)	7,058,449.27	27,379,433.00	23,522,793.00	-	10,915,089.27	7,058,449.27
Institute- Permanent Imprest - G-(ii)	763,440.00	425,000.00	275,920.00	-	912,520.00	763,440.00
Total	7,821,889.27	27,804,433.00	23,798,713.00	-	11,827,609.27	7,821,889.27
G(2). Advances - Others						
Institute-Interest recoverable from GPF	970,000.00	-	-	-	970,000.00	970,000.00
TEQUIP II STIPEND	(5,293,932.00)	8,493,558.00	2,503,655.00	-	695,971.00	(5,293,932.00)
Institute-Science City- Recoverable Expense	92,325.00			-	92,325.00	92,325.00
Institute-LC Debit on account R&C	6,102,585.00				6,102,585.00	6,102,585.00

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Institute-Nodal Centre NTIMS		1,701,767.00	1,701,767.00		-	
Subsidiary-Miscellaneous Advances	806,501.00			-	806,501.00	806,501.00
Total	2,677,479.00	10,195,325.00	4,205,422.00	-	8,667,382.00	2,677,479.00

Annexure G OF SCH 8
(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2016	Advances given during the Current Year 2016-17	Advances Adjusted during the Current Year 2016-17	Journal Entry Adjustments	As at March 31, 2017	As at March 31, 2016
G-3. Advances and other amounts recoverable in cash or in kind or for value to be received -- On Capital Account						
Advances for Fixed Assets & Revenue Expenses - G-(iii)	76,780,632.00	412,697,764.00		-	489,478,396.00	76,780,632.00
Subsidiary						
Project Account - Advance for Plant and Machinery		2,830,426.00			2,830,426.00	
Total	76,780,632.00	415,528,190.00	-	-	492,308,822.00	76,780,632.00
G(4). Advances and other amounts recoverable in cash or in kind or for value to be received -- Others						
Institute						
Recoverable Deposit- Institute- G.I. for Students	-	1,172,743.00	1,172,743.00		-	-
Subsidiary						
Subsidiary- Alumni Association - Advance & Imprest	5,000.00			-	5,000.00	5,000.00
Subsidiary-Dean Academics - Advances	40,050.00		1,540.00	-	38,510.00	40,050.00
Subsidiary-Project Account - Advance & Imprest	659,501.00	707,980.00	511,780.00	-	855,701.00	659,501.00
R&C Cell - Advances & Imprest	2,076,782.00	933,000.00	1,710,633.00	-	1,299,149.00	2,076,782.00
R&C Cell - Receivable against Uncleared Cheque	102,630.00			-	102,630.00	102,630.00
R&C Cell - Receivable from Project Account	154,018.00	740,400.00	740,800.00	-	153,618.00	154,018.00
R&C Cell - Loan/Cont. to GPF A/c towards Interest	7,800,000.00			-	7,800,000.00	7,800,000.00
SNFCE - Receivable against FDP	1,486,074.00		5,000.00	-	1,481,074.00	1,486,074.00

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SNFCE- C-Dac	126,608.00				126,608.00	126,608.00
Subsidiary-Student Welfare Fund - Advance	187,827.00			-	187,827.00	187,827.00
Subsidiary-Student Welfare Fund - LIC	37,636.00			-	37,636.00	37,636.00
Industrial Estate-Advance for Construction of Road	-	1,050,000.00		-	1,050,000.00	-
Industrial Estate-Advance for imprest	-	7,500.00	6,000.00		1,500.00	-
Loan to Tanzanian Student Project	251,000.00			-	251,000.00	251,000.00
TEQUIP-II		6,750,492.00	3,014,800.00		109,398.00	
Loan to Student Subsidiary Funds	91,000.00			-	91,000.00	91,000.00
Recoverable Deposit- Subsidiaries- Security & Earnest Money	7,106.00				7,106.00	7,106.00
Total	13,025,232.00	11,362,115.00	7,163,296.00	-	17,333,449.00	13,025,232.00

ANNEXURE G OF SCH 8

G(5). Income Accrued - On Investments other than Earmarked/Endowment Funds

(Amount in Rs.)

Particulars	As at March 31, 2017	Transactions during the year		As at March 31, 2017	As at March 31, 2016
		Debit	Credit		
On Term Deposit					
Institute:					
TDR - Institute	47,764,707.00	3,274,964.00	-	51,039,671.00	47,764,707.00
Subsidiary Funds:					
T.D.R. with Alumni Association	36,582.00			36,582.00	36,582.00
T.D.R. with Sponsored Gold Medal	2,435.00			2,435.00	2,435.00
T.D.R. with Industrial Estate	572,331.00	721,666.00		1,293,997.00	572,331.00
Student Welfare Fund					
T.D.R. with Student Welfare Fund	109,675.00			109,675.00	109,675.00
T.D.R. out of Caution Money	291,926.00			291,926.00	291,926.00
Total	48,777,656.00	3,996,630.00	-	52,774,286.00	48,777,656.00

ANNEXURE G OF SCH 8**G (6). DEBIT BALANCES IN FELLOWSHIP & SCHOLARSHIP**

(Amount in Rs.)

Head Of Account	Opening Balance as on 01/04/2016		Transaction During the Year 2016-17		Closing Balance as ON 31/03/2017	
	Debit	Credit	Debit	Credit	Debit	Credit
Board of Apprenticeship Training	1,329,796.00		14,792.00	14,952.00	1,329,636.00	-
CSIR Delhi	556,985.00		1,552,773.00	1,661,173.00	448,585.00	-
Fellowship (MHRD)	147,489.00				147,489.00	-
ICSSR Project	192,000.00				192,000.00	-
National Seminar (HSS Department)	140,017.00				140,017.00	-
PHE Stip & Contingency	45,485.00				45,485.00	-
QIP Polytechnique	3,567,881.00				3,567,881.00	-
Seminar on Electric Power Conversion	72,458.00				72,458.00	-
UPCST Domestic Waste Water Treatment	79,402.00				79,402.00	-
Workshop Virtual Instrumentation & Its Application	1,556.00				1,556.00	-
Fellowship (CSIR)	231,226.00				231,226.00	-
Total	6,364,295.00	-	1,567,565.00	1,676,125.00	6,255,735.00	-

GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET**ANNEXURE G-1 OF SCH 8****LOANS, ADVANCES AND DEPOSITS****G (i) - Advances to Staff**

Particulars	Opening Balance	During the year		Closing Balance
		Debit	Credit	
Abhay Raj Singh		30,000.00	15,000.00	15,000.00
Abhay Singh	6,260.00		6,260.00	-
Abhishek Kumar	54,000.00	75,000.00	129,000.00	-
Ajay Bharti	61,725.00		61,725.00	-
A.K Singh (Gis Cell)	142,500.00		33,949.00	108,551.00
Ambak Kumar Rai	124,399.00	366,000.00	296,399.00	194,000.00
Anil Kumar	28,000.00	81,085.00	91,085.00	18,000.00
Animesh K Ojha	95,000.00		95,000.00	-
Anuj Jain	33,537.00	269,000.00	271,256.00	31,281.00

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Arvind Aggarwal		144,000.00	64,000.00	80,000.00
Asim Mukherjee		135,000.00		135,000.00
Avanish Kumar Dubey	121,521.00	138,000.00	260,321.00	(800.00)
Banwari Lal		14,000.00	14,000.00	-
Basant Kumar	242,025.00	25,000.00	243,165.00	23,860.00
Danish Ansari	45,047.00	110,003.00	155,050.00	-
Deepak Kr. Yadav (Sac)	166,746.00	136,000.00	302,746.00	-
Deepak Kumar	10,000.00		10,000.00	-
Dinesh Singh	33,000.00		33,000.00	-
Divya Kumar		185,000.00	171,563.00	13,437.00
D. K. Dwivedi	1,950.00		1,950.00	-
D.K.Yadav	86,255.00	267,000.00	353,255.00	-
Dr. Ambalika Sinha	234,200.00	140,000.00	205,000.00	169,200.00
Dr. Anindya Bhar		81,270.00	6,124.00	75,146.00
Dr Ashutosh Mani		226,800.00	182,000.00	44,800.00
Dr. Geetika		216,000.00		216,000.00
Dr. Gorakh Nath		19,000.00		19,000.00
Dr H.K.Pandey	143,000.00		93,000.00	50,000.00
Dr. K.K. Shukla		64,000.00	64,000.00	-
Dr. K.M. Gupta	22,407.00			22,407.00
Dr. Manoj Kumar		365,000.00	159,000.00	206,000.00
Dr. Mukesh Kumar		14,000.00	14,000.00	-
Dr. Nand Kumar Singh		114,000.00	114,000.00	-
Dr. Paulson Samules	163,000.00	30,000.00	13,000.00	180,000.00
Dr. P.K.Dutta		53,000.00	53,000.00	-
Dr. Priyaranjan Pal	48,883.00		51,723.00	(2,840.00)
Dr. Radha Rani Mewaram		45,000.00		45,000.00
Dr. Rajesh Gupta		80,000.00	80,000.00	-
Dr. Rajesh Kumar Shastri		298,000.00	298,000.00	-
Dr. Raj Mohan Singh	(4,996.00)	119,000.00	119,000.00	(4,996.00)
Dr. Rakesh Kumar	116,973.00	215,000.00	233,547.00	98,426.00
Dr Rakesh Narain		72,000.00	49,667.00	22,333.00
Dr. Richa Negi	155,000.00		155,000.00	-
Dr. Shadeo Padhey		88,000.00	88,000.00	-

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Dr. Shailendra Kumar Mishra		197,000.00	45,000.00	152,000.00
Dr. Shivesh Sharma	(22,250.00)	58,000.00	32,956.00	2,794.00
Dr. Tripti Singh	68,344.00	373,302.00	441,646.00	-
Dr. Vibhuti Tripathi		254,020.00	254,020.00	-
Dr. Vishnu Agrawal		124,400.00		124,400.00
Dushyant Kumar Singh		60,000.00	60,000.00	-
Election Advance	108,000.00		81,000.00	27,000.00
Festival Advance	799,600.00	8,120,200.00	4,756,700.00	4,163,100.00
Ganga Prasad		166,000.00	116,524.00	49,476.00
Gautam Ghosh	35,545.00		35,545.00	-
G. K. Mehrotra		167,112.00	91,112.00	76,000.00
Gyanendra Kr. Tiwari	15,000.00	45,000.00	60,000.00	-
Harish Chandra		2,500.00		2,500.00
House Building And Vehicle Advance	182,380.00		144,560.00	37,820.00
J. L.Yadav	5,900.00		5,900.00	-
K. K. Mishra		80,000.00	80,000.00	-
K. N Pandey	94,999.00	125.00	95,124.00	-
Kumar Pallav		271,865.00	256,865.00	15,000.00
Kumar Venkatesh	174,672.00	251,817.00	390,489.00	36,000.00
L. K. Mishra	(2,000.00)			(2,000.00)
Manas Agrawal	25,000.00		25,000.00	-
Manisha Yadav	12,839.00	57,000.00	69,839.00	-
Manish Gupta		262,800.00	33,583.00	229,217.00
Manish Kumar	420,000.00	794,751.00	1,064,751.00	150,000.00
Manish Tiwari	84,915.00		84,915.00	-
Manohar Yadav		93,000.00	93,000.00	-
Manoj Kumar Gupta		48,000.00		48,000.00
Mayank Pandey	88,194.00	465,300.00	204,704.00	348,790.00
Nand Kishor	88,580.00	123,420.00	212,000.00	-
Naresh Kumar	117,316.00	148,900.00	276,918.00	(10,702.00)
Nekram Rawal	138,590.00	96,000.00	234,590.00	-
Nitin Singh		70,000.00	70,000.00	-
Pankaj Srivastava	74,653.00	94,000.00	74,653.00	94,000.00
Pitam Singh		237,000.00	237,000.00	-

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Piyali Ghosh	79,000.00	17,000.00	96,000.00	-
Pragya Dwivedi		99,000.00	99,000.00	-
Pragya Shandilya		139,000.00	139,000.00	-
Pramod Kumar Yadav		26,125.00	26,125.00	-
Rahul Dev	100,000.00	38,000.00	138,000.00	-
Rajeev Gupta		182,425.00	90,805.00	91,620.00
Rama Shankar		146,000.00	146,000.00	-
Ram Chandra (Technician Sgll)		5,000.00	5,000.00	-
Ram Ji Dwivedi	53,744.00	276,800.00	170,641.00	159,903.00
Ravindra Tripathi		8,000.00	8,000.00	-
R. C. Vaisya	33,500.00	252,250.00	115,750.00	170,000.00
Rk Dewang	34,000.00		34,000.00	-
Rk Nagaria		102,000.00	97,000.00	5,000.00
R. K. Srivastava		23,000.00	23,000.00	-
Satyajeet Kumar	35,874.00	206,410.00	242,284.00	-
Satya Narayan Singh		6,000.00	6,000.00	-
Shabih Ul Hasan		131,000.00	131,000.00	-
Shashwati Banerjee	157,000.00	21,000.00	178,494.00	(494.00)
Shubhi Purwar		100,000.00	100,000.00	-
S. J. Pawar	129,029.00	216,000.00	249,029.00	96,000.00
S.K.Gaur	450,000.00	600,000.00	564,000.00	486,000.00
Smt Jyotsna Sinha		124,000.00	124,000.00	-
Smt. Sweta Ranjan	15,984.00			15,984.00
S.N Pandey Maths	172,001.00	401,369.00	573,369.00	1.00
Sonam Agrawal	10,000.00	170,415.00	170,415.00	10,000.00
S.P Verma	67,168.27	82,774.00	96,595.00	53,347.27
Sri Akshoy Ranjan Paul		326,000.00	196,000.00	130,000.00
Sri Arvind Kumar	221,106.00		221,046.00	60.00
Sri Bechan Ram	50,000.00	20,000.00	60,000.00	10,000.00
Sri D. S. Kushwaha		46,000.00	46,000.00	-
Sri Rajeevsrivastava	202,951.00	28,800.00	195,996.00	35,755.00
Sri Ramesh Kumar Tripathi		166,000.00		166,000.00
Sri Ritesh Kumar Sahu	15,000.00	15,000.00	15,000.00	15,000.00
Sri R.K. Sharma		137,000.00	47,000.00	90,000.00

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Sri Sanjay Singh	39,026.00	195,000.00	35,226.00	198,800.00
Sri Sanjay Yadav	13,960.00			13,960.00
Ss Narvi	5,000.00			5,000.00
Suantak Kamsonlian		235,200.00	212,200.00	23,000.00
Sunil Kumar Gupta		282,000.00	282,000.00	-
Sushil Kumar	162,974.00	433,250.00	596,224.00	-
Tanuj Nandan	151,231.00		151,231.00	-
U. S. Sharma		22,500.00		22,500.00
Vijay Bhaduria	152,000.00		152,000.00	-
Vijay Pal (Ldc)	25,176.00		25,176.00	-
Vinod Kr Mishra	40,000.00			40,000.00
Vivek Kumar Patel		57,500.00	57,500.00	-
V Krishna Rao Kandavli	15,000.00		15,000.00	-
V. Narendar	9,500.00		9,500.00	-
Vr Koma		87,996.00	52,000.00	35,996.00
Yogendra Kumar Prajapati	(22,484.00)	300,484.00	278,000.00	-
A K Singh Engineer (E)		258,600.00	119,600.00	139,000.00
Anirudh Kumar Chaudhary		118,000.00	103,540.00	14,460.00
Anupam Rawat		80,000.00		80,000.00
Ashutosh Kr Upadhyay		18,000.00	13,000.00	5,000.00
Dharmendra Kr Shukla		92,000.00	50,000.00	42,000.00
Dr. Ankur Gaur		243,000.00	243,000.00	-
Dr Arun Prakash		51,000.00	8,392.00	42,608.00
Dr. Ashish N. Sawarkar		287,000.00	287,000.00	-
Dr. Audhesh Narayan		27,000.00	27,000.00	-
Dr Audhesh Narayan (Imprest Workshop)		15,000.00		15,000.00
Dr Bireshwar Paul		55,000.00	55,000.00	-
Dr. B. Vasu		200,400.00		200,400.00
Dr. G. P Sahu		510,000.00	510,000.00	-
Dr Manoj Wairiya		148,500.00	148,500.00	-
Dr. M. M. Gore (Imprest Dean larg)		5,000.00		5,000.00
Dr. Mohd. Siraj Alam		154,000.00	19,000.00	135,000.00
Dr Navneet Kumar Singh		116,000.00	116,000.00	-
Dr P Karuppanan		27,000.00	27,000.00	-

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Dr. Ramesh Pandey		145,070.00	65,000.00	80,070.00
Dr Ranvijay (Csed)		32,000.00		32,000.00
Dr Ravi Prakash(Med)		192,000.00		192,000.00
Dr Sameer Srivastava		206,000.00	172,141.00	33,859.00
Dr. Sangeeta Negi		124,000.00	124,000.00	-
Dr. S. N. Chaturvedi		19,000.00	19,000.00	-
Dr. S N Pandey (Physics)		175,000.00		175,000.00
Dr. Sunita Agarwal		185,000.00		185,000.00
Dr Vijay Kumar (Ced)		80,000.00		80,000.00
Dr Viswajeet Pratap Singh		180,000.00	180,000.00	-
Executive Enginer Jal Kal		77,845.00	77,845.00	-
Jitendra N. Gangwar		63,000.00	63,000.00	-
Manoj Singh Baunal		41,950.00	41,950.00	-
Nafees Ahmad		15,000.00		15,000.00
Nand Lal		10,000.00	10,000.00	-
Prof. R.K. Singh		10,000.00	10,000.00	-
R P Tiwari (Head Amd)		248,000.00	86,909.00	161,091.00
Shahid Irfan		18,500.00	18,500.00	-
Shrikan Sharma		65,000.00	47,126.00	17,874.00
S K Duggal		100,000.00	100,000.00	-
S K Srivastava		35,000.00	35,000.00	-
S.N. Yadav		194,600.00	140,505.00	54,095.00
Surendra Kumar Srivastava		35,000.00		35,000.00
Vineeta Agarwal		119,000.00	119,000.00	-
Grand Total	7,058,449.27	27,379,433.00	23,522,793.00	10,915,089.27

ANNEXURE G-1 OF SCH 8

LOANS, ADVANCES AND DEPOSITS
G-(ii) - Permanent Imprest to Employees

Sl.No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Abhay Raj Singh (Imprest)	10,000.00			10,000.00
2	A.K Sachan (Imprest)	10,000.00			10,000.00
3	A.K Sing Ae(E) (Imprest)	10,000.00	15,000.00		25,000.00

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4	A K Singh Ced (Imprest)	10,000.00			10,000.00
5	Ambak Kumar Rai(Imperest)	20,000.00			20,000.00
6	Ambalika Sinha(Imprest)	5,000.00			5,000.00
7	Anil Kumar (Imprest)	29,822.00			29,822.00
8	Animesh Ojha(Imprest)	15,000.00	15,000.00		30,000.00
9	Anjana Pandey Imprest	15,000.00		15,000.00	-
10	Anuj Jain (Imprest)		10,000.00		10,000.00
11	Arvind Aggarwal (Imprest)		5,000.00		5,000.00
12	Asheesh Kumar Singh (Imprest)	15,000.00			15,000.00
13	Ashutosh Pandey (Imprest)	15,000.00			15,000.00
14	Banwari Lal (Imprest)		10,000.00		10,000.00
15	Danish Ansari (Imperest)		15,000.00		15,000.00
16	Deepesh Tiwari (Imprest)	2,000.00			2,000.00
17	Dr Asheesh Kr Singh(Imprest)	15,000.00	15,000.00	30,000.00	-
18	Dr. G. K. Mehrotra (Imprest)		10,000.00		10,000.00
19	Dr Manisha Sachan (Imprest)		15,000.00		15,000.00
20	Dr. Naresh Kumar(Imprest)	10,000.00			10,000.00
21	Dr N.D Pandey (Imprest)	2,000.00		2,000.00	-
22	Dr. P.K Mishra (Imprest)	5,000.00			5,000.00
23	Dr Rajtha B (Imprest)		15,000.00		15,000.00
24	Dr Ranvijay (Imprest)		15,000.00		15,000.00
25	Dr. R K Singh (Imprest)		10,000.00		10,000.00
26	Dr Sadhana Sachan (Imprest)	10,000.00		10,000.00	-
27	Dr Sahdeo Padhey (Imprest)		15,000.00		15,000.00
28	Dr Shailendra Kumar Mishra Imprest	15,000.00			15,000.00
29	Dr Shiv Dutt (Imprest)		15,000.00		15,000.00
30	Dr. Suneeta Agarwal (Imprest)		10,000.00		10,000.00
31	Dr Vinod Yadav Imprest (Cheif Warden)	5,000.00	10,000.00	10,000.00	5,000.00
32	Ganga Prasad (Imprest)	10,000.00		10,000.00	-
33	G.P. Sahu Imprest	15,000.00		15,000.00	-
34	K.N Pandey (Imprest)	18,583.00			18,583.00
35	K N Singh (Imprest)	20,000.00			20,000.00
36	Kumar Pallav(Imprest)		15,000.00		15,000.00
37	Manish Gupta (Imprest)		15,000.00		15,000.00

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38	Manish Kumar (Ee)(Imprest)	30,000.00			30,000.00
39	Mukul Shukla (Imperest)		17,500.00	2,500.00	15,000.00
40	Nand Kishore (Imprest)	1,420.00		1,420.00	-
41	Neeraj Tyagi (Imprest)	10,000.00	10,000.00	10,000.00	10,000.00
42	Nirmal Kumar Shukla (Imprest)		15,000.00		15,000.00
43	Niroj Banerjee (Imprest)	5,000.00			5,000.00
44	N.K. Singh (Imprest)	15,000.00		15,000.00	-
45	Pankaj Srivastava(Imprest)	10,000.00			10,000.00
46	Pramod Kumar Yadav(Imprest)	15,000.00			15,000.00
47	P.R. Pal (Imprest)	15,000.00		15,000.00	-
48	Radharani Mewaram(Imprest)	15,000.00	15,000.00		30,000.00
49	Rajeev Tripathi Head (Imprest)	10,000.00		10,000.00	-
50	Rajesh Gupta (Imprest)		15,000.00		15,000.00
51	Rakesh Narayan(Imprest)	15,000.00	15,000.00		30,000.00
52	Ramesh Pandey (Imprest)	25,000.00			25,000.00
53	Ramji Diwedi (Imprest)		15,000.00		15,000.00
54	Ravi Prakash Amd (Imprest)	5,000.00			5,000.00
55	Ravi Prakash Nba (Imprest)		2,500.00		2,500.00
56	Rc Vaisya Imprest	10,000.00		10,000.00	-
57	R.K. Nagaria(Imprest)	15,000.00			15,000.00
58	R K Pandey (Imprest)		5,000.00		5,000.00
59	R K Sharma (Imperest)		10,000.00		10,000.00
60	R.K Singh (Imprest)		15,000.00		15,000.00
61	R P Tiwari (Imprest)	10,000.00	15,000.00		25,000.00
62	R P Tiwari Proctor (Imprest)	10,000.00		10,000.00	-
63	Rp Tiwari Prof & Head (Imprest)	10,000.00		10,000.00	-
64	R.S. Yadav (Imprest)	10,000.00		10,000.00	-
65	Samir Sraswati(Imprest)	15,000.00		15,000.00	-
66	Sanjiv Banerjee(Imprest)	15,000.00		15,000.00	-
67	Shiva Kant Mishra (Imprest)		5,000.00	5,000.00	-
68	Shivesh Sharma(Imprest)	60,000.00	15,000.00	15,000.00	60,000.00
69	Shri Sanjay Singh (Imprest)		10,000.00		10,000.00
70	Shubhi Purwar(Imprest)	15,000.00			15,000.00
71	Shweta Ranjan (E.O.)(Imprest)	15,000.00			15,000.00

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72	Siraj Alam Warden (Imprest)	15,000.00		15,000.00	-
73	S.J Pawar A/P(Imprest)	2,000.00			2,000.00
74	Sn Pandey (Imprest)	15,000.00		15,000.00	-
75	S.P Verma (Imprest)	2,000.00			2,000.00
76	Sri D S Kushwaha (Imprest)		10,000.00		10,000.00
77	Sr Mohanty(Imprest)	15,000.00			15,000.00
78	S.S Narvi (Imprest)	10,000.00		10,000.00	-
79	Sushil Kumar Imprest	10,000.00			10,000.00
80	Sushil Kumar Warden (Imprest)	15,000.00			15,000.00
81	Tanuj Nandon(Imprest)	15,000.00			15,000.00
82	V Krishna Rao (Imperest)		5,000.00		5,000.00
83	V.K Srivastava (Imprest)	25,615.00			25,615.00
	Grand Total	763,440.00	425,000.00	275,920.00	912,520.00

ANNEXURE G-3 OF SCH 8

LOANS, ADVANCES AND DEPOSITS
G (iii) - Advance for Fixed Assets & Revenue Expenses

Sl.No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Balmer Lawrie & Co.	1,235,000.00			1,235,000.00
2	Anjali Electronics	8,100.00			8,100.00
3	Autometer Alliance Ltd	68,360.00			68,360.00
4	Batra Electronic Cottage	23,490.00			23,490.00
5	Bhargava Engg. Works	60,800.00			60,800.00
6	Bhushan & Bhushan	125,928.00			125,928.00
7	Bombay Machinery	14,490.00			14,490.00
8	Carrier Aircon	43,346.00			43,346.00
9	Chemico Instruments Pltd	7,000.00			7,000.00
10	Comcare Enterprises	147,022.00			147,022.00
11	Cpwd Advance	22,177,660.00	4,543,766.00	-	26,721,426.00
12	Cpwd Advance- Construction of New Boys Hostel	-	312,153,998.00	-	312,153,998.00
13	Eds Technology	110,000.00			110,000.00
14	Elite Furniture	423,162.00			423,162.00
15	Fa & Cao N Rly	22,112,506.00			22,112,506.00

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16	Gaur Electrical	68,580.00		68,580.00
17	Hcl Info System	460,634.00		460,634.00
18	Hydraulic Engg Instrument	280,155.00		280,155.00
19	Indian Institute Of Foreign Trade	14,935.00		14,935.00
20	Indian Oil Corporation	10,962.00		10,962.00
21	Jamuna Marketing Pvt Ltd	187,034.00		187,034.00
22	Jay Pee Cement	34,500.00		34,500.00
23	Lab India Instrument	11,703.00		11,703.00
24	Lalji Enterprises	5,000.00		5,000.00
25	Mack Electrical & Equipment	65,350.00		65,350.00
26	Mangalam Service Station (Advance)	-		-
27	Matra Distributor	6,615.00		6,615.00
28	Minimax Electronics	13,208.00		13,208.00
29	M/S Bhargava Tyres	(18,844.00)		(18,844.00)
30	M/S Rites Ltd.	7,362,330.00		7,362,330.00
31	Rites Ltd. - A/c Girls Hostel - RT 5300010	16,834,179.00	96,000,000.00	112,834,179.00
32	Peco Cooling Tower	213,390.00		213,390.00
33	Pericom System	175,620.00		175,620.00
34	Point Stationery	13,189.00		13,189.00
35	Pragaya Electric Co.	5,625.00		5,625.00
36	Prism Cement	147,400.00		147,400.00
37	Project Officer Neda	135,143.00		135,143.00
38	Quartz Marketing System	108,061.00		108,061.00
39	Rai & Co	120,697.00		120,697.00
40	Ranial Graphics	92,388.00		92,388.00
41	Richa Medical Agency	(21.00)		(21.00)
42	Sahani Refrigeration	78,690.00		78,690.00
43	Scientech Technologies	9,208.00		9,208.00
44	Shaan Trader	129,736.00		129,736.00
45	Sharda Enterprises	303,290.00		303,290.00
46	Shivam Paints	35,696.00		35,696.00
47	Sn Aqua System	69,360.00		69,360.00
48	Spic Macay	10,000.00		10,000.00
49	Sri. System	5,600.00		5,600.00

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50	Surekha Sales Pvt Ltd	8,905.00			8,905.00
51	Surgico Medicare Agency	6,250.00			6,250.00
52	Tele Links	7,065.00			7,065.00
53	Total Presentation Devices	168,000.00			168,000.00
54	Tritech Enterprises	87,903.00			87,903.00
55	Versatile Construction	2,422,000.00			2,422,000.00
56	Voltas Ltd	534,232.00			534,232.00
	Grand Total	76,780,632.00	412,697,764.00	-	489,478,396.00

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT
SCHEDULE 9 – ACADEMIC RECEIPTS

(Amount-Rs)

Particulars	Current Year	Previous Year
Fee From Students		
A. Academic		
Tuition Fees:		
Tuition Fees B.Tech	167,611,560.00	159,795,651.00
Tuition Fees MBA	1,860,000.00	1,944,000.00
Tuition Fees MCA	13,400,000.00	12,460,000.00
Tuition Fees M.Tech	49,735,000.00	42,875,000.00
Tuition Fees Ph.D	4,035,000.00	6,300,000.00
Tuition Fees M.Sc.	532,500.00	472,500.00
Tuition Fees MSW	277,500.00	142,500.00
Admission fee:		
Registration Fees M.Tech	232,100.00	201,800.00
Registration Fees MBA	15,500.00	19,000.00
Registration Fees MCA	53,200.00	60,600.00
Registration Fees PhD	53,800.00	84,000.00
Registration Fees MSW	3,700.00	2,500.00
Registration Fees MSC	7,100.00	7,300.00
Registration Fees B.Tech	843,300.00	809,500.00
Day Fees B.Tech	1,224,950.00	1,209,800.00
Day Fees M.Tech	398,675.00	357,050.00
Day Fees MBA	27,125.00	33,250.00

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Day Fees MCA	93,100.00	105,900.00
Day Fees Ph.D	80,700.00	232,850.00
Day Fees MSC	10,650.00	10,950.00
Day Fees MSW	6,900.00	3,750.00
M.Tech/ Ph.D Admission	2,342,512.00	-
Enrolment Fee	151,500.00	157,200.00
Library fee	2,896,750.00	3,320,016.00
Laboratory fee:		
Lab Fees B.Tech	2,334,884.00	2,225,750.00
Lab Fees M.Tech	583,250.00	562,000.00
Lab Fees MBA	38,750.00	47,500.00
Lab Fees MCA	133,000.00	156,500.00
Lab Fees Ph.D	284,500.00	394,000.00
Lab Fees MSC	17,750.00	18,250.00
Lab Fees MSW	9,250.00	6,250.00
Syllabus fee	571,900.00	518,400.00
Total (A)	249,866,406.00	234,533,767.00
B. Examinations		
Admission test fee	-	-
Mark sheet, certificate fee	-	-
Entrance examination fee		
Total (B)	-	-
C. Other fees		
Identity card fee	122,525.00	164,600.00
Fine/Miscellaneous fee		
Medical fee	2,246,750.00	2,956,000.00
Transportation fee:		
Bus Charges from Student	871,800.00	898,200.00
Private Use of Vehicle		
Hostel fee		
Development Fees	1,406,500.00	1,193,450.00
Magazine Fees	467,200.00	589,100.00
Placement Charges	2,608,450.00	3,327,616.00
Student Welfare Fees	534,550.00	618,490.00

Total (C)	8,257,775.00	9,747,456.00
D. Sale of publications		
Sale of syllabus and Question Paper, etc.		
Total (D)		
E. Other Academic Receipts		
Total (E)	-	-
GRAND TOTAL (A+B+C+D+E)	258,124,181.00	244,281,223.00

SCHEDULE 10- GRANTS & DONATIONS

(Amount-Rs)

Particulars	Current Year		Previous Year	
(Irrevocable Grants & Subsidies Received)				
1) Central Government				
Non-Plan				
Grant-in-aid released during the year	458,000,000.00		380,000,000.00	
Add: Unutilised balance of Grants as on 01st April	113,928,334.93		168,536,403.93	
	571,928,334.93		548,536,403.93	
Less: Unutilised balance of Grants as on 31st March	80,143,888.93	491,784,446.00	113,928,334.93	434,608,069.00
Plan				
Grant-in-aid released during the year	570,000,000.00		550,000,000.00	
Less: Excess Utilised balance of Grants as on 01st April	(9,932,321.70)		156,835,042.70	
	560,067,678.30		393,164,957.30	
Less: Unutilised balance of Grants as on 31st March	325,138,746.30	234,928,932.00	9,932,321.70	403,097,279.00
Sub Total		726,713,378.00		837,705,348.00
Less: Amount utilised for capital Expenditure from Grant		45,082,864.00		211,884,663.00
Net Amount utilised for Revenue Expenditure		681,630,514.00		625,820,685.00
Apportioned amount of Grants/Fund towards Depreciation				
From Deferred Government Grants	127,031,659.33		143,154,292.00	
From Capital Fund	20,152,044.25	147,183,703.58	45,554,852.00	188,709,144.00
Total		828,814,217.58		814,529,829.00

SCHEDULE 11- INCOME FROM INVESTMENTS

(Amount-Rs)

Income from Earmarked/ Endowment Funds	Current Year	Previous Year
1) Interest		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2) Interest on Term deposits	1,060,685.00	30,148,635.00
3) Income accrued but not due on Term Deposits/Interest bearing advances to employees(Refer Schedule 2)	25,960,974.00	10,659,332.00
4) Interest on Saving Bank Accounts	321,306.00	781,648.00
5) Others		
Total	27,342,865.00	41,589,615.00
Transferred to Earmarked/Endowment Funds	27,342,865.00	41,589,615.00
Income Others	Current Year	Previous Year
1) Interest		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2) Income Received		
a) Each Fund separately	-	-
3) Income accrued		
a) Each Fund separately	-	-
4) Others (Specify)	-	-
Total		

SCHEDULE 12- INTEREST EARNED

(Amount-Rs)

Income Others	Current Year	Previous Year
1. On Saving Accounts with Scheduled banks	5,093,724.00	9,558,629.00
2. On Loans		
a) Employees/Staff		
Interest on Computer Loan Recovery		4,015.00
Interest on House Building Loan Recovery	218,906.00	45,500.00
Interest on Motorcycle Loan Recovery		13,440.00
Interest on Other Advance	15,266.00	

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b) Others		
3. On Debtors and Other Receivables-		
Rites Gurgaon		2,089,698.00
Income Tax Refund	90,944.00	
4. On Term Deposit with Scheduled banks	70,352,061.00	56,032,372.00
Total	75,770,901.00	67,743,654.00

SCHEDULE 13- OTHER INCOME

(Amount-Rs)

Particulars	Current Year	Previous Year
A. Income from Land & Building		
1. Hostel Room Rent		
Hostel Fan Charges	1,327,950.00	1,759,250.00
Hostel Replacement Charges		
Hostel Room Rent	3,319,875.00	4,474,000.00
Hostel Utensils	885,300.00	1,061,400.00
Shop/Canteen Rent, Electric Charges & Water Charges	309,362.00	355,820.00
Rent from Staff Quarter	761,601.00	706,657.00
Building Rent	148,816.00	224,575.75
Income from Guest House	4,244,507.00	1,113,576.00
2. License fee		
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc		
4. Electricity & water charges		
Hostel Electricity Charges	7,000,491.40	8,886,000.25
Water/Electricity Charges from Contractor & Staff Quarter	2,012,889.00	2,226,693.00
Total	20,010,791.40	20,807,972.00
B. Sale of Institute's publications	-	-
C. Income from holding events	-	-
1. Gross Receipts from annual function/ sports carnival	-	-
Less: Direct expenditure incurred on the annual function/ sports carnival		
2. Gross Receipts from fetes	-	-
Less: Direct expenditure incurred on the fetes		
3. Gross Receipts for educational tours	-	-
Less: Direct expenditure incurred on the tours		

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4. Others (to be specified and separately disclosed)	-	-
Total		
D. Others		
1. Income from consultancy	-	-
2. RTI fees	-	-
3. Income from Royalty	-	-
4. Sale of application form (recruitment)	-	-
5. Misc. receipts (Sale of tender form, waste paper, etc.)	-	-
6. Profit on Sale/disposal of Assets:		
a) Owned assets	-	-
b) Assets acquired out of grants, or received free of cost	-	-
7. Grants/Donations from institutions, Welfare Bodies and International Organizations		
8. Others		
Computer hiring charges	20,135.00	-
Computer Stationery Charges	2,659,750.00	2,979,750.00
E-Mail Charges	4,464,825.00	5,084,700.00
NRI/DASA Fees	111,362,354.79	110,771,712.56
Recreation Fees	8,987,000.00	5,486,000.00
Student study tour	91,074.00	142,500.00
Reference material	387,500.00	475,000.00
Verification of Degree/Migration/Marksheet	1,271,770.00	434,280.00
Alumni Fees	434,400.00	260,670.00
CMDR	48,010.00	24,775.00
Application Fees for Appointment		45,000.00
M.Tech/Ph.D/M.Sc. Admission Form	8,000.00	
Miscellaneous Receipts Institute	392,982.00	1,320,331.27
Sale of Tender Form	116,500.00	54,800.00
Student Activity Centre		
Vehicle Charges	127,232.00	12,187.00
Library Misc Receipt	12,222.00	104,350.00
Seminar & Conference		61,272.00
Retension of Service Charges-	204,856.00	636,917.00
Seminar Registration Fees	9,800.00	
RTI Fees	2,486.00	11,165.00

Total	130,600,896.79	127,905,409.83
GRAND TOTAL (A+B+C+D)	150,611,688.19	148,713,381.83

SCHEDULE 14- PRIOR PERIOD INCOME

(Amount-Rs)

Particulars	Current Year	Previous Year
1. Academic Receipts		47,000.40
2. Income from Investments	-	-
3. Interest Earned		196,654.00
Interest on TDR	471,611.00	-
4. Other Income		
Other Income	27,735.00	
Depreciation Excess Charged in earlier years now corrected	1,313,697.25	
LC Debit on R&C Cell	-	2,106,318.00
Total	1,813,043.25	2,349,972.40

SCHEDULE 15 – STAFF PAYMENTS & BENEFITS

(Amount-Rs)

Particulars	Current Year			Previous Year		
	Plan	Non- Plan	Total	Plan	Non- Plan	Total
a) Salaries and Wages (Refer Annexure H (1))	-	227,066,643.00	227,066,643.00	-	216,167,983.00	216,167,983.00
b) Allowances and Bonus (Refer Annexure H (2))	-	223,091,353.00	223,091,353.00	-	206,067,737.00	206,067,737.00
c) Contribution to Provident Fund	-	242,787.00	242,787.00	-	235,698.00	235,698.00
d) Contribution to Other Fund (specify)			-			-
Pension Contribution	-	41,588.00	41,588.00	-	124,764.00	124,764.00
New Pension Scheme	-	10,713,660.00	10,713,660.00	-	10,275,911.00	10,275,911.00
e) Staff Welfare Expenses	-	-	-	-	-	-
f) Retirement and Terminal Benefits (Refer Annexure H (3))	-	120,787,506.00	120,787,506.00	-	111,200,954.00	111,200,954.00
g) LTC facility	-	4,496,674.00	4,496,674.00	-	3,464,711.00	3,464,711.00
h) Medical facility	-	-	-	-	-	-
i) Children Education Allowance	-	3,704,366.00	3,704,366.00	-	3,574,323.00	3,574,323.00
j) Honorarium	-	-	-	-	-	-
k) Others (specify)	-	-	-	-	-	-
Total	-	590,144,577.00	590,144,577.00	-	551,112,081.00	551,112,081.00

ANNEXURE H OF SCH 15

STAFF PAYMENTS & BENEFITS
H (1). SALARIES AND WAGES

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2017	Journal Entry Adjustment		Current Year 2016-17	Previous Year 2015-16
		Provision as on 01/04/2016	Provision as on 31/03/2017		
Pay Director & Teaching	98,823,170.00	8,242,020.00	8,077,186.00	98,658,336.00	98,774,387.00
Pay Administrative Officer	4,981,747.00	440,690.00	397,710.00	4,938,767.00	5,138,732.00
Pay Other Staff	29,984,247.00	2,565,913.00	2,364,240.00	29,782,574.00	31,657,269.00
Pay Contractual Staff	73,916,372.00	4,176,398.00	5,377,805.00	75,117,779.00	65,062,843.00
Arrear Teaching & Non Teaching	78,616.00			78,616.00	1,488,438.00
Payment to visiting faculty	18,490,571.00			18,490,571.00	14,046,314.00
Total	226,274,723.00	15,425,021.00	16,216,941.00	227,066,643.00	216,167,983.00

ANNEXURE H OF SCH 15

STAFF PAYMENTS & BENEFITS
H (2). ALLOWANCES AND BONUS

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2017	Journal Entry Adjustment		Current Year 2016-17	Previous Year 2015-16
		Provision as on 01/04/2016	Provision as on 31/03/2017		
Teaching Staff :					
Dearness Allowance	128,447,665.00	9,808,022.00	10,661,904.00	129,301,547.00	117,470,164.00
HRA	3,041,396.00	265,078.00	238,575.00	3,014,893.00	3,168,260.00
Transport Allowances	8,083,219.00	655,248.00	658,790.00	8,086,761.00	9,152,276.00
Administrative Officer :					
Dearness Allowance	6,352,595.00	524,422.00	524,979.00	6,353,152.00	6,104,755.00
HRA	512,398.00	45,644.00	41,574.00	508,328.00	364,484.00
Transport Allowances	641,821.00	50,808.00	51,968.00	642,981.00	658,870.00
Other Staff					
Dearness Allowance	39,175,343.00	3,053,434.00	3,120,792.00	39,242,701.00	37671720.00
HRA	3,055,687.00	278,432.00	229,394.00	3,006,649.00	3169042.00
Transport Allowances	4,000,204.00	315,118.00	309,952.00	3,995,038.00	4538961.00

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Washing Allowance	111,356.00	9,630.00	8,730.00	110,456.00	122,695.00
OTHER ALLOWANCES					
Bonus	1,922,034.00			1,922,034.00	697,708.00
Special Allowance	851,612.00	73,575.00	85,777.00	863,814.00	859,898.00
Cash Handling Allowance	2,760.00	230.00	230.00	2,760.00	2,040.00
Computer Allowance	28,500.00			28,500.00	
Cumulative Professional Development Allowance	10,594,319.00			10,594,319.00	9,211,128.00
Family Planning Incentive	191,600.00	16,640.00	15,520.00	190,480.00	222,137.00
Earned Leave Encashment on Salary	2,102,276.00	238,810.00	-	1,863,466.00	3,578,078.00
Leave encashment on Retirement	12,922,995.00		48,720.00	12,971,715.00	8,609,407.00
Deans Honorarium	384,759.00	21,000.00	28,000.00	391,759.00	234,670.00
T.A. on Retirement	-				231,444.00
Total	222,422,539.00	15,356,091.00	16,024,905.00	223,091,353.00	206,067,737.00

ANNEXURE H OF SCH 15

STAFF PAYMENTS & BENEFITS
H (3). RETIREMENT AND TERMINAL BENEFITS

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2017	Journal Entry Adjustment		Current Year 2016-17	Previous Year 2015-16
		Provision as on 01/04/2016	Provision as on 31/03/2017		
Leave Salary	33,000.00			33,000.00	99,000.00
Commuted Value of Pension	13,847,066.00	1,373,303.00		12,473,763.00	7,327,714.00
Gratuity	6,484,732.00		-	6,484,732.00	9,913,987.00
Medical Allowance (Pensioner)	2,288,767.00	182,500.00	191,000.00	2,297,267.00	2,190,570.00
Pension Pay	36,517,650.00	2,693,788.00	3,167,891.00	36,991,753.00	33,611,947.00
Pension Relief	57,576,867.00	4,218,209.00	5,162,180.00	58,520,838.00	49,088,781.00
Arrears of Pension	4,713,948.00	891,845.00	164,050.00	3,986,153.00	8,968,955.00
Total	121,462,030.00	9,359,645.00	8,685,121.00	120,787,506.00	111,200,954.00

SCHEDULE 16 – ACADEMIC EXPENSES**(Amount-Rs)**

Particulars	Current Year				Previous Year			
	Plan	Non- Plan	User Exp.	Total	Plan	Non- Plan	User Exp.	Total
a) Laboratory expenses	-	-	-	-	-	-	-	-
b) Field work/Participation	-	-	-	-	-	-	-	-
c) Seminar/Workshop	-	-	-	-	-	-	-	-
d) Payment to visiting faculty	-	-	-	-	-	-	-	-
e) Examination	-	-	-	-	-	-	-	-
f) Student Welfare expenses	-		544,150.00	544,150.00	-	-	982,000.00	982,000.00
g) Admission expenses				-				-
MBA Admission			402,610.00	402,610.00			372,406.00	372,406.00
M.Tech/ Ph.D. Admission			1,056,873.00	1,056,873.00			722,290.00	722,290.00
h) Convocation expenses				-				-
Convocation expenses		2,496,848.00	1,166,420.00	3,663,268.00		383,573.00		383,573.00
i) Publications				-				-
j) Stipend/means-cum-merit scholarship				-				-
Stipend P.G.				-	106,093,716.00			106,093,716.00
Stipend M Tec	95,359,649.00			95,359,649.00				
Stipend Ph.D.	80,726,876.00			80,726,876.00	70,823,612.00			70,823,612.00
Merit Scholarship	651,000.00			651,000.00	481,000.00			481,000.00
k) Subscription Expenses				-				-
l) Others (specify)				-				-
Alumini Expenses			448,500.00	448,500.00				
Cost of Books & Teaching Material				-			23,998.00	23,998.00
Preparation of Identity Card				-				-
Refund of Excess Fees			770,576.00	770,576.00			2,607,509.00	2,607,509.00
Student Club/Student Activity Centre			7,528,907.00	7,528,907.00			2,979,981.13	2,979,981.13
Registration Fees				-	-	-	-	-
Total	176,737,525.00	2,496,848.00	11,918,036.00	191,152,409.00	177,398,328.00	383,573.00	7,688,184.13	185,470,085.13

SCHEDULE 17 – ADMINISTRATIVE AND GENERAL EXPENSES

(Amount-Rs)

Particulars	Current Year				Previous Year			
	Plan	Non- Plan	User Payment	Total	Plan	Non- Plan	User Payment	Total
A. Infrastructure								
a) Electricity and power								
Colony			1,884,900.00	1,884,900.00			1,884,900.00	1,884,900.00
Hostel			9,124,999.00	9,124,999.00			13,269,563.00	13,269,563.00
Institute		65,025,677.00		65,025,677.00		64,468,573.00		64,468,573.00
b) Water charges				-				-
c) Insurance				-				-
d) Rent, Rates and Taxes (including property tax)				-				-
Rent & Taxes - Hostel and Colony		2,164.00		2,164.00		18,205.00		18,205.00
Water Tax				-				-
B. Communication				-				-
e) Postage & telegram		67,238.00		67,238.00		171,703.00		171,703.00
f) Telephone and Internet Charges				-				-
Telephone Expenses		2,568,426.00		2,568,426.00		3,488,459.00		3,488,459.00
Rental Charges of Internet Bandwidth (Internet Charges)		3,656,823.00		3,656,823.00				-
C. Others				-				-
g) Printing and Stationary		1,033,408.00		1,033,408.00		779,150.00		779,150.00
h) Traveling and Conveyance Exp.		2,714,684.00		2,714,684.00		2,852,500.00		2,852,500.00
j) Hospitality				-				-
j) Auditors Remuneration								
Audit Fees AGUP		237,888.00		237,888.00		1,893,475.00		1,893,475.00
Chartered Accountant Fees		207,000.00		207,000.00		207,000.00		207,000.00
k) Professional Charges				-				-
l) Advertisement and Publicity				-				-
Advertisement		3,812,348.00		3,812,348.00		1,308,018.00		1,308,018.00
m) Magazines & Journals				-				-
Library & E-Journals	-	-		-	-			-
Magazine Charges			13,600.00	13,600.00			6,155.00	6,155.00

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n) Others (specify)								
Extension Of Dispensary & Its Equipment		-		-				
Legal Expenses		1,568,029.00		1,568,029.00		1,116,519.00		1,116,519.00
Library Newspaper & Magazine		6,225.00		6,225.00		7,448.00		7,448.00
Library Operating Cost (incl TLB)		350,082.00		350,082.00		343,648.00		343,648.00
Liveries to Staff		203,355.00		203,355.00		116,055.00		116,055.00
ME/Ph.D/M.Sc. Admission Form				-				-
Utensil Charges			40,450.00	40,450.00			124,450.00	124,450.00
Miscellaneous Contingencies		1,299,361.00		1,299,361.00		1,861,175.00		1,861,175.00
Misc. Expenses		172,000.00	1,458,769.00	1,630,769.00		1,139,986.00	611,525.00	1,751,511.00
Research Grant	386,975.00			386,975.00	806,441.00			806,441.00
Security Charges		27,973,580.00		27,973,580.00		28,488,741.00		28,488,741.00
Recreation Club Teaching & Non Teaching		99,500.00		99,500.00		100,000.00		100,000.00
Anti Ragging Squad		825,670.00		825,670.00		693,583.00		693,583.00
Development Charges				-			23,063.00	23,063.00
Training for Faculty Staff		70,512.00		70,512.00		24,500.00		24,500.00
Executive Development Centre			643,088.00	643,088.00			442,049.00	442,049.00
Medical Reimbursement		4,092,545.00		4,092,545.00		4,048,993.00		4,048,993.00
Medicine including Doctors visit Fees		3,043,582.00		3,043,582.00		2,534,568.00		2,534,568.00
Higher Qualification Incentive				-		8,000.00		8,000.00
Science City Salary			24,150.00	24,150.00			17,250.00	17,250.00
NIT Transit House Contribution	250,000.00			250,000.00	250,000.00			250,000.00
B.O.G & Meetings		1,139,701.00		1,139,701.00		816,063.00		816,063.00
Seminar & Conference		361,611.00		361,611.00		66,810.00		66,810.00
Application fees for appointment			61,225.00	61,225.00			617,844.00	617,844.00
CMDR		561,031.00		561,031.00				-
o) Purchase/Consumables (As per Annexure I)		9,701,418.00		9,701,418.00		8,075,532.00		8,075,532.00
Total	636,975.00	130,793,858.00	13,251,181.00	144,682,014.00	10,56,441.00	124,628,704.00	16,996,799.00	142,681,944.00

DOC/CONSUMABLES/ACADEMIC DEPARTMENTS AND CENTERS

(Amount in Rs.)

Particulars	Current Year 2016-17	Previous Year 2015-16
Purchases - Consumables-(U.G.&P.G.)		
Applied Mechanics Department	563,471.00	572,863.00
Biotech Department	598,455.00	544,867.00
Campus Interview and Placement	409,355.00	
Chemistry Department	303,267.00	313,407.00
Civil Engineering Department	658,462.00	489,425.00
Computer Science Department	1,418,756.00	848,320.00
Electronics and Communication Engg Deptt	359,131.00	348,319.00
Electrical Engineering Department	561,836.00	523,384.00
GIS Cell	270,368.00	211,170.00
Humanities Department	278,821.00	239,924.00
Computer Centre	92,784.00	291,025.00
Maths Department	260,434.00	219,612.00
Mechanical Engineering Department	1,151,602.00	1,201,289.00
NCC	497,990.00	-
SMS/MBA Operating Cost	305,993.00	441,570.00
Physics Department	317,094.00	66,343.00
Training & Placement	346,592.00	290,292.00
Workshop - Mechanical Department	471,123.00	110,227.00
Chemical - Engineering Department	564,551.00	387,837.00
Centre for Interdisciplinary Research	111,266.00	820,916.00
P G Operating Cost	160,067.00	154,742.00
Total	9,701,418.00	8,075,532.00

SCHEDULE 18 – TRANSPORTATION EXPENSES

(Amount-Rs)

Particulars	Current Year			Previous Year		
	Plan	Non- Plan	Total	Plan	Non- Plan	Total
1. Vehicles (owned by educational institution)						
a) Running expenses	-	-	-	-	-	-

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b) Maintenance of Vehicle	-	1,124,520.00	1,124,520.00	-	1,105,491.00	1,105,491.00
c) Insurance expenses	-		-	-	-	-
2. Vehicles taken on rent/lease	-	-	-	-	-	-
a) Rent/lease expenses						-
3. Vehicle(Taxi) Hiring Expenses						
Total	-	1,124,520.00	1,124,520.00	-	1,105,491.00	1,105,491.00

SCHEDULE 19 – REPAIRS & MAINTENANCE

(Amount-Rs)

Particulars	Current Year			Previous Year		
	Plan	Non- Plan	Total	Plan	Non- Plan	Total
a) Building						
Renovation of Building Structure	3,806,800.00		3,806,800.00	5,163,854.00		5,163,854.00
b) Furniture & Fixture			-			-
Maintenance of Furniture			-			-
c) Plant & Machinery			-			-
d) Office Equipments						
Maintenance of Computer & Equipment	4,417,577.00		4,417,577.00	3,139,504.00		3,139,504.00
General Utility Equipment	1,913,424.00		1,913,424.00	1,992,342.00		1,992,342.00
e) Computers			-			-
f) Laboratory & Scientific Equipment			-			-
g) Audio Visual Equipment			-			-
h) Cleaning Material & Services			-			-
i) Book binding charges			-			-
j) Gardening Expenses						
Maintenance Lawns & Gardens		169,185.00	169,185.00		179,639.00	179,639.00
Landscaping and gardening			-	37,630.00		37,630.00
k) Estate Maintenance			-			-
l) Others (specify)						
Renovation of Electric System & Facilities	2,333,767.00		2,333,767.00	2,424,517.00		2,424,517.00
Total	12,471,568.00	169,185.00	12,640,753.00	12,757,847.00	179,639.00	12,937,486.00

SCHEDULE 20 – FINANCE COSTS

(Amount-Rs)

Particulars	Current Year				Previous Year			
	Plan	Non- Plan	User Expenses	Total	Plan	Non- Plan	User Expenses	Total
a) Interest on Fixed loans				-	-	-	-	-
b) Interest on other loans				-	-	-	-	-
Industrial Estate				-			301,894.00	301,894.00
PDTC				-			27,062.00	27,062.00
c) Bank Charges			51,421.00	51,421.00	-	-	42,501.00	42,501.00
d) Others (Specify)				-	-	-	-	-
Total	-	-	51,421.00	51,421.00	-	-	371,457.00	371,457.00

SCHEDULE 21 – OTHER EXPENSES

(Amount-Rs)

Particulars	Current Year			Previous Year		
	Plan	Non- Plan	Total	Plan	Non- Plan	Total
a) Provision for Bad and Doubtful Debts/Advances			-	-	-	-
b) Irrecoverable Balances Written-off			-	-	-	-
c) Grants/Subsidiaries to other institutions/ organizations			-	-	-	-
d) Others (specify)			-			-
Startup (Govt Policies)		254,253.00	254,253.00			
Total	-	254,253.00	254,253.00	-	-	-

SCHEDULE 22 – PRIOR PERIOD EXPENSES

(Amount-Rs)

Particulars	Current Year				Previous Year			
	Plan	Non- Plan	User Payment	Total	Plan	Non- Plan	User Payment	Total
1) Establishment Expenses								
Cumulative Professional Development Allowance				-				-
2) Academic Expenses				-				-
Examination fees				-				-
3) Administrative Expenses				-		1,057,912.00		1,057,912.00
Income Tax Demand Earlier Years				-				-

4) Transportation Expenses				-				-
5) Repair & Maintenance				-				-
6) Other Expenses				-		1,153,740.00		1,153,740.00
Interest on House Building and Motorcycle advance			31,640.00	31,640.00			-	-
Depreciation on E-Journal			3,042,964.80	3,042,964.80				
Interest on FDR				-		34,244,546.00		34,244,546.00
Total		-	-	3,074,604.80	3,074,604.80	-	1,057,912.00	35,398,286.00
								36,456,198.00

SCHEDULE 23 - SIGNIFICANT ACCOUNTING POLICIES & NOTES TO ACCOUNTS

ACCOUNTING CONVENTIONS :

The financial statements are prepared on the basis of historical conventions, unless and otherwise stated and on accrual basis of accounting, except receipt of fees from students which is accounted for on cash basis.

FIXED ASSETS:

Fixed assets are included at cost of acquisition inclusive of inward freight, duties and taxes, incidental and direct expenses related to the acquisition. In respect of projects involving construction, related pre operative expenses form part of the value of assets capitalized.

Fixed assets received by way of non - monetary grants (other than towards the corpus) are capitalized at value stated, by corresponding credit to capital reserve/fund.

Fixed assets acquired by Institute /Project/ Subsidiaries Fund are capitalized and disclosed separately.

Fixed assets are valued at cost less accumulated depreciation.

INTANGIBLE ASSETS:

E-Journals and Computer Software are grouped under Intangible asset

E-Journals are separated from library books in view of the limited benefit that could be derived from the on-line access provided. E-journals are not in a tangible form, but temporarily capitalized and in view of the magnitude of expenditure and the benefits derived in terms of perpetual knowledge acquired by the Academic and Research Staff

DEPRECIATION:

Depreciation on fixed assets has been charged on Straight Line method at rates as prescribed in the Uniform Accounting Standard for all education institutions under MHRD. Depreciation is provided for the whole year on additions during the year. Assets are depreciated over the useful life so that residual value does not fall below 5% of the cost except intangible asset.

Depreciation on fixed assets has been charged to income and expenditure account by corresponding credit to income & expenditure statement from capital fund (for assets created before 01.04.2006) and from differed income (for assets created w.e.f. 01.04.2006).

Depreciation on fixed assets created out of subsidiary funds are charged by the Institute on Straight Line method at rates as prescribed in the Uniform Accounting Standard for all education institutions under MHRD, in cases where subsidiaries have charged depreciation the same has not been considered.

GOVERNMENT GRANTS/ SUBSIDIES:

Government Grants relating to depreciable fixed assets has been taken to deferred government grants account from the year 2006-07 to be recognised in the income and expenditure statement on a systematic and rational basis over the useful life of the asset.

Government grants and subsidies are accounted on receipt basis and/or where there is a reasonable assurance that the grant will be received. Where a sanction for release of grant pertaining to the financial year is received before 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount is shown as recoverable from the Grantor.

Government grants not utilised during the year is shown as unspent balance of funds under current liabilities to be returned / adjusted in the corresponding next year grants to be received.

Government grants excess utilised during the year has been shown as current assets with corresponding credit to income & expenditure account, to be recoverable / adjusted from the corresponding next year grant to be received.

Advances given out of Grant for Capital and Revenue purposes are taken as Grant utilised only when such advance is capitalized or expenditure has been booked.

RETIREMENT BENEFITS:

Pension, Gratuity and Leave Encashment payable on death / retirement of employees is not based on actuarial valuation.

CURRENT ASSETS , LOANS AND ADVANCES:

In the opinion of management the current assets, loans and advances have a value on realisation in the ordinary course of business, equal at least to the aggregate amount shown in the balance sheet.

EARMARKED/ENDOWMENT FUNDS:

Long Term Funds are earmarked for specific purposes. Each of the funds has a separate bank account. Those with large balances also have investments in Term Deposits with banks. The income from investments are credited to the respective funds. The expenditure and advances are debited to the fund.

TAXATION:

Institute being autonomous body exempt from income tax u/s 10(23C) (iiiab) of the Income Tax Act, 1961, hence no provision for income tax has been made.

Corresponding figure of the previous year have been rearranged/ regrouped wherever necessary.

Figures in brackets () represents (-) negative figures.

NOTES TO ACCOUNTS:

Financial Statements from the year 2014-2015 is prepared on the basis of New Format of Accounts for CEI's as provided by MHRD-GOI. Necessary annexures/ groupings to the schedules has been added in order to give a clear understanding of financial statements. Necessary changes in the schedules / groupings as compared to previous year has been made in order to implement New Format of Accounts.

Excess of Income over Expenditure of subsidiaries is being shown separately under the Fund Account of subsidiaries w.e.f year 2006-07. Excess of Income over Expenditure Account of subsidiaries before 2006-07 has been shown under the fund account of institute.

Amount received directly in bank through RTGS/NEFT for which source / head of account could not be ascertained has been transferred to Miscellaneous Receipt Transfer account- Liability

Assets created out of Projects account where ownership has been transferred to institute has been taken as asset of institute . Assets where ownership has not been transferred to institute has been shown under project fixed assets as the ownership of the assets is with the sponsor and corresponding balance is taken in subsidiary fund account (Project Fund)

Foreign Currency Earnings and Outgo during the year 2016-17 is :-

Earnings: Nil

Outgo: USD 36,920.41/=, Pound 1,976.17/= and Euro 4,185/=.

Caution Money received by the Institute has been considered as current liability being repayable on demand

Income and Expense related to previous years where ever occurred due to reconciliation of entries has been taken to Prior Period Income/Expense.
 Excess depreciation charged in earlier years of Rs. 8,01,80,818.85/= has been corrected during the year 2016-17, by corresponding credit to respective fund account or income and expenditure account.
 Depreciation of Rs. 76,152/= of Other Asset (Subsidiary Fund) not charged during the FY 2015-16 has been charged during the year 2016-17.
 E-Journals relating to period 01st Jan. 2015 to 31st Dec 2015 for which payment has been made during the year 2016-17 amounting to Rs. 38,03,706/= has been taken to expenses during the year 2016-17 as prior period expenses.
 Cancelled cheque amounting to Rs. 1,44,98,178/= reflected under Annexure B(6) of Sch. 3 is subject to reconciliation
 Advance given to RITES & CPWD are subject to reconciliation and confirmation.
 Subsidiary account of TEQUIP-II has not been incorporated due to non-receipt of financial statement from respective department.
 Subsidiary account of Nodal Centre has been closed hence not incorporated during the year, however closing entries in institute books is to be passed.
 Interest accrued and TDS deducted thereon for subsidiaries has been taken to the extent such information are made available and provided by the subsidiaries.

SCHEDULE 24 - CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

CONTINGENT LIABILITIES

As on 31.03.2017 Court Cases filed against the Institution, by former/ present employees, tenants and contractors and arbitration cases with contractors, were pending for decisions. The suits filed by employees were establishment -related viz promotions, increments, pay scales, termination etc. The quantum of the claims is not ascertainable. The claim in the suits and arbitration cases by contractors amounted to Rs. 1379.66 Lakhs

Letters of credit established by the Bank on behalf of the Institution and outstanding on 31.03.2017 - Rs 54.06 Lakhs

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

Annexure (ii) of SCH 1 (A-1)

EXPENDITURE OF SUBSIDIARIES

(Amount in Rs.)

Particulars	Current Year 2016-17	Previous Year 2015-16
Alumni Association	3,362,752.00	2,222,452.00
Dean Academic Affairs	7,768,028.00	9,942,898.00
Industrial Estate	1,185,626.75	661,082.00
Nodal Centre (NTMIS)		6,000.00
Project Account	428,644.00	380,018.00
Research & Consultancy Cell	2,870,974.13	1,682,376.00
School of Non Formal Continuing Education	391,454.00	977,039.00
Student Welfare Fund	964,464.00	1,985,139.00
TEQUIP - II	16,101,777.00	20,948,689.05

Text Book Lending Bank	15,995.00	23,328.00
Total	33,089,719.38	38,829,021.05

Annexure (i) of SCH 1 (A-1)

INCOME FROM SUBSIDIARY FUNDS

(Amount in Rs.)

Particulars	Current Year 2016-2017		Previous Year 2015-16
1) Interest Received			
a) On Term Deposits with Scheduled Banks:			
Alumni Association	637,508.00		478,564.00
G.K. Agarwal Trust	18,901.00		20,762.00
Industrial Estate	2,524,426.00		3,889,086.00
Project Account	2,143,606.00		2,445,298.00
Research & Consultancy Cell	5,122,341.00		12,549,496.00
SNFCE	1,420,797.00		840,195.00
Sponsored Gold Medal	20,815.00		25,688.00
Student Welfare Fund	1,232,472.00		1,697,641.00
Student Welfare Fund- Prior Period		13,120,866.00	-
b) On Savings Account with Scheduled Bank:			
Alumni Association	110,790.00		188,382.00
Dean Academic Affairs	1,688,757.00		1,646,118.00
G.K. Agarwal Trust	9,194.00		8,851.00
Industrial Estate	497,264.00		151,571.00
Nodal Centre (NTMIS)	3,769.00		3,301.00
P.D.T.C.	7,211.00		7,523.00
Project Account	1,051,270.00		223,798.00
Research & Consultancy Cell	1,136,552.00		620,822.00
SNFCE	252,354.00		369,310.00
Sponsored Gold Medal	5,021.00		2,999.00
Student Welfare Fund	297,209.00		243,263.00
TEQIP - II			1,407,077.00
Text Book Lending Bank	19,431.00	7,159,968.00	19,706.00
2) Revenue Income:			
Alumni Association	3,681,396.77		2,915,680.16

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Alumni Association-Prior Period	97,995.40		
Dean Academic Affairs			10,122.00
Industrial Estate	2,711,386.69		2,165,818.00
Project Account			1,558,027.00
Research & Consultancy Cell	7,307,225.00		2,759,989.00
SNFCE	5,000.00		7,247,291.00
Student Welfare Fund	1,438,475.00		1,390,580.00
TEQIP II	1,022,684.00		25,000,000.00
Text Book Lending Bank	28,348.00		39,414.00
Sponsored Gold Medal	100,000.00	12,613,118.69	
Total		32,893,952.69	69,926,372.16

Annexure (iii) of SCH 1 (A-1)

DEPRECIATION OF SUBSIDIARIES

(Amount in Rs.)

Particulars	Current Year 2016-17	Previous Year 2015-16
Alumni Association	100,601.00	97,097.00
Dean Academic Affairs	79,435.00	57,236.00
Industrial Estate	11,674.00	11,674.00
Nodal Centre (NTMIS)	21,741.00	21,741.00
Project Account	5,021,591.00	4,135,782.00
Research & Consultancy Cell	3,313,976.00	3,305,103.00
School of Non Formal Continuing Education	4,968.00	4,968.00
Student Welfare Fund	180,226.00	27,922.00
TEQIP - II	2,588,306.00	1,983,774.00
Total	11,322,519.00	9,645,297.00

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2017

(Amount in Rs.)

Receipts	Current Year		Previous Year	
I. OPENING BALANCE:				
Cash in Hand		5,033.00		9,995.00
Bank Account:				
State Bank of India - Fees Account		-	11,300,000.00	

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State Bank of India - Power Jyoti	7,000.00		5,531.45	
State Bank of India - New Fees Account	36,959,303.46	36,966,303.46	114,190,645.00	125,496,176.45
Savings Account & Autosweep:				
Vijaya Bank		369,968,106.83		66,688,925.37
In Fixed Deposits with Banks:				
Institute				
Bank of Baroda	-		94,988,809.00	
State Bank of India	579,517,320.00		279,367,320.00	
Caution Money			0	
State Bank of India	1,727,804.00		1,727,804.00	
Vijaya Bank	8,500,000.00	589,745,124.00	8,500,000.00	384,583,933.00
Earmarked and Endowment Fund:				
Contributory Provident Fund:				
Contributory Provident Fund (SB)	227,999.12		1,683,818.12	
Contributory Provident Fund FDR	11,334,132.00		7,000,000.00	
General Provident Fund:				
General Provident Fund - with Treasury	1,007,349.00		1,007,349.00	
General Provident Fund - with Vijaya Bank (FDR)	219,090,979.00		154,996,556.00	
General Provident Fund - with Bank of Baroda (FDR)			26,249,816.00	
General Provident Fund - with Vijaya Bank (SB)	(2,897,991.00)		9,804,734.00	
Corpus Fund				
Corpus Fund-with (SBI-SB)	9,026,787.00		3,836,992.00	
Corpus Fund-with (SBI-FDR)	145,800,000.00			
Development/Renewal Fund				
Development/Renewal Fund (SBI-SB)	301,647.00		639,690.00	
Development/Renewal Fund (SBI-FDR)	550,000.00			
Maintenance Fund				
Maintenance Fund (SBI-SB)	301,647.00		639,690.00	
Maintenance Fund (SBI-TDR)	550,000.00			
Staff Development Fund				
Staff Development Fund (SBI-SB)	315,302.00		1,279,149.00	
Staff Development Fund (SBI-TDR)	1,200,000.00			
New Pension Scheme:				
Vijaya Bank Saving Account	4,958,422.00		(33,701,536.00)	

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Vijaya Bank Autosweep FDR	-	391,766,273.12	54,633,247.00	228,069,505.12
<u>In Subsidiary Funds:</u>				
<u>Admission Committee</u>	704,312.00		704,312.00	
Alumni Association				
Savings Account	4,939,473.66		3,579,763.50	
Fixed Deposits	5,341,505.00		5,341,505.00	
<u>Dean Academic Affairs</u>	35,987,987.50		44,614,721.50	
<u>G.K. Agarwal Trust :</u>				
Savings Account:	239,233.00		209,620.00	
Fixed Deposits	300,000.00		300,000.00	
<u>Industrial Estate</u>				
Current Account	9,472,063.26		6,064,447.26	
Fixed Deposits	31,590,203.00		30,066,016.00	
<u>Kitchen Project</u>	6,272.00		6,272.00	
<u>Nodal Centre</u>	79,001.00		81,700.00	
<u>P.D.T.C.</u>	193,741.00		186,218.00	
<u>Project Account</u>				
Savings & AutoSweep Account	32,468,246.78		17,419,181.78	
Fixed Deposits	27,527,105.00		36,436,524.00	
<u>Research & Consultancy Cell :</u>				
Savings & AutoSweep Account	27,718,070.55		6,389,793.55	
Fixed Deposits	70,215,295.00		205,114,936.00	
<u>School of Non Formal Continuing Education :</u>				
Current Account	2,521,049.00		5,028,252.00	
Fixed Deposits	19,802,189.00		9,802,189.00	
<u>Sponsored Gold Medal</u>				
Savings Account	94,560.00		65,873.00	
Fixed Deposits	388,488.00		388,488.00	
<u>Student Welfare Fund :</u>				
Savings Account	7,522,153.00		6,190,808.00	
Fixed Deposits	12,582,050.00		12,582,050.00	
<u>TEQIP - II</u>	45,935,508.95		39,459,519.00	
<u>Text Book Lending Bank</u>	516,875.00	336,145,381.70	481,083.00	430,513,272.59
<u>II. GRANT RECEIVED:</u>				

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a) From Government of India				
Non Plan (Recurring) Grant	458,000,000.00		520,000,000.00	
Plan (Non Recurring) Grant	570,000,000.00	1,028,000,000.00	620,398,000.00	1,140,398,000.00
III. ACADEMIC RECEIPTS:				
Tuition Fees:				
Tuition Fees B.Tech	167,611,560.00		159,795,651.00	
Tuition Fees MBA	1,860,000.00		1,944,000.00	
Tuition Fees MCA	13,400,000.00		12,460,000.00	
Tuition Fees M.Tech	49,735,000.00		42,875,000.00	
Tuition Fees Ph.D	4,035,000.00		6,300,000.00	
Tuition Fees M.Sc.	532,500.00		472,500.00	
Tuition Fees MSW	277,500.00		142,500.00	
Registration fee:				
Registration Fees M.Tech	232,100.00		201,800.00	
Registration Fees MBA	15,500.00		19,000.00	
Registration Fees MCA	53,200.00		60,600.00	
Registration Fees PhD	53,800.00		84,000.00	
Registration Fees MSW	3,700.00		2,500.00	
Registration Fees MSC	7,100.00		7,300.00	
Registration Fees B.Tech	843,300.00		809,500.00	
Day Fees B.Tech	1,224,950.00		1,209,800.00	
Day Fees M.Tech	398,675.00		357,050.00	
Day Fees MBA	27,125.00		33,250.00	
Day Fees MCA	93,100.00		105,900.00	
Day Fees Ph.D	80,700.00		232,850.00	
Day Fees MSC	10,650.00		10,950.00	
Day Fees MSW	6,900.00		3,750.00	
M.Tech/Ph.D Admission	2,342,512.00			
Enrolment Fee	151,500.00		157,200.00	
Library Admission fee	2,896,750.00		3,320,016.00	
Laboratory fee:				
Lab Fees B.Tech	2,334,884.00		2,225,750.00	
Lab Fees M.Tech	583,250.00		562,000.00	
Lab Fees MBA	38,750.00		47,500.00	

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Lab Fees MCA	133,000.00		156,500.00	
Lab Fees Ph.D	284,500.00		394,000.00	
Lab Fees MSC	17,750.00		18,250.00	
Lab Fees MSW	9,250.00		6,250.00	
Others Fees				
Syllabus fee	571,900.00		518,400.00	
Annual Examination fee				
Identity card fee	122,525.00		164,600.00	
Medical fee	2,246,750.00		2,956,000.00	
Transportation fee:				
Bus Charges from Student	871,800.00		898,200.00	
Development Fees	1,406,500.00		1,193,450.00	
Magazine Fees	467,200.00		589,100.00	
Placement Charges	2,608,450.00		3,327,616.00	
Student Welfare Fees	534,550.00		618,490.00	
Excess fees deposited	-	258,124,181.00		244,281,223.00
IV. RECEIPTS AGAINST EARMARKED/ENDOWMENT FUNDS				
Contributory Provident Fund:				
Subscription	484,384.00		470,240.00	
General Provident Fund:				
Subscription	32,999,463.00		34,405,658.00	
New Pension Scheme				
Subscription and Loan Recovery	21,780,412.00		20,130,463.00	
Corpus Fund				
Contribution from Tequip II and R & C	-		150,187,500.00	
Development/Renewal Fund				
Contribution from Tequip II	-		187,500.00	
Maintenance Fund				
Contribution from Tequip II	-		187,500.00	
Staff Development Fund				
Contribution from Tequip II	-	55,264,259.00	187,500.00	205,756,361.00
VI. RECEIPTS AGAINST SPONSORED FELLOWSHIPS AND SCHOLARSHIP:				
Institute				

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U.G.C.	708,859.00		1,673,871.00	
QIP Stipend & Contingency	44,026.00		-	
Outside Scholarship	7,428,324.00		1,929,308.00	
UGC Fellowship	-		25,395.00	
CSIR Delhi	1,661,173.00			
AIEEE Scholarship	-		1,400,000.00	
Board of Apprenticeship Training	14,952.00		92,003.00	
ICCCT (Dr. A.K. Misra)			344,820.00	
Subsidiaries				
Project Account :				
Project (Running)	37,038,291.00		30,917,765.00	
Project (Deffered Grant)	9,259,218.00	56,154,843.00	4,670,792.00	41,053,954.00
VII. INCOME ON INVESTMENT FROM				
a) EARMARKED/ ENDOWMENT FUND:				
Contributory Provident Fund:				
Interest on Contributory Provident Fund	403,086.00		2,408,073.00	
General Provident Fund:				
Interest on General Provident Fund	16,537,945.00		32,658,265.00	
Corpus Fund				
Revenue Income	671,337.00		802,295.00	
Development/Renewal Fund				
Revenue Income	20,172.00		24,457.00	
Maintenance Fund				
Revenue Income	20,172.00		24,457.00	
Staff Development Fund				
Revenue Income	21,206.00		48,653.00	
New Pension Scheme				
Interest on autosweep	389,348.00		1,235,116.00	
Interest on saving bank	6,207.00		242,556.00	
Subsidiary Funds				
Alumni Association	3,681,396.77		2,915,680.16	
Alumni Association-Prior Period	97,995.40			
Dean Academic Affairs	-		10,122.00	
Industrial Estate	2,711,386.69		2,165,818.00	

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Project Account	-		1,558,027.00	
Research & Consultancy Cell	7,307,225.00		2,759,989.00	
SNFCE	5,000.00		7,247,291.00	
Student Welfare Fund	1,438,475.00		1,390,580.00	
TEQIP	-		25,000,000.00	
Sponsored Gold Medal	100,000.00			
Text Book Lending Bank	28,348.00	33,389,373.86	39,414.00	80,530,793.16
VIII. INTEREST RECEIVED ON:				
Term Deposits:				
Main Institute	67,077,097.00		26,063,850.00	
Rites- Gurgaon	-		2,089,698.00	
Income tax refund	90,944.00			
Subsidiary Funds:				
Alumni Association	637,508.00		478,564.00	
G.K. Agarwal Trust	18,901.00		20,762.00	
Industrial Estate	1,802,760.00		3,316,755.00	
Project Account	2,143,606.00		2,445,298.00	
Research & Consultancy Cell	5,122,341.00		12,549,496.00	
School of Non Formal Continuing Education	1,420,797.00		840,195.00	
Sponsored Gold Medal	20,815.00		25,688.00	
Student Welfare Fund	1,232,472.00		1,697,641.00	
Savings Bank & Autosweep Accounts:				
Main Institute	5,093,724.00		9,558,629.00	
Subsidiary Funds:				
Alumni Association	110,790.00		188,382.00	
Dean Academic Affairs	1,688,757.00		1,646,118.00	
G.K. Agarwal Trust	9,194.00		8,851.00	
Industrial Estate	497,264.00		151,571.00	
Nodal Centre (NTMIS)	3,769.00		3,301.00	
P.D.T.C.	7,211.00		7,523.00	
Project Account	1,051,270.00		223,798.00	
Research & Consultancy Cell	1,136,552.00		620,822.00	
School of Non Formal Continuing Education	252,354.00		369,310.00	
Sponsored Gold Medal	5,021.00		2,999.00	

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Student Welfare Fund	297,209.00		243,263.00
TEQIP - II	-		1,407,077.00
Text Book Lending Bank	19,431.00		19,706.00
On loan to Employees:			
Interest on Computer Loan Recovery	-		4,015.00
Interest on House Building Loan Recovery	218,906.00		45,500.00
Interest on Motorcycle Loan Recovery	-		13,440.00
Interest on Other Advance	15,266.00	92,055,105.00	64,042,252.00
IX. INVESTMENT ENCASHED			
XI. OTHER INCOME (INCLUDING PRIOR PERIOD INCOME)			
1. Hostel Room Rent			
Hostel Fan Charges	1,327,950.00		1,759,250.00
Hostel Room Rent	3,319,875.00		4,474,000.00
Hostel Utensils	885,300.00		1,061,400.00
Shop/Canteen Rent & Electric Charges	309,362.00		355,820.00
Rent from Staff Quarter	761,601.00		706,657.00
Building Rent	148,816.00		224,575.75
Income from Guest House	4,244,507.00		1,113,576.00
2. Electricity & water charges			
Hostel Electricity Charges	7,000,491.40		8,886,000.25
Water/Electricity Charges from Contractor & Staff	2,012,889.00		2,226,693.00
3. Others			
Computer hiring charges	20,135.00		
Computer Stationery Charges	2,659,750.00		2,979,750.00
E-Mail Charges	4,464,825.00		5,084,700.00
NRI Fees	111,362,354.79		110,771,712.56
Recreation Fees	8,987,000.00		5,486,000.00
Student study tour	91,074.00		142,500.00
Reference material	387,500.00		475,000.00
Verification of Degree/Migration/Marksheet	1,271,770.00		434,280.00
Alumni Fees	434,400.00		260,670.00
CMDR	48,010.00		24,775.00
Application Fees for Appointment	-		45,000.00
M.Tech/Ph.D/M.Sc. Admission Form	8,000.00		-

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Miscellaneous Receipts Institute	392,982.00		1,320,331.27	
Sale of Tender Form	116,500.00		54,800.00	
Vehicle Charges	127,232.00		12,187.00	
Library Misc Receipt	12,222.00		104,350.00	
Seminar & Conference	-		61,272.00	
Retension of Service Charges	204,856.00		636,917.00	
Seminar Registration Fees	9,800.00		-	
RTI Fees	2,486.00		11,165.00	
NIMCET fees	-	150,611,688.19	-	148,713,381.83
Interest Earned on TDR-Prior Period		471,611.00		-
Other Income		27,735.00		
Academic Receipts- Prior Period				47,000.40
LC Debit on R&C Cell	-	-	2,106,318.00	2,106,318.00
XII. DEPOSITS AND ADVANCES				
Advance adjustment to Staff	23,522,793.00		17,611,486.13	
Advance adjustment to Imprest	275,920.00		264,655.00	
Advance adjustment to Parties	-		4,833,371.00	
Institute-Nodal Centre NTIMS	1,701,767.00			
Festival Advance	3,970,200.00		-	
CCB Fund			69,385.00	
NPS Payment			504,537.00	
Tax Deducted at Source FY 2013-14 refunded	973,180.00			
Subsidiary-				
Subsidiary-Dean Academics - Advances	1,540.00		30,000.00	
Subsidiary-Project Account - Advance & Imprest	511,780.00		320,770.00	
R&C Cell - Advances & Imprest	1,710,633.00		365,176.00	
R&C Cell - Receivable from Project Account	740,800.00		678,700.00	
SNFCE - Receivable against FDP	5,000.00			
SNFCE - Advance & Imprest			140,240.00	
Industrial Estate-Advance for Imprest	6,000.00			
TEQIP - Advances Recoverable	3,014,800.00		1,110,000.00	
Recoverable Deposit- Institute- G.I. for Students	1,172,743.00		2,317,156.64	
Recoverable Deposit- Institute-Group Insurance Scheme	1,543,392.00	39,150,548.00	1,159,550.00	29,405,026.77
XIII. MISCELLANEOUS RECEIPTS INCLUDING STATUTORY RECEIPTS				

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Income Tax	44,759,972.00		37,092,918.00	
Sales Tax	200,923.00		556,062.00	
Employees contribution to C.P.F	484,384.00		495,240.00	
Employees contribution to N.P.S	21,549,564.00		20,289,728.00	
GPF- contribution to employees	32,590,823.00		33,467,894.00	
SUBSIDIARIES				
Project Account - Income Tax	418,320.00		85,751.00	
R&C Cell - Income Tax	3,212,670.00		1,417,273.00	
R&C Cell - Service Tax	2,508,145.00		3,214,912.00	
SNFCE - Income Tax	22,822.00	105,747,623.00	106,235.00	96,726,013.00
XIV. ANY OTHER RECEIPTS				
Loan Account of PDTC & Industrial Estate	301,894.00		-	
NIMSET Scheme	191,000.00			
TEQUIP II STIPEND	2,503,655.00		9,400,000.00	
Prime Minister Relief Fund			165,675.00	
NMEICT Scheme	-		122,993.00	
Cancelled Cheques	807,541.00		2,952,273.00	
DST New Delhi	3,130,420.00		6,403,736.00	
Examination Fees	13,284,000.00		15,403,538.00	
House and buiding recovery employees			280,760.00	
L.I.C.	665,399.90		798,824.00	
Diety Programme	5,232,789.00		2,600,025.00	
Other Liabilities (Misc. Receipt Transfer)	10,714,712.00		6,059,457.00	
Employees loan from SBI			504,492.00	
Merit Scholarship			502,000.00	
State Scholarship			41,658.00	
Leave Salary Contri.(Deputation)	284,808.00		3,419,922.00	
Revenue Stamp (Stamp Fees)			9,131.00	
Caution Money	5,758,000.00		3,144,000.00	
Earnest Money/ Security Money	621,496.00		4,249,019.00	
Project Account Dean R & C	3,846,588.00		-	
Gain Project	4,896,000.00		2,992,000.00	
LSDSS Project 2015	-		42,430.00	
Project A/c	1,794,000.00		1,827,082.00	

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Salary Adhoc			1,005,040.00	
Prayag Project		-	200,000.00	
Union Donation	135,000.00		71,500.00	
SUBSIDIARIES				
Project Account - Decrease in Current Asset		-	1,960,873.00	
Alumni Association - Amount Payable	448,500.00		916,600.00	
Dean Academics - Cancelled Cheques	88,500.00		121,065.00	
Industrial Estate - Expenses Payable	32,570.00		-	
Project Account - Accounting Charges Payable	20,000.00		20,000.00	
R&C Cell - Expenses Payable	32,000.00		20,000.00	
SNFCE- Cancelled Cheque	39,150.00		30,200.00	
R&C Cell -Workshop Participation fees	56,000.00			
R&C Cell - Testing & Consultancy (Pending)	16,715,496.00	71,599,518.90	23,122,964.00	88,387,257.00
Total		3,616,192,708.06		3,376,809,387.69

Payments	Current Year		Previous Year	
I. Expenses				
a) Establishment Expenses				
a) Salaries and Wages (Refer Annexure H (1))	226,274,723.00		215,444,035.00	
b) Allowances and Bonus (Refer Annexure H (2))	222,422,539.00		203,387,602.00	
c) Contribution to Provident Fund	242,192.00		235,120.00	
d) Contribution to Other Fund (specify)				
Pension Contribution	41,588.00		124,764.00	
New Pension Scheme	10,766,858.00		10,123,210.00	
e) Retirement and Terminal Benefits (Refer Annexure H (3))	121,462,030.00		107,688,065.00	
Gratuity Payable	1,000,000.00			
Retirement Leave Encashment Payable	1,650,830.00			
f) LTC facility	4,496,674.00		3,464,711.00	
g) Children Education Allowance	3,704,366.00		3,574,323.00	
h) Telephone Expense	2,524,440.00	594,586,240.00	3,265,312.00	547,307,142.00
b) Academic Expenses				
Admission expenses				
MBA Admission	402,610.00		372,406.00	
M.Tech/Ph.D Admission	1,056,873.00		722,290.00	

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<u>Convocation expenses</u>				
Convocation expenses	3,663,268.00		383,573.00	
<u>Stipend/means-cum-merit scholarship</u>				
Stipend P.G.	-		106,093,716.00	
Stipend M Tec	95,359,649.00			
Stipend Ph.D	80,726,876.00		70,823,612.00	
Scholarship	651,000.00		481,000.00	
<u>Others (specify)</u>				
Cost of Books & Teaching Material	-		23,998.00	
Alumini Expenses	448,500.00			
Refund of Excess Fees	770,576.00		2,607,509.00	
Student Welfare Expenses	544,150.00		982,000.00	
Student Club/Student Activity Centre	7,528,907.00	191,152,409.00	2,979,981.13	185,470,085.13
c) Administrative Expenses				
Infrastructure				
<u>Electricity and power</u>				
Colony	2,041,975.00		1,884,900.00	
Hostel	9,124,999.00		14,719,432.00	
Institute	74,273,535.00		58,320,715.00	
<u>Rent, Rates and Taxes (including property tax)</u>				
Rent & Taxes - Hostel and Colony	2,164.00		18,205.00	
Communication				
Postage & telegram	67,238.00		171,703.00	
Telephone and Internet Charges				
Rental Charges of Internet Bandwidth (Internet Charges)	3,656,823.00		-	
Others				
Printing and Stationary	1,033,408.00		779,150.00	
Traveling and Conveyance Expenses	2,714,684.00		2,852,500.00	
<u>Auditors Remuneration</u>				
Chartered Accountant Fees	207,000.00		205,200.00	
Audit Fees AGUP	237,888.00		1,893,475.00	
<u>Advertisement and Publicity</u>				
Advertisement UG	3,812,348.00		1,308,018.00	
<u>Magazines & Journals</u>				

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Library & E-Journals	-	-	-
Magazine Charges	13,600.00		6,155.00
Others (specify)			
Extention Of Dispencery & Its Equipment	-		
Legal Expenses	1,568,029.00		1,116,519.00
Library Newspaper & Magazine	6,225.00		7,448.00
Library Operating Cost	350,082.00		343,648.00
Liveries to Staff	203,355.00		116,055.00
Utensil Charges - Revenue	40,450.00		124,450.00
Miscellaneous Contingencies	1,299,361.00		1,861,175.00
Misc. Expenses	1,630,769.00		1,751,511.00
Research Grant	386,975.00		806,441.00
Security Charges	27,837,556.00		28,300,686.00
Recreation Club Teaching & Non Teaching	99,500.00		100,000.00
Anti Ragging Squad	825,670.00		693,583.00
Development Charges	-		23,063.00
Training for Faculty Staff	70,512.00		24,500.00
Executive Development Centre	643,088.00		442,049.00
Medical Reimbursement	4,092,545.00		4,048,993.00
Medicine including Doctors visit Fees	3,043,582.00		2,534,568.00
Higher Qualification Incentive	-		8,000.00
Science City Salary	24,150.00		17,250.00
NIT Transit House Contribution	250,000.00		250,000.00
B.O.G & Meetings	1,139,701.00		816,063.00
Seminar & Conference	361,611.00		66,810.00
Application fees for appointment	61,225.00		617,844.00
VAT	561,031.00		-
Purchase/Consumables (As per Annexure I)	9,701,418.00	151,382,497.00	8,075,532.00
d) Transportation Expenses			
Vehicles (owned by educational institution)	-		-
Repairs & maintenance		1,124,520.00	1,105,491.00
e) Repairs & Maintenance			
Building			
Renovation of Building Structure	3,806,800.00		5,163,854.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Office Equipments				
Maintenance of Computer & Equipment	4,417,577.00		3,139,504.00	
General Utility Equipment	1,913,424.00		1,992,342.00	
Maintenance Lawns & Gardens	169,185.00		179,639.00	
Landscaping and gardening	-		37,630.00	
Others (specify)				
Renovation of Electric System & Facilities	2,333,767.00		2,424,517.00	
Startup (Govt Policies)	254,253.00	12,895,006.00		12,937,486.00
f) Prior Period Expenses				
Interest on House Building and Motorcycle advance	31,640.00			
Administrative Expenses	-		205,277.00	
Interest On TDR	-		34,244,546.00	
Other Expense	-	31,640.00	808,197.00	35,258,020.00
II. PAYMENTS AGAINST EARMARKED/ENDOWMENT FUNDS				
General Provident Fund:				
Loan & Final Payments	37,538,791.00		41,922,041.00	
New Pension Scheme:				
Loan & Final Payments	19,060,461.00		37,581,424.00	
Subsidiary Funds-Expenditure				
Alumni Association	3,362,752.00		2,222,452.00	
Dean Academic Affairs	7,768,028.00		9,942,898.00	
Industrial Estate	1,185,626.75		661,082.00	
Nodal Centre (NTMIS)	-		6,000.00	
Project Account	428,644.00		380,018.00	
Research & Consultancy Cell	2,870,974.13		1,682,376.00	
School of Non Formal Continuing Education	391,454.00		977,039.00	
Student Welfare Fund	964,464.00		1,985,139.00	
TEQIP - II	16,101,777.50		20,948,689.05	
Text Book Lending Bank	15,995.00	89,688,967.38	23,328.00	118,332,486.05
III. PAYMENTS AGAINST SPONSORED PROJECTS/SCHEMES				
IV. PAYMENTS AGAINST SPONSORED FELLOWSHIPS/SCHOLARSHIPS				
Institute				
Conference ICPCES - 2010-11 EED			539,217.00	
U.G.C.	708,859.00		1,885,071.00	

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QIP Stipend & Contingency	-		739,724.00	
QIP Poly technique	-		54,000.00	
UGC Fellowship	393,859.00		194,177.00	
Fellowship (CSIR)	-		38,045.00	
CSIR Delhi	1,552,773.00			
Board of Apprenticeship Training	14,792.00		320,608.00	
AIEEE Schlorship	1,295,000.00		105,000.00	
Outside Scholarship	5,060,662.00		1,715,200.00	
Subsidiaries				
Project Account :				
Project (Running)	37,996,527.00	47,022,472.00	20135906	25,726,948.00
V. INVESTMENTS AND DEPOSITS MADE				
VI. TERM DEPOSITS WITH SCHEDULED BANKS				
VII. EXPENDITURE OF FIXED ASSESTS AND CAPITAL WORK IN PROGRESS				
a) Fixed Assets				
1. Land	-		-	
2. Buildings	16,604,351.00		18,385,669.00	
3.Plant, machinery and equipment	14,303,821.00		79,759,466.00	
4. Vehicles	-		-	
5. Furniture and fixtures	1,426,648.00		4,383,034.00	
6. Office equipment	3,900,361.00		1,180,622.00	
7. Computer peripherals	10,847,606.00		13,875,258.00	
8. Electric installations	4,044,374.00		1,518,658.00	
9. Library books	20,000.00		30,469.00	
10. Tube wells and water supply	174,353.00		-	
11. Other fixed assets	23,358.00		671,338.00	
b) Intangible Asset				
12. Computer Software	2,297,810.00		-	
13. E-Journals	3,803,706.00		94,970,008.00	
c) Capital Work in Progress	-	63,758,862.00	3,165,821.00	217,940,343.00
VIII. OTHER PAYMENTS INCLUDING STATUTORY PAYMENTS				
Income Tax	42,707,678.00		37,092,918.00	
Sales Tax	200,923.00		556,062.00	
Employees contribution to C.P.F	484,384.00		495,240.00	

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Employees contribution to N.P.S	21,657,912.00		20,181,380.00	
GPF- contribution to employees	32,587,823.00		34,032,093.00	
SUBSIDIARIES				
Project Account – Income Tax	419,320.00		101,151.00	
R&C Cell – Income Tax	1,671,409.00		2,416,012.00	
R&C Cell – Service Tax	2,508,145.00		3,214,912.00	
SNFCE – Income Tax	22,822.00		106,235.00	
Dean Academic Affairs – Income Tax		102,260,416.00		98,196,003.00
IX. REFUND OF GRANT				
X. DEPOSITS AND ADVANCES				
Advance given to Staff	27,379,433.00		21,172,065.40	
Imprest given to Staff	425,000.00		274,405.00	
Advance given to Parties	412,697,764.00		44,267,358.00	
Institute-Nodal Centre NTIMS	1,701,767.00			
Project Account – Advance for Plant and Machinery	2,830,426.00			
Institute-LC Debit on account R&C	-		2,106,318.00	
Recovery against Debts Outstanding of Industrial Estate	1,229,457.69		26,764.00	
Recoverable from SBI	1,455,616.00			
Industrial Estate-Advance for imprest	7,500.00			
Tax Deducted at Source FY 2016-17	3,731,009.00		-	
Tax Deducted at Source-Industrial Estate	140,756.00		-	
Tax Deducted at Source-Alumini Association	(40,510.00)		19,847.00	
Tax Deducted at Source-Earnmarked fund as per Sch 2	66,257.00			
Subsidiary				
Subsidiary TEQUIP-II - Advance	6,750,492.00			
Subsidiary-Dean Academics - Advances	-		30,000.00	
Subsidiary-Project Account - Advance & Imprest	707,980.00		599,870.00	
R&C Cell - Advances & Imprest	933,000.00		1,083,183.00	
R&C Cell - Receivable from Project Account	740,400.00		678,700.00	
Subsidiary-Student Welfare Fund - Advance	-		15,000.00	
TEQIP - Advances Recoverable	1,050,000.00		-	
Recoverable Deposit- Institute- G.I. for Students	1,172,743.00		1,169,078.00	
Recoverable Deposit- Institute-Group Insurance Scheme	1,279,007.00		1,633,352.00	
Recoverable Deposit- Institute-Security & Earnest Money		464,258,097.00	3,189,051.00	76,264,991.40

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

XI. OTHER PAYMENTS			
Bank Charges	51,421.00		42,501.00
Alumni Association			578,370.00
NMEICT Scheme	118,324.00		98,940.00
Prime Minister Relief Fund			165,675.00
NIMSET Scheme	191,000.00		100,000.00
ICCCT Seed			50,000.00
TEQUIP II STIPEND	8,493,558.00		6,807,886.00
Cancelled Cheques	1,579,108.00		1,552,970.00
DST New Delhi	4,089,338.00		5,363,800.00
Examination Fees	1,274,114.00		70,500.00
Project Account	1,282,853.00		
House and buiding recovery employees			280,760.00
Gain Project	3,991,979.50		-
L.I.C.	729,310.00		735,014.00
M.Tech (Part Time)	-		7,247,291.00
Other Liabilities (Misc. Receipt Transfer)	10,929,676.14		5,830,832.00
Diety Programme	5,232,789.00		-
Employees loan from SBI			504,492.00
Merit Scholarship			762,000.00
Revenue Stamp (Stamp Fees)			9,131.00
C-DAC			116,240.00
Caution Money	2,728,000.00		1,322,000.00
Earnest Money/ Security Money	999,847.00		4,749,367.00
Tequip II			203,709.00
LSDSS Project 2015	-		15,000.00
Project A/c	1,794,000.00		1,827,082.00
Salary Adhoc			1,005,040.00
Prayag Project	-		199,462.00
Union Donation	135,000.00		71,500.00
<u>SUBSIDIARIES</u>			
Alumni Association - Income Tax & TDS paid	-		353,375.00
Project Account- Transfer to General Corpus Fund	-		10,000,000.00
R & C Cell - Transfer to General Corpus Fund	-		140,000,000.00

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Project Account - Accounting Charges Payable	20,000.00		20,000.00	
Project Account - University of Allahabad	-		155,691.00	
R&C Cell - Expenses Payable	20,000.00		42,972.00	
SNFCE- C-Dac	-		157,400.00	
SNFCE- Cancelled Cheque	8,750.00			
R&C Cell - Testing & Consultancy (Pending)	21,973,192.00	65,642,259.64	8,929,529.00	199,368,529.00
VI. CLOSING BALANCE:				
Cash in Hand		49,272.00		5,033.00
Bank Account:				
State Bank of India - Power Jyoti	9,038.71		7,000.00	
State Bank of India - New Fees Account (with Autosweep)	168,237,546.96	168,246,585.67	36,959,303.46	36,966,303.46
Savings Account & Autosweep:				
Vijaya Bank	121,367,533.07	121,367,533.07	369,968,106.83	369,968,106.83
In Fixed Deposits with Banks:				
Institute				
State Bank of India	806,760,339.00		579,517,320.00	
Caution Money				
State Bank of India	1,727,804.00		1,727,804.00	
Vijaya Bank	8,500,000.00	816,988,143.00	8,500,000.00	589,745,124.00
Earmarked and Endowment Fund:				
Contributory Provident Fund:				
Contributory Provident Fund (SB)	151,534.12		227,999.12	
Contributory Provident Fund FDR	12,298,067.00		11,334,132.00	
General Provident Fund:				
General Provident Fund - with Treasury	1,007,349.00		1,007,349.00	
General Provident Fund - with Vijaya Bank (FDR)	227,169,919.00		219,090,979.00	
General Provident Fund - with Vijaya Bank (SB)	949,076.00		(2,897,991.00)	
Corpus Fund				
Corpus Fund-with (SBI-SB)	9,632,841.00		9,026,787.00	
Corpus Fund-with (SBI-FDR)	145,800,000.00		145,800,000.00	
Development/Renewal Fund				
Development/Renewal Fund (SBI-SB)	321,690.00		301,647.00	
Development/Renewal Fund (SBI-FDR)	550,000.00		550,000.00	
Maintenance Fund				

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Maintenance Fund (SBI-SB)	321,199.00		301,647.00	
Maintenance Fund (SBI-TDR)	550,000.00		550,000.00	
Staff Development Fund				
Staff Development Fund (SBI-SB)	336,283.00		315,302.00	
Staff Development Fund (SBI-TDR)	1,200,000.00		1,200,000.00	
New Pension Scheme:				
Vijaya Bank Saving Account	8,073,928.00	408,361,886.12	4,958,422.00	391,766,273.12
In Subsidiary Funds:				
Admission Committee	704,312.00		704,312.00	
Alumni Association				
Savings Account	1,329,553.83		4,939,473.66	
Fixed Deposits	10,541,505.00		5,341,505.00	
Dean Academic Affairs	29,717,201.50		35,987,987.50	
G.K. Agarwal Trust :				
Savings Account:	267,328.00		239,233.00	
Fixed Deposits	300,000.00		300,000.00	
Industrial Estate				
Current Account	10,898,809.51		9,472,063.26	
Fixed Deposits	31,792,593.00		31,590,203.00	
Kitchen Project	6,272.00		6,272.00	
Nodal Centre	82,770.00		79,001.00	
P.D.T.C.	200,952.00		193,741.00	
Project Account				
Savings & AutoSweep Account	29,105,010.78		32,468,246.78	
Fixed Deposits	29,670,711.00		27,527,105.00	
Research & Consultancy Cell :				
Savings & AutoSweep Account	30,243,021.42		27,718,070.55	
Fixed Deposits	75,337,636.00		70,215,295.00	
School of Non Formal Continuing Education :				
Current Account	3,843,146.00		2,521,049.00	
Fixed Deposits	19,802,189.00		19,802,189.00	
Sponsored Gold Medal				
Savings Account	220,396.00		94,560.00	
Fixed Deposits	388,488.00		388,488.00	

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Student Welfare Fund :				
Savings Account	9,525,845.00		7,522,153.00	
Fixed Deposits	12,582,050.00		12,582,050.00	
TEQIP - II	20,267,452.45		45,935,508.95	
Text Book Lending Bank	548,659.00	317,375,901.49	516,875.00	336,145,381.70
Total		3,616,192,708.06		3,376,809,387.69

PARTNER

DEPUTY REGISTRAR (ACCOUNTS)

REGISTRAR

ANNEXURES

Annexure-1	NIT Council
Annexure-2	Board of Governors
Annexure-3	Finance Committee
Annexure-4	Building and Works Committee
Annexure-5	Senate
Annexure-6	Externally Funded Research Projects
Annexure-7	Details of Testing & Consultancy
Annexure-8	Ph.D. Degrees Awarded

COUNCIL OF NATIONAL INSTITUTE OF TECHNOLOGY (NIT COUNCIL)

The Council shall consist of the following members, namely:-

- (a) the Minister in charge of the Ministry or Department of the Central Government having administrative control of the technical education, *ex officio*, as Chairman;
- (b) the Secretary to the Government of India in charge of the Ministry or Department of the Central Government having administrative control of the technical education, *ex officio* as Vice-Chairman;
- (c) the Chairperson of every Board, *ex officio*;
- (d) the Director of every Institute, *ex officio*;
- (e) the Chairman, University Grants Commission, *ex officio*;
- (f) the Director General, Council of Scientific and Industrial Research, *ex officio*;
- (g) four Secretaries to the Government of India, to represent the Ministries or Department of the Central Government dealing with biotechnology, atomic energy, information technology and space, *ex officio*;
- (h) the Chairman, All India Council for Technical Education, *ex officio*;
- (i) not less than three, but not more than five persons to be nominated by the Visitor, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, industry, science or technology;
- (j) three members of Parliament, of whom two shall be chosen by the House of the People and one by the Council of States:

Provided that the office of member of the Council shall not disqualify its holder for being chosen as or for being, a member of either House of Parliament;
- (k) two Secretaries to the State Government, from amongst the Ministries or Departments of that Government dealing with technical education where the Institutes are located, *ex officio*;
- (l) Financial Advisor, dealing with the Human Resource Development Ministry or Department of the Central Government, *ex officio*;
- (m) one officer not below the rank of Joint Secretary to the Government of India in the Ministry or Department of Central Government having administrative control of the Technical Education, *ex officio*, as Member-Secretary.

BOARD OF GOVERNORS

The Board of Governors of the Institute consists of the following members:

- | | | |
|-------|--|-------------|
| (i) | The Chairperson to be nominated by the Visitor | Chairperson |
| (ii) | The Director, ex-officio; | Member |
| (iii) | Two persons not below the rank of the Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance; | Member |
| (iv) | Two persons to be nominated by the Government of the State in which the Institute is situated, from amongst persons, who in the opinion of that Government, are technologists or industrialists of repute; | Member |
| (v) | Two persons, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council; and | Member |
| (vi) | One professor and one assistant professor or a lecturer of the Institute to be nominated by the Senate. | Member |
| (vii) | Registrar | Secretary |

FINANCE COMMITTEE

The Finance Committee consists of the following persons:

- | | |
|---|-------------------------------|
| (i) The Chairperson Board of Governor | Chairman (Ex-Officio) |
| (ii) The Director | Member (Ex-Officio) |
| (iii) Joint Secretary dealing with National Institutes of Technology or his nominee and Financial Advisor (Human Resource Development) or his nominee members | Members |
| (iv) Two persons nominated by the Board from amongst its members | Members |
| (v) The Registrar | Member Secretary (Ex-Officio) |

(Provided that in addition to the above, the Chairman may, in consultation with the Director, co-opt a member as and when found necessary)

BUILDING AND WORKS COMMITTEE

The Building and Works Committee Consists of the following persons:

- | | | |
|-------|--|-------------------------------|
| (i) | The Director of the Institute | Chairman (Ex-Officio) |
| (ii) | One member nominated by the Central Government not below the rank of Director or Deputy Secretary | Member |
| (iii) | One member nominated by the Board of Governors | Member |
| (iv) | Registrar | Member Secretary (Ex-Officio) |
| (v) | Dean, Planning and Development or similar position | Member |
| (vi) | One expert each from Civil and Electrical Engineering Wing of the Central or State Government or any autonomous body of repute | Member |

SENATE

The Senate of the Institute consists of the following persons:

- | | | |
|-------|---|-----------------------|
| (i) | The Director of the Institute | Chairman (Ex-Officio) |
| (ii) | The Deputy Director | Member (Ex-Officio) |
| (iii) | The professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute | Member |
| (iv) | Three persons, one of whom shall be a woman, not being employees of the Institute, to be nominated by the Chairperson in consultation with the Director, from amongst educationists of repute, one each from the field of science, engineering and humanities | Member |
| (v) | Such other members of the staff as may be laid down in the Statutes | Member |
| (vi) | Registrar | Secretary |

DETAILS OF EXTERNALLY FUNDED RESEARCH PROJECT (UPTO 31.03.2017)

Sl. No	Principal Investigator/Co-investigator	Project Title	Funding Agency	Sanctioned Amount (₹)	Month year of project Sanction and Duration
1	Prof. R. C. Vaishya	Air Pollution Monitoring Project	UPPCB, Lucknow	46,48,200.00	Jun-2006/Year to Year Continue
2	Dr. Rajesh Kumar Shastri	A Study on Role of NGOs in Capacity Building & Social Mobilization of rural People: Comparative Study Between Uttar Pradesh and Madhya Pradesh	ICSSR, New Delhi	4,00,000.00	Dec-2015/ 1 Year
3	Prof. R. P. Singh	Ambient Air Quality Monitoring and Noise Monitoring at three locations in Allahabad City	UPPCB, Lucknow	7,12,000.00	Dec-2014/ 3 Years
4	Dr. Tanuj Nandan	Antecedents and Consequences of Investment Behaviour amongst Urban Poor: A Study of Uttar Pradesh	ICSSR, New Delhi	8,00,000.00	Nov-2014/ 3 Years
5	Dr. Nekram Rawal / Rashi Gupta	Application of Iron Oxide Nanoparticles for Heavy Metal Removal from River Ganga	DST, New Delhi	3,53,000.00	Sep-2015/ 1 Year
6	Dr. Sameer Srivastava	Characterization of Epigenetically Deregulated Genes in Colorectal Adenomas/Carcinomas Using Next Generation Sequencing Technologies for Development of Novel Biomarkers.	DBT, New Delhi	24,95,500.00	July-2015/ 3 Years
7	Dr. Rohit Kumar Mishra	Delineating the role nano-herbal composites in ergosterol biosynthesis inhibition in dermatophytes	SERB, New Delhi	32,20,000.00	Oct-2014/ 3 Years
8	Dr. P. Karuppanan	Design and Development of an FPGA Controller for PEM Fuel Cell Power Systems	DAE, Mumbai	18,89,200.00	Dec-2014/ 3 Years
9	Dr. Shivesh Sharma	Design and Innovation Centre	MHRD, New Delhi	13,00,000.00	Jan-2015/ 3 Years
10	Dr. Yogendra Kumar Prajapati	Design and study of the sensitivity of optical biosensors having matamaterials	SERB, New Delhi	23,39,000.00	Jun-2014/ 3 Years
11	Dr. Basant Kumar	Design of Neural Network based Pacemaker	DBT, New Delhi	14,93,000.00	Dec-16/ 3 Years
12	Dr. Naresh Kumar	Development of Ferrite-Semiconductor Composites Hollow Nanospheres Based Sensors for Enhanced Bio and Gas Sensing Performances	CSIR, New Delhi	20,00,200.00	Dec-16/ 3 Years
13	Dr. Ashutosh Mani	Domain Specific Functional Investigation of YB-1(a cold shock domain protein) Interactors as Prospective Therapeutic Targets in Adenocarcinoma of colon	SERB, New Delhi	30,00,000.00	Mar-2015/ 3 Years

14	Dr. Sunil Singh	DST Inspire Faculty award title "To Develop graphene based biosensor for the detection of cardiovascular diseases."	DST, New Delhi	19,00,000.00	Feb-13/ 5 Years
15	Dr. Anuj Jain	Effects of Respirable Suspended particulate Matter (RSPM) on Chronic Obstructive Pulmonary Diseases (COPD) Using Computational Fluid Dynamics (CFD)	CST, Lucknow	11,48,000.00	May-2015/ 3 Years
16	Dr. Soumya Ranjan Mohanty	Embedded disturbance detection and classification for the distributed generation source connected to grid	SERB, New Delhi	36,93,000.00	May-2015/ 3 Years
17	Prof. Anuj jain	Experimental and Computational Studies on Human Airways	SERB, New Delhi	38,48,200.00	Jun-2014/ 3 Years
18	Dr. Raj Mohan Singh	Groundwater System Modeling Under climatic Changes and Uncertainty	SERB, New Delhi	20,96,400.00	Sep-2014/ 3 Years
19	Dr. Rajesh Gupta	Hybrid DC Micro Grid System for Future Residential-Rural Electrification	MNRE, New Delhi	26,98,500.00	Feb-2016/ 3 Years
20	Dr. Pramod Kumar Yadav	Hydrodynamics modeling of Complex porous membranes and their applications in engineering sciences	SERB, New Delhi	8,08,500.00	Nov-16/ 3 Years
21	Dr. Hemant Kumar Pandey	Identification of Groundwater prospect and recharge zones in Districts Banda and Mahoba of Bundelkhand region of Uttar Pradesh	DST, New Delhi	18,08,000.00	Sep-16/ 2 Years
22	Dr. Ashutosh Mani	Identification of Novel Drug Targets in Aspergillus Fumigatus Genome Prioritized by essentiality based screening and rational designing of new Antifungal compounds	CST, Lucknow	7,50,000.00	May-2015/ 3 Years
23	Dr. Manisha Sachan	Identification of Novel Epigenetic Biomarkers Next Generation Sequencing Technologies towards Developing a Multiplex Methylight Assay for early diagnosis of Epithelial ovarian cancer	ICMR, New Delhi	14,24,250.00	Mar-17/ 1 Year
24	Dr. Asheesh Kumar Singh	Implementation of Fast Charging/Discharging PHEVs Integrated with Modern UPS for Peak Demand Reduction in Distribution System	CSIR, New Delhi	23,05,200.00	Nov-2015/ 3 Years
25	Dr. R. S. Yadav	Information Security Education & Awareness (ISEA) Project - Phase - II	DeitY, New Delhi	36,06,000.00	Feb-2015/ 3 Years
26	Dr. Arun Kumar Singh	Electronic and Optical properties of Organic Semiconductors on 2D Nanomaterials (Graphene, MoS ₂ ,	DST, New Delhi	17,00,000.00	Jan-14/ 5 Years

27	Dr. Rohit Ranjan Sahi	WS2) Studies on Nanoparticles Decoration in Super Critical Fluid To Improve The Hydrogen Sorption Cyclability of Most Promising Storage Materials i.e. Manesium	DST, New Delhi	17,00,000.00	Jan-14/ 5 Years
28	Dr. Ram Ji Dwivedi	Landslide inventory Preparation using Multi-temporal SAR Interferometry (InSAR)	DST, New Delhi	17,94,100.00	Mar-17/ 2 Years
29	Dr. Ajeet Singh	Modeling of Dyes and perovskites based Sensitizer for solar energy harvesting	SERB, New Delhi	33,20,000.00	July-2015/ 3 Years
30	Dr. Ravi Prakash Tiwari	Modeling, Simulation and Development of Smart Active Ankle Foot Orthotic Device for Gait Rehabilitation	DST, New Delhi	17,83,000.00	Sep-16/ 3 Years
31	Dr. Ram Pratap Yadav	Surface Study of ZnO and In ₂ O ₃ Thin Films by Fractal Approach and Its Applications	SERB, New Delhi	16,20,000.00	Jun-16/ 2 Years
32	Dr. Manoj Kumar	Numerical Algorithms based on Neural Network for the solution of boundary value problems	NBHM, Mumbai	13,64,600.00	Oct-2016/ 3 Years
33	Dr. Manoj Kumar	Numerical Simulation of Elliptic Interface Problems Arising in Steady State Heat Conduction in Composite Systems.	CSIR, New Delhi	11,50,400.00	Oct-2014/ 3 Years
34	Dr. Nand Kishor	Operation of the Smart Grid With Wide Area Information (Opera Grid)	DST, New Delhi	18,85,980.00	May-2015/ 3 Years
35	Dr. Rajesh Gupta	Power Electronics Converter Based Bidirectional Power Flow Controller for Energy Storage Applications	CSIR, New Delhi	17,05,000.00	Jun-2015/ 3 Years
36	Dr. Sangeeta Negi	Process Development for the Enzymatic Conversion of Grease into Long Chain Fatty Acid	DBT, New Delhi	46,42,600.00	July-2015/ 3 Years
37	Dr. Seema Nara	Rapid assay for simultaneous detection of toxins of Staphylococcus aureus and clostridium Botulinum in Dairy products	SERB, New Delhi	25,61,000.00	May-2015/ 3 Years
38	Dr. Sushil Kumar	Reactive Extraction of Nicotinic- and Isonicotinic Acids from Aqueous Solution	SERB, New Delhi	11,11,000.00	Aug-2015/ 3 Years
39	Dr. V. Basu	Research Award	UGC, New Delhi	7,50,000.00	Feb-2016/ 2 Years
40	Dr. Deepak Kumar	SERB Overseas Postdoctoral Fellowship 2015-16	SERB, New Delhi	80,000.00	Sep-16 / 1 Year
41	Dr. Pitam Singh	Social Priority Based Urban Road Transport System using GIS and DEA: Performance Assessment and Designing for Major Cities of Uttar Pradesh (India)	ICSSR, New Delhi	640000	Dec-2015/ 2 Years
42	Dr. Vijaya	Special Manpower Development		15,95,000.00	Nov-2015/ 5

	Bhaduaria	Programme - Clip to System Design (S M D P -C2SD)	MCIT/Deity, New Delhi		Years
43	Dr. A. N. Sawarkar	Studies on Pyrolysis of Rice Husk	Marathi Vidnyan Parishad, Mumbai	1,00,000.00	Sep-16/ 1 Year
44	Dr. Ambak kumar Rai	Study of arachidonic acid pathway in human visceral leishmaniasis:therapeutic efficacy of -a linoleic acid as a dietary supplement with sodium antimony	SERB, New Delhi	20,50,000.00	May-2014/ 3 Years
45	Dr. Avanish Kumar Dubey	Study of Laser Trepan Drilling of Advanced Engineering Materials	AR & DB, New Delhi	32,91,000.00	Dec-2014/ 3 Years
46	Dr. Vishnu Agarwal	Study of Role of Lactone Signaling and Alginate Production on Neutrophil interaction Apoptosis and Subsequent Macrophage Mediated Phogocytosis Against Pseudomonas aeruginosa Biofilm associated infections	SERB, New Delhi	41,40,000.00	Sep-2015/ 3 Years
47	Dr. Ambak Kumar Rai	Study to establish infection of L. donovani through intradermal route in hamsters and its pathological validation	DBT, New Delhi	10,14,750.00	Mar-17 / 2 Years
48	Dr. Ambak Kumar Rai	Study to Investigate the Therapeutic Efficacy of CD5 Blocking in Treatment of T Cell lymphoblastic Leukemia	DBT, New Delhi	24,69,000.00	July-2015/ 3 Years
49	Dr. Pitam Singh	Sum of Fractional Multi-objective Programming Problems.	SERB, New Delhi	11,00,000.00	Mar-2016/ 2 Years
50	Dr. Murari Venkataramanujam	The Effect of Micro Level Progressive Matrix Plasticity on the Macro Level Response of Unidirectional Composites: Micromechanics Based Study	SERB, New Delhi	24,86,000.00	Jan-2016/ 3 Years
51	Dr. D. K. Yadav	Visvesvaraya PhD Scheme for Electronics & IT	CIT/Deity, New Delhi	2,37,34,000.00	Dec-2014/ 5 Years
52	Dr. Arun Prakash	Wireless Sensor Network (WNS) Routing for Industrial Application : Algorithm Design and Harware	CST, Lucknow	6,80,000.00	Dec-16/ 2 Years
Total				11,90,58,980.00	

EXTERNALLY FUNDED RESEARCH PROJECT COMPLETED IN FINANCIAL YEAR 2016-17

Sl. No	Principal Investigator /Co-investigator	Project Title	Funding Agency	Sanctioned Amount (₹)	Duration month and Years
1	Dr. Ram Pratap Yadav	National Post-Doctoral Fellowship	SERB, New Delhi	16,20,000.00	24/06/2016
2	Dr. Hemant Kumar Pandey	Identification of Groundwater prospect and recharge zones in Districts Banda and Mahoba of Bundelkhand region of Uttar Pradesh	DST, New Delhi	18,08,000.00	01/09/2016
3	Dr. A. N. Sawarkar,	Studies on Pyrolysis of Rice Husk	MVP Mumbai	1,00,000.00	02/09/2016
4	Dr. R. P. Tiwrai,	Moeling, Simulation and Development of Smart Active Ankle Foot Orthotic Device for Gait Rehabilitation	DST, New Delhi	1783000.00	07/09/2016
5	Dr. Manoj Kumar,	Numerical Algorithms based on Neural Network for the solution of bounday value problems	NBHM, Mumbai	13,64,600.00	19/10/2016
6	Dr. Pramod Kumar Yadav,	Hydrodynamics modelling of Complex porous membranes and their applications in engineering ssciences	SERB, New Delhi	8,08,500.00	15/11/2016
7	Dr. Basant Kumar	Design of Neural Network Based Pacemaker	DST, New Delhi	26,16,000.00	09/12/2016
8	Dr. Arun Prakash,	Wireless Sensor Network (WNS) Routing for Indistrial Application : Algorithm Design and Harware	CST, Lucknow	6,80,000.00	13/12/2016
9	Dr. Deepak Kumar	SERB Overseas Postdoctoral Fellowship 2015-16	SERB, New Delhi	7,30,340.00	20/03/2017
10	Dr. Ram Ji Dwivedi	Landslide inventory Preparation using Multi-temporal SAR Interferometry (InSAR)	DST, New Delhi	17,94,100.00	09/03/2017
11	Dr. Naresh Kumar	Development of Ferrite-Semiconductor Composites Hollow Nanospheres Based Sensors for Enhanced Bio and Gas Sensing Performances	CSIR, New Delhi	20,00,200.00	01/12/2016
12	Dr. Ambak Kr. Rai	Study to establish infection of L. donovani through intradermal route in hamsters and its pathological validation	DBT, New Delhi	10,14,750.00	15/03/2017
13	Dr. Manisha Sachan	Identification of Novel Epigenetic Biomarkers Next Generation Sequencing Technologies towards Developing a Multiplex Methylight Assay for early diagnosis of Epithelial ovarial cancer	ICMR, New Delhi	14,24,250.00	31/03/2017
Total				1,77,43,740.00	

TESTING AND CONSULTANCY

Sl. No.	Name of PI	Name of Funding Agency	Project Title	Amount (INR)
1	Dr. Shalinee Shukla	M/s T.R.G. Industries Pvt. Ltd., E-461, Greater Kailash-II, New Delhi	Testing of GSB (grading III) Material	14,885.00
2	Dr. Shalinee Shukla	M/s T.R.G. Industries Pvt. Ltd., E-461, Greater Kailash-II, New Delhi	Testing of GSB (grading III) Material	92,173.00
3	Dr. Shalinee Shukla	M/s T.R.G. Industries Pvt. Ltd., E-461, Greater Kailash-II, New Delhi	Testing of GSB (grading III) Material	24,045.00
4	Dr. Shalinee Shukla	M/s Executive Officer Nagar Palika Parishad, Belha, Pratapgarh	Betument content testing	18,320.00
5	Dr. Rakesh Kumar	Director, Citizen Housing & Development Copration Society Limited, Sahyog Bhawan, Civil Lines Allahabad	Compressive strength of concrete cube	5,725.00
6	Dr. Rakesh Kumar	The Assistant Engineer, Allahabad Centralize Sub division -II, CPWD Allahabad	Mix Design of M25 grade concrete with OPC (Jaypee)	74,425.00
7	Dr. Rakesh Kumar	M/s T.R.G. Industries Pvt. Ltd., E-461, Greater Kailash-II, New Delhi	Mix Design of Concrete	28,625.00
8	Dr. Rakesh Kumar	M/s SKC Infratech Pvt. Ltd Building No 18 lind Floor Sector-244 Gurgaon, Haryana	Mix Design	62,975.00
9	Dr. Rakesh Kumar	The Project Manager, Construction and Design Services Unit-46, U. P. Jal Nigam 35, Green House City Plaza, Baghpat	Testing of Material	43,510.00
10	Dr. Vijay Kumar	The Executive Engineer, U. P. Jal Nigam, Amethi	Checking & vetting of Geotechnical report	11,450.00
11	Dr. Abhishek Kumar	STPI Works MNNIT Campus, Allahabad	Testing of tensile Bend, Elongation Rebound test & Mass test	42,938.00
12	Dr. Rama Shankar	The Assistant Engineer, Allahabad Centralize Sub division-II, CPWD Allahabad	Mix Design	74,425.00
13	Dr. Shalinee Shukla	M/s Railtech Infraventure Pvt. Limited, 147/91-A-Old, Bairahana, Allahabad	Ballast Testing	10,305.00
14	Dr. Shalinee Shukla	M/s Railtech Infraventure Pvt. Limited, 147/91-A-Old, Bairahana, Allahabad	Ballast Testing	10,305.00
15	Prof. A.K.Sachan	M/s Abdul Zakir, 7 Laxmipura Lalitpur	Design OHT & CWRPH	20,000.00
16	Dr. Rakesh Kumar	M/s Neeraj Construction 215/1, Choukhandi, Kydganj, Allahabad	Concrete Mix Design	28,625.00
17	Dr. Kumar Venkatesh	M/s T.R.G. Industries Pvt. Ltd., E-461, Greater Kailash-II, New Delhi	GSB Material Testing	30,915.00
18	Dr. Rakesh Kumar	M/s T.R.G. Industries Pvt. Ltd., E-461, Greater Kailash-II, New Delhi	Testing of Cement and Steel	45,800.00
19	Dr. Shalinee Shukla	National Rural Roads Development Agency, 5 th floor, 15p-NBCC, Tower Bhikaji coma Palace, New Delhi 110066	Scrutiny of Project Proposal for the state of UP under PMGSY	1,16,234.00
20	Dr. Rakesh Kumar	The Project Manager, Construction and Design Services Unit-18, UP Jal Nigam D-20, TDI city colony,	Third Party Inspection	80,150.00

21	Dr. Rakesh Kumar	Moradabad M/s Sunil Hitech Engineers Ltd 5th floor, Sangam Palace, Civil Lines, Allahabad	Testing of Brick	5,725.00
22	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Soil Testing	1,00,760.00
23	Dr. Rakesh Kumar	The Project Manager, SMS Infrastructure Ltd. Kodharghat, Meja, Allahabad	Testing of Steel Bar	82,440.00
24	Dr. Kumar Venkatesh	Project Director, GIL- SIL JV, Civil Lines, Allahabad	Soil Testing	1,64,880.00
25	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers Meja, TPP, Allahabad	Soil Testing	1,00,760.00
26	Dr. Rama Shanker	M/s Kamal and Associates Pvt. Ltd. Allahabad	Soil Testing	6,870.00
27	Prof. A. K. Sachan	M/s Nitin Construction company, Allahabad	Design of staging	9,000.00
28	Prof. A. K. Sachan	M/s V. Kumar Brothers, Soraon Allahabad	Structural Design of 5 KI 3m staging	6,000.00
29	Dr. D. Basu	Mr. V.P. Singh, Dy Manager (FQA) MTPP Kodharghat, Allahabad	Testing of water sample	13,740.00
30	Dr. D. Basu	Mr. Ranjan Mishra, Sr. Manager (FQA), MUNPL, Allahabad	Testing of construction water	6,870.00
31	Dr. Varun Singh	AGM (Civil), NTPC Ltd. Unchahar	Testing of Bitumen	6,298.00
32	Dr. Rakesh Kumar	M/s Tata Projects Ltd. Allahabad	Testing of concrete cube	9,160.00
33	Dr. Rakesh Kumar	M/s Tata Projects Ltd. Allahabad	Compressive strength of Concrete cubes	9,160.00
34	Dr. Rakesh Kumar	M/s Kamal and Associates Pvt. Ltd. Allahabad	Mix Design of concrete	74,425.00
35	Dr. Rama Shanker	M/s Tata Projects Ltd. Allahabad	Cube destructive test	5,725.00
36	Prof. Ram Pal Singh	Sri R. R. Sinha, Manager Civil TITES Ltd, 63-D/I, Sona Vihar Colony dayanand marg, Allahabad	Testing of water sample	6,870.00
37	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers Meja TPP, Allahabad	Soil Testing	1,00,760.00
38	Prof. A. K. Sachan	M/s Project Manager, C&DS, Unit-33, Allahabad	Design of 250 KI OHT	13,740.00
39	Dr. Rakesh Kumar	Project Manager, U P Rajkiya Nirman Nigam Ltd. Safai Unit, Etawah	Third Party Inspection of quality control	1,14,500.00
40	Prof. A. K. Sachan	M/s Rajeev Gupta, Bharuwa Sumerpur, Hamirpur	Structural Design of OHT	16,000.00
41	Prof. A. K. Sachan	M/s R.S. Construction, Deoriia, Azamgarh	Structural Design of Staging	14,000.00
42	Prof. A. K. Sachan	M/s R. Construction & Engineers, Lucknow	Structural Design of Staging	20,000.00
43	Prof. A. K. Sachan	M/s Chhote Lal Yadav, Lakhapur Housing Society, Vikas Nagar, Kanpur	Design of 450 KI OHT	16,000.00
44	Dr. Shaline Shukla	M/s Railtech Infraventure Pvt. Limited 147/91-A Old Bairahana, Allahabad	Ballast Testing	10,305.00
45	Dr. Shaline Shukla	Sr. Section Engineer (W), N. C. Railway, Chunar	Bitument Testing	6,298.00
46	Dr. Rakesh Kumar	The Executive Engineer, Allahabad Development Authority, Allahabad	Testing of Steel	45,800.00

47	Dr. Shalinee Shukla	M/s Railtech Infraventure Pvt. Limited 147/91-A Old Bairahana, Allahabad	Ballast Testing	10,305.00
48	Prof. A. K. Sachan	Singh Builders Datt Plaza Jabalpur	Vetting of structural Design of 200 KI Staging Tank	50,000.00
49	Prof. Ram Pal Singh	Sr. Akash Verma Assistant Manager, Tites Ltd, D-14, Srijan Vihar Colony Meja Urja Nigam Pvt Ltd Kohdar Allahabad	Testing of water sample	6,870.00
50	Dr. Rakesh Kumar	Project Manager, UP Rajkiya Nirman Nigam Ltd., Milk Technology, Campus, Etawah	Third Party Inspection of quality control	1,60,300.00
51	Dr. Rakesh Kumar	The Asst. Manager, RITES Kunuted Dayanand Marg, Civil Lines, Aild.	Cube Test	5,725.00
52	Dr. Rama Shanker	The Asst. Manager, RITES Kunuted Dayanand Marg, Civil Lines, Aild.	Cement Test	9,160.00
53	Dr. Rama Shanker	The Asst. Manager, RITES Kunuted Dayanand Marg, Civil Lines, Aild.	Steel Bar Test	18,320.00
54	Dr. Rama Shanker	The Asst. Manager, RITES Kunuted Dayanand Marg, Civil Lines, Aild.	Cement Test	9,160.00
55	Dr. N. R. Rawal	M/s Bridge & Roof Co. (India) Ltd., Meja Thermal Power Plant Kohdar, Allahabad	Testing Water Sample	6,870.00
56	Dr. N. R. Rawal	M/s TRG Industries Pvt. Ltd, E-461, Greater Kailash-II, New Delhi	Testing of Water Sample	6,870.00
57	Dr. Rakesh Kumar	Vijay Construction, Lucknow	Testing of steel	55,200.00
58	Dr. Rakesh Kumar	The Project Manager, UPSC & ID Corporation Ltd. A-50 Avash Vikash Colony, Teliarganj, Allahabad	Cement Sand Ratio of Masonry Mortar	23,000.00
59	Prof. Ram Pal Singh	Shri Ranjan Mishra, Sr. Manager (FQA) Meja Thermal Power Plant, Kohdar, Allahabad	Testing of Construction Water	6,900.00
60	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Soil Testing	50,380.00
61	Prof. R. P. Singh	Sri S. Sarma, Manager (C) HSCC (India) Ltd. E-6(A), Sector-1, Noida	Testing of water for construction	6,900.00
62	Dr. Rama Shankar	M/s Vinayak Kripa Real Force (P) Ltd., 265/316, Old Katra, Allahabad	Cube Test	5,750.00
63	Dr. Rama Shankar	M/s Maa Lalita Entertainment & Developers Pvt Limited, Allahabad	Cube Test	5,750.00
64	Prof. Ram Pal Singh	Sri Sunil Upadhyay, DGM (Construction), Rudra Navnirman Pvt. Ltd. Civil Lines, Allahabad	Water Testing of STP Treated Water at Project	5,750.00
65	Dr. Shalinee Shukla	M/s Railtech Infraventure Pvt. Ltd. 147/91-A, Old Bairahna, Allahabad	Ballast Testing	10,350.00
66	Dr. Shalinee Shukla	M/s Railtech Infraventure Pvt. Ltd. 147/91-A, Old Bairahna, Allahabad	Ballast Testing	10,350.00
67	Dr. Rama Shankar	The Asst. Manager/C, RITES Ltd. Meja Urja Nigam Pvt. Ltd., Kohdar, Allahabad	Steel Bar Test	27,600.00
68	Dr. Rama Shankar	The Asst. Manager/C, RITES Ltd. Meja Urja Nigam Pvt. Ltd., Kohdar, Allahabad	Steel Bar Test	18,400.00
69	Dr. Rama Shankar	The Project Manager, UP Project	Brick & Mortar Test	29,325.00

		Corporation Ltd. Allahabad		
70	Dr. Rama Shankar	The Executive Engineer Construction Division U.P. Jal Nigam Kushi Nagar	Mix design M-30 with admixture	40,250.00
71	Dr. Rama Shankar	M/s Maa Lalita Entertainment & Developers Pvt Limited, Allahabad	Cube Test	5,750.00
72	Dr. Vivek Kumar Patel	Senior Section Engineer (Work) Station North Central Railway, Allahabad	C.I. Pipe Class B IS-1536 make IR	13,455.00
73	Dr. Rama Shankar	The Executive Engineer/Bridge-I NCR 235, G Block (Mandakini) Subedarganj, Allahabad	Mix design	1,26,500.00
74	Dr. Kumar Venkatesh	Assistant Manager/C, RITES Ltd. Allahabad	Soil Testing & Analysis	17,250.00
75	Dr. Rakesh Kumar	Er. V. K. Sharma, Dy. GM (Engg.), NBBB Limited, Allahabad	Testing of Concrete Cube	5,750.00
76	Dr. Rama Shankar	Manager (Civil)/RITES Ltd., Project Office Allahabad, Dayanand Marg Civil Lines, Allahabad	Steel Bar Test & Aggregate Test	1,47,200.00
77	Dr. Rama Shankar	The Manager (S/S), Power Grid Corporation of India Ltd. NR-I, Alld.	Cube Destructive Test	9,200.00
78	Dr. Rama Shankar	The Manager (S/S), Power Grid Corporation of India Ltd. NR-I, Alld.	Cube Test (Destructive)	9,200.00
79	Dr. Rama Shankar	Manager (Civil)/RITES Ltd., Project Office Allahabad, Dayanand Marg Civil Lines, Allahabad	Cement Test	9,200.00
80	Dr. Rakesh Kumar	M/s Alstom T&D India Ltd, Noida	Testing of Cement	9,200.00
81	Dr. Rakesh Kumar	The Project Manager, SMS, Infrastructure Ltd, Kodharghat, Meja, Allahabad	Testing of steel	1,01,200.00
82	Dr. L. K. Mishra	M/s HSc (India) Ltd. C/o Swaroop Rani Nehru Hospital Allahabad	Mix Design (M-25) with admixture	34,500.00
83	Dr. Rakesh Kumar	Project Manager, U.P.P.C.L., 230/1A, Mehdauri, Allahabad	Testing of material	17,825.00
84	Dr. P. R. Pal	The Regional Manager, UP State Construction & Infrastructure Development Corporation Ltd., Alld.	Brick Test & Mortar Test	27,025.00
85	Prof. R. P. Tiwari	The Executive Engineer, UPPWD NH Division Mirzapur	Third Party Inspection of Road Works	1,16,826.00
86	Dr. V. P. Singh	Project Director, GIL-SILJV, Civil Lines, Allahabad	Soil Testing	9,200.00
87	Dr. Vijay Kumar	The Engineer, NIEL, Sona Vihar Colony, Dayanand Marg, Allahabad	Checking & Vetting of Geotechnical Report	5,750.00
88	Dr. Rakesh Kumar	The Project Manager, C&DS Unit-33, U.P. Jal Nigam, Allahabad	Testing of material	20,125.00
89	Dr. Rakesh Kumar	Mr. Yogest Wadha, GIL-SIL JV, Allahabad	Testing of Steel	46,000.00
90	Dr. Rama Shankar	Executive Engineer, CD-3, U.P. Jal Nigam, Chandan Nagar, Gajipur	Cement, Aggregate and Steel Test	69,000.00
91	Dr. Rama Shankar	M/s Aidha, Bricks Company, Heeraganj, Kunda, Pratapgarh	Brick Test	6,325.00
92	Dr. Rakesh Kumar	M/s Fedders Lloyds, Corporation Limited, Allahabad	Testing of cubes	25,300.00
93	Dr. Rama Shankar	The Executive Engineer, Construction Division-I, U.P. Jal Nigam Deoria	Mix design	40,250.00

94	Dr. Rama Shankar	M/s Viddut Kumar Jain, Kundan Bhawan, Indira Nagar Lucknow	Mix Design	40,250.00
95	Dr. Vijay Kumar	The Engineer, NIEL, Sona Vihar Colony, Dayanand Marg, Allahabad	Checking & Vetting of Geotechnical Report	5,750.00
96	Dr. Rama Shankar	The Executive Engineer, Flood Works Division. Allahabad	Mix Design and Cube Test	57,500.00
97	Dr. Rama Shankar	Project Manager/C, Type IV/135, UP, RV UNL Colony Anpora, Sonbhadra	Cement Testing	9,200.00
98	Prof. A. K. Sachan	Viddut Kumar, Kundan Bhawan, Sector- 23, Indira Nagar, Lucknow	Design of 200/800 KL OHT	32,200.00
99	Dr. Kumar Venkatesh	Manager (Civil) RITES Ltd. Project Office, Dayanad Marg, Allahabad	Soil Testing	27,600.00
100	Dr. Rakesh Kumar	M/s Kesharwani Brick field Maheshpur, Ganpa, Kaushambi	Testing of Bricks	6,325.00
101	Dr. Rakesh Kumar	The Project Manager, C&DS Unit-1, HIG-11 U.P. Jal Nigam, Indira Nagar, Lucknow	Design of foundation	2,99,000.00
102	Dr. Rakesh Kumar	Project Manager, UPRNN Ltd. Unit-1, Milk Technology Campus, Mtighil, Etawah	Third Party Inspection	1,61,000.00
103	Dr. Rakesh Kumar	Project Manager, UPRNN Ltd. Safai Unit, Etawah	Third Party Inspection	1,15,000.00
104	Dr. Rakesh Kumar	Project Manager, UPRNN Ltd. Safai Unit, Etawah	Testing of cubes	5,750.00
105	Dr. Rakesh Kumar	Project Manager, UPRNN Ltd. Unit-1, Milk Technology Campus, Etawah	Testing of cubes	5,750.00
106	Dr. Kumar Venkatesh	Executive Engineer, Construction Division-4, PWD, Allahabad	Soil Testing	8,050.00
107	Prof. R. P. Singh	Office of the Project Manager, Construction Unit, UP Jal Nigam, Chitrakoot	Testing of Sewer Water	16,100.00
108	Prof. R. P. Singh	Sri P. Bangar Raju, EF, Garrison Engineer, Bamrauli, Allahabad	Chemical Analysis of Sewerage Filter Waste Water	9,200.00
109	Dr. Nand Kumar,	Brijesh Kumar (Director), Divya Harvest Seeds India Pvt. Ltd., Teliarganj, Allahabad	Testing and evaluation of Seeds Samples	12,075.00
110	Dr. Rakesh Kumar	The Project Manager, UPPCL, 230/1A, Mehdauri Allahabad	Cement and Steel Testing	48,300.00
111	Dr. Rakesh Kumar	M/s Techpro Systems Ltd., Meja Urja Nigam, Kohdar Allahabad	Efflorescence test	5,750.00
112	Dr. Rakesh Kumar	Sr. Manager (FQA)m Meja Thermal Power Plant kohdar, Allahabad	Testing of Brick	5,750.00
113	Dr. Rakesh Kumar	The Project Manager, Construction and design service, Unit-29, U. P. Jal Nigam, Aditya Plaza, Sector- 12, Indira Nagar, Lucknow	Third party inspection of building	34,500.00
114	Dr. Kumar Venkatesh	Executive Director, Mangalore Minerals (P) Ltd. Allahabad	Bearing Capacity Estimation	51,750.00
115	Prof. R. P. Singh	Mr. Ranjan Mishra, Sr. Manager (FQA), Meja Thermal Power Plant Kohdar, Allahabad	Testing of Construction Water	6,900.00
116	Dr. Rakesh Kumar	M/s M.G. Contractors Pvt. Ltd., Kodarghat, Allahabad	Mix Design	97,750.00

117	Dr. Rakesh Kumar	M/s M. G. Contractors Pvt. Ltd., Kodarghat, Allahabad	Testing of Steal	92,000.00
118	Prof. A. K. Sachan	M/s D. D. Ahuja & Bros Lajpat Nagar, Allahabad	Design of 200 KI and 30 KI OHT	11,500.00
119	Prof. A. K. Sachan	M/s O. P. Gupta Contractors Pvt Limited, Nirbhay Nagar, Agra	Vetting of 2400 KL OHT	25,000.00
120	Prof. A. K. Sachan	M/s Dinesh Kumar Agarwal UP Jal Nigam, Jhansi	Design of 150 KI OHT	25,000.00
121	Dr. Rakesh Kumar	The Project Manager, C&DS Unit -29, U. P. Jal Niagam, Aditya Plaza, Sector 12, Indira Nagar, Lucknow	Testing of materials	17,825.00
122	Dr. Rakesh Kumar	The Project Manager, C&DS Unit -33, U P Jal Niagam, Allahabad	Testing of materials	24,725.00
123	Dr. Rakesh Kumar	The Project Manager, C&DS Unit -33, UP Jal Niagam, Allahabad	Testing of materials	24,725.00
124	Dr. N. R. Rawal	Sri R. R. Sinha, Manager/ Civil Project Officer of the CPM 63-D/1, Sona Vihar Colony Civil Lines, Allahabad	Testing of Inhibitor Solution	5,750.00
125	Dr. L. K. Mishra	Mr. P. Ramesh Kumar, Lt. Col DCWE for CWE (AF), Bamrauli	Design Consultancy	88,550.00
126	Dr. Goutam Ghosh	Headquarters, Commander Works Engineer. Allahabad	Structural Design of ECHS Polytechnic Type 'D' at Fatehpur	1,05,800.00
127	Dr. Goutam Ghosh	Headquarters, Commander Works Engineer. Allahabad	Structural Design of OTMACCN at Varanasi	88,550.00
128	Dr. Shalinee Shukla	Assistant Divisional Engineer, N.R. Pratapgarh	Ballast Testing	8,050.00
129	Dr. Rakesh Kumar	Project Manager, UPPCL, Unit-15, Ho.No.-22/67, (ward no. 22) DM Colony, Civil Lines, Banda	Illrd Party Inspection	80,500.00
130	Dr. Rakesh Kumar	Project Manager, UP. Rajkiya Nirman Nigam Ltd., Pili Kothi, Ashok Nagar, Kasganj	Third party inspection of building	97,750.00
131	Dr. Ajaya Bharti	Mr. R.D. Chauhan, Works Manager, Irrigation Workshop Division Naini, Allahabad	Hardness Test	5,750.00
132	Prof. A. K. Sachan	Mr. D.R. Sons, Engineers & Contractors, 117/H-2/173, Pandu Nagar, Kanpur	Design of 200 KL OHT	12,500.00
133	Prof. A. K. Sachan	M/s Agarwal Construction, U.P. Jal Nigam, Chandpur, Bijnor (UP)	Vetting of 2300 KL and 1700 KL OHT	40,000.00
134	Dr. L. K. Mishra	M/s Naram Enterprises Pvt Ltd, Village Bhagesara Near Chevapool, Prithviganj, Raniganj, Pratapgarh	Mix Design of M-40 Grade Concrete	46,000.00
135	Dr. Rakesh Kumar	M/s Vasu Engitech Solution, Pvt Ltd. 4/69-A, Vineet Khand Gomti Nagar, Lucknow	Site Visit & Report Preparation	23,000.00
136	Pror. Ram Pal Singh	Mr. Anil Bhadauria, Asst. Engineer IIIT, Allahabad	Testing of Borewell water of IIIT campus for portability	13,225.00
137	Prof. Ram Pal Singh	Er. Ratan Sen Singh, Project Manager, Office of the Project Manager construction Unit, UP Jal Nigam, Gorakhpur	Conducting & Testing of Lake Water Quality Monitoring for Ramgarh Lake at Gorakhpur	26,68,000.00

138	Dr. Vivek Kumar Patel	Er. S.K. Verma, Executive Engineer, Office of the Executive Engineer, 6th Construction Division UP Jal Nigam, Allahabad	Pipe Testing	19,320.00
139	Dr. Ramesh Pandey	Assistant Engineer, Allahabad Central Sub Division-II, CPWD, Allahabad	Tensile, Bend, Rebend Test	46,000.00
140	Dr. Ajaya Bharti	Assistant Engineer, Allahabad Central Sub Division-II, CPWD, Allahabad	Tensile, Bend, Rebend Test	9,200.00
141	Dr. Abhishek Kumar	North Central Railway, Allahabad	Hardness Test (HRC)	2,875.00
142	Dr. Rakesh Kumar	Assistant Engineer, Allahabad Central Sub Division-II, CPWD, Allahabad	Testing of Steal	18,400.00
143	Dr. Rakesh Kumar	Unit Incharge, UPRNN Ltd. Safai Unit, Behind the running stadium, Etawah	N.D.T. Test	4,99,100.00
144	Dr. Rakesh Kumar	Project Manager, UPPCL Construction Unit-1, 50 Seth Shukhoomal Road Sitapur	Thir Party Inspection	2,76,000.00
145	Dr. Rakesh Kumar	Assistant Engineer, Allahabad Central Sub Division-II, CPWD, Allid	Testing of Steal Test	36,800.00
146	Dr. Rakesh Kumar	Dy. Manager (Civil), H.S.C.C. India Limited, Allahabad	Testing of Steal	55,200.00
147	Dr. Rakesh Kumar	Executive Engineer, U. P. Jal Nigam Construction Division-6, Allahabad	Testing of Material	17,825.00
148	Dr. Rakesh Kumar	M/s Sai Consulting Engineers Pvt Ltd. India TYPASA SPAIN, Subedarganj, Allahabad	Testing of Material	75,325.00
149	Dr. Rama Shankar	The Asst Engineer, Allahabad Kendriya UP Mandal-II, CPWD, Allid.	Steal Test	9,200.00
150	Dr. Rama Shankar	District Development Officer Pratapgarh	Ratio Determination of Mortar, Brick & Sand Test	20,125.00
151	Dr. Rama Shankar	The Sr. Engineer, QA/QC ISOLUX corsan India Engg. & construction Pvt. Ltd. Gurgaon Haryana	Cube Test	5,750.00
152	Dr. Rama Shankar	M/s Tata Projects Limited, RCM Package 2B, ISOLUX Project, Allahabad	Concrete Cube Test	6,900.00
153	Dr. Rama Shankar	M/s Mangalore Minerals (Pvt.) Limited, Hampankatta Mangalore	Mix Design	1,09,250.00
154	Dr. Rama Shankar	Project Manager, UPPCL, Unit-8 Ho. No. 8/378, Indira Nagar Lucknow	Thir Party Inspection	80,500.00
155	Dr. Rakesh Kumar	The Project Manager, UPRNN, Safai Unit-2 Etawah	Testing of Material	1,44,900.00
156	Dr. Rakesh Kumar	M/s Lal Construction company AA-105, Shalimar Bagh, New Delhi	Miex Design of Concrete	92,000.00
157	Prof. R. P. Tiwari	The Project Manager, C&DS, Unit-33, U.P. Jal Nigam 263, New Mumfordang, Allahabad	Structural Stability Test of CHC building at Mangapur, Pratapgarh	1,72,500.00
158	Dr. Rakesh Kumar	M/s Vasu Engitech Solution, Pvt Ltd. 4/69-A, Vineet Khand Gomti Nagar, Lucknow	Thir Party Inspection	11,500.00
159	Dr. Rama Shankar	The Asst. Vigilance Officer, Core, Allid.	Ratio determination of Harden concrete	13,800.00
160	Dr. Rakesh Kumar	The Executive Engineer, Construction Division, U. P. Jal Nigam, Amethi	Testing of Material	1,74,800.00

161	Dr. R. M. Singh	Superintendent Engineer, Ban Sagar Nahar Nirman Mandal-2, Mirzapur	Third Party Inspection on concurrent Evaluation of the Project	7,75,000.00
162	Dr. Ramesh Pandey	Mr. Ranjan Mishra (Sr. Manager FQA) Meja thermal Power Plant, Kohdar, Allahabad	Tensile and Bend Test	51,750.00
163	Dr. Rakesh Kumar	Project Manager, UPPCL, Unit-8 Ho.No. 8/378, Indira Nagar, Lucknow	Third Party Inspection	1,72,500.00
164	Dr. Rakesh Kumar	M/s Alstom T&D India Limited Noida (U.P.)	Concrete, Cube & Cement Test	18,400.00
165	Dr. Rakesh Kumar	The Director, H.K. Infrastructure Ltd. 59/39, L.G. B-7. M.G. Marg, Civil Lines, Allahabad	Testing of concrete cube	6,900.00
166	Dr. Rakesh Kumar	M/s Alstom T&D India Limited Noida (U.P.)	Testing of Cement & Aggregate	50,600.00
167	Dr. Rakesh Kumar	M/s Alstom T&D India Limited Noida (U.P.)	Testing of concrete cube	5,750.00
168	Dr. Shalinee Shukla	The Industries Pvt. Limited, Noida (U.P.)	Testing of granular sub base (Grade-III) material	14,950.00
169	Dr. Kumar Venkatesh	Project Manager, Unit-15, C&D Services, U.P. Jal Nigam, Aliganj, Banda	Soil Testing	44,850.00
170	Dr. Rakesh Kumar	The Project Manager UPPCL construction Unit-1,50, Seth Sukkhumal Road Sitapur	Material Testing	40,825.00
171	Dr. Rakesh Kumar	M/S SCCIL/ HMM, (Jv) Ambala (Haryana)	Mix Design of concrete	92,000.00
172	Dr. Rakesh Kumar	Project Manager U P Rajkiya Nirman Ltd, Pili Kothi, Ashok Nagar, Near District Hospital Kasganj	Material Testing	17,825.00
173	Dr. Kumar Venkatesh	Project Manager Bhadohi Unit UPRNN Ltd. Bhadohi	Geotechnical Investigation	3,17,975.00
174	Dr. Abhishek Kumar	Sri D. N. Chaturvedi MHDS-IFCO Site (IFFco Projectk Site) Mit subishi Hitacchi Power System India private Ltd, phulpur, Allahabad	Surface Characterization	11,500.00
175	Dr. Rakesh Kumar	The Unit In-charge UPRNN Ltd, Pili Kothi, Ashok Nagar, Kasganj	Ill Party Inspection	97,750.00
176	Dr. N. R. Rawal	Asst. Engineer, Allahabad Control Sub Division-II CPWD, Allahabad	Testing of water Sample	6,900.00
177	Dr. V. P. Singh	Manager (Civil) RITES Allahabad	Soil Testing	6,900.00
178	Prof. Ram Pal Singh	Sri Akash Verma, Assistant Manager RITES Limited,D-14, Meja Urja Nigam Pvd Ltd Kodher Allahabad	Testing of water Sample for RCC work for Construction of two Road	9,028.00
179	Prof. R. P. Tiwari	The Project Manager UPRNN, Kaushambi Unit LBS Homeopathic Medical & Hospital Campus, Phaphamau Allahabad.	Technical Evaluation & qudity chick of Hospital building	2,19,116.00
180	Dr. Rakesh Kumar	Asst Engineer Allahabad conhal Sub Division CPWD, Allahabad	Testing of steel	9,200.00
181	Dr. D. Basu	Dy. Manager (FQA) MTPP Kodharghat, Allahabad	Testing of water sample for cw System	6,900.00

182	Dr. Rakesh Kumar	Project Manager, U. Prajkiya Nirman Nigam Ltd. Unnit-1, Miln Technology compus, Motighil, Etawah.	Ill Porty Inspection	1,61,000.00
183	Dr. L. K. Mishra	Project Head ISoLux Corsan India Engineering & Construch in Pvt Ltd. Ashok Nagar, Allahabad	Testing of concrete cube	5,750.00
184	Dr. L. K. Mishra	Projcet Head, Isolux Corsan India Engineering & Construction Pvt Ltd. Ashok Nagar Allahabad.	Testing of concrete cuss	6,900.00
185	Dr. L. K. Mishra	Asst, Manager/ C RITES LIMITED Sona Vihar Colony, Dayanand marg Allahabad	Mix Design of M25 grade concrete with Admixture and Cement PPC	34,500.00
186	Dr. L. K. Mishra	Executive Engineer, Allahabad, Development Authority, Allahabad.	Testing Materials	36,800.00
187	Dr. L. K. Mishra	Project Manager Uttar Pradesh Rajkiya Nirmam Ltd Vibhuti-khand, Lucknow. U.P.	Mix Design of M24 and M30 Grade concrete with admixture.	1,38,000.00
188	Dr.L.K. Mishra	Asst, Manager/C RITES LIMITED 63-D/1, Sona vihar colony, Dayanand marg Allahabad	Mix Disihn of M25 Grade concrete with Admixture and Cement opc	34,500.00
189	Dr. L. K. Mishra	Project Head, Isolux Corsan India Engineering & Construction Pvt Ltd. House No. 241/17c, Hasting Road Ashok Nagar Allahabad.	Testing of Aggregates.	43,700.00
190	Dr. Kumar Venkatesh	Executive Engineer, CD-1, PWD, Allahabad.	Geotechnical Invesgation	7,70,500.00
191	Dr. Rakesh Kumar	Senior Section Engineer (work) NCR, Chanar	Testing of Bricks	5,750.00
192	Dr. L. K. Mishra	M/S SHEL C/O The Dy Manager (FQA) Meja Urjja Pvt. Ltd., Alld.	Testing of Bricks	5,750.00
193	Dr. Basu	Mr. V.P. Singh Dy Manager (FQA) MTPP Ko Dharghat, Allahabad	Testing of water sample	6,900.00
194	Dr. L. K. Mishra	Project Head ISOLUX CORSAN India Engg.& Construction Pvt. Ltd. House No 241/17c, Hasting Road Asok Nagr, Allahabad	Testing of concrete cube	6,900.00
195	Dr. L. K Mishra	Dy. General Manager (civil) Limited RITES, Allahabad	Mix design	1,78,250.00
196	Dr. V. P. Singh	Manager (civil) RITES. Allahabad	Soil Testing	13,800.00
197	Prof. R. P. Tiwari	The Executive Engineer, ABHAV Khand, U.P. Jal Nigam, Mirzapur	Building Check of OHT	92,000.00
198	Dr. A. K Singh	Executive Engineer Provisional Division P.W.D Hamirpur	Hamirpur By Pass	1,15,000.00
199	Dr. Rakesh Kumar	The Project Manager, U.P.P.C.L. Unit-15 H No 22/1671(Ward No.22), D.M Colony civil Lines Banda Your Reference : 64/P.C.L./P.M/C-4-5/ Hostel dated 06.052016	Third Party inspection	2,41,500.00
200	Dr. Rakesh Kumar	The Project Manager Construction and Design Services, unit-15, Uttar Pradesh Jal Nigam, over PCE, Aliganj Banda (UP).	Suggestions for shart comings in Animal. Husbandry Degree College university Banda.	57,500.00

201	Dr. P. R. Pal	M/S M. K. Singh & Associates. 90 C New Loshkar Line, G.T Road Bairahana Allahabad.	Proof Checking of Structures Proposed at Nabi Nagar stpp, Aurangabad, Bihar	63,250.00
202	Dr. A. K. Sachan	M/S S. K. Dwivedi Karvi	Design of 500 KL OHT and 300 Kl ewrph	26,000.00
203	Dr. A.K. Sachan	M/S MEIL Varanasi	Design of 280 KI CWR 150 KI CWR	14,000.00
204	Dr. A. K. Sachan	M/S K D Construction Allahabad.	Design of 50 OHT on 20 m Staging	11,500.00
205	Dr. L. K Mishra	C/o M/S universal contractors & engineers Pvt. Ltd. Resident Construction 113/154 Swaroop Nagar Kanpur.	Mix Design of M 25 Grade concrete with admixture	74,750.00
206	Dr. Rakesh Kumar	The Unit Incharge, U.P. Rajkiya Nirman Nigam Ltd Sodic unit-2 campus of Agriculture engineering college, Etawah yours Reference: 705/so-u/ Qua. Co/RNN/2016 date 14.07.2017.	Malarial Testing	63,250.00
207	Dr. Rakesh Kumar	The unit In-charge, up Rajkiya Nirman Nigam Ltd sodic unit-2 campus. Of Agricvlture Engg college Etawah	Ill Party Inspection	80,500.00
208	Dr. Ajaya Bharti	M/s S. S Nagui 171/72 Oariyabad Allahabad.	Tensile Test Mass of zinc coating.	12,650.00
209	Dr. Rakesh Kumar	Project Manager, Up Rajkiya Nirman Nigam Ltd. Behind the running stadium Etawah.	Inspection and Quality check (study of the material testing reports etc) of a building of saifal unit.	80,500.00
210	Dr. Rakesh Kumar	M/s Vasu Engitech Solution's Pvt. Ltd 4/69-A Vineet Khand Gomti Nagar Luknow-226010.	site visit, study of lob Reports and Report preparation	34,500.00
211	Dr. Rakesh Kumar	The Project Manager, U.P. R.N.N Saifal Uniti Saifai (Etawath).	Testing of Materials	4,87,025.00
212	Dr. Anindya Bhar	Bhaktiuedanta Gurukul. and International School Vrindavan, Mathura, Uttar Pradesh.	12 MM (Sail Tmt Rod) Tensile, Bend and Rebred Test.	18,400.00
213	Dr. A. K. Sachan	M/s Santosh Kumar soni, Sagar	Design of 300 KI 15 m OHT	14,000.00
214	Dr. A. K. Sachan	M/s Sandan Construction, Lalitpur	Design of 30 KI 12, 30KI 14 M, 15 KI gm and Iso KI cwrph	39,000.00
215	Prof. Ram Pal Singh (PI)	Er. J. P. Mani Project Manager Office of the General Manager, UP Jal Nigam , Allahabad, UP	Sie Visit CHARGES	3,56,500.00
216	Prof. Ram Pal Singh (PI)	General manager office of the General manager ganga Pollution Control unit U.P Jal Nigam, Allahabad	Charges for ww sample Coactions.	3,56,500.00
217	Dr. Rakesh Kumar	Executive Engineer, U.P.S.C.& 1.D.C.Ltd 35A/2 Kunwar Bhuvan Chandra Marg Bareilly-(UP)	Third Party Inspection for Quality Health Center Saidpur (Badaun)	92,000.00
218	Dr. L.K. Mishra	Sr. Manager (Civil),NTPC Unchahar Raebareli	Testing of Coarse sand specific Gravity (AGTIU) water Absorption (AGT.OS) & Density soundness (AGTII)	37,088.00

219	Dr. V. Murari	SKC Infratech put ltd Building No 18 Ind four scctor-uu Gurgoon. 122002 (Haryana)	8 mm Tensile Bend and rebend test	55,200.00
220	Dr. Kumar Venkatesh	Sr. Manager (Engg. Gvil AAI,CATC Allahabad	Geotechnical Investigation	1,32,250.00
221	Dr. Rama Shankar	M/s Indian oil corporation Lit. Allahabad Terminal Allahabad ENGG/ALD/248557286/GSB	GSB sliw Test	11,500.00
222	Dr. Rama Shankar	M/s Indian oil corporation Lit. Allahabad Terminal Allahabad ENGG/ALD/248557286/GSB/02	GSB Maximum Dry Density	5,750.00
223	Dr. Rama Shankar	Indian oil corporation Ltd Allahabad Terminal Allahabad. ENGG/ALD/24857286/WBM/01	Material Test WBM	9,200.00
224	Dr. Rama Shankar	The Unit In-charge, Uttar Pradesh Rajkiya Nirman Nigam Ltd. Saifai Unit, Unit-2 Etauh.	WMM, WBM. DBM and Bc Design Milk	89,700.00
225	Dr. Rama Shankar	The Unit In-charge, (UDMP-SAIFAI) Uttar Pradesh Rajkiya Nirman Nigam Ltd. Saifai Unit, Unit-2	GSB, BM an M-20 Design Milk and steel Test.	1,21,900.00
226	Dr. Rama Shankar	M/s Indian oil corporation Ltd. Allahabad. Terminal Allahabad, ENGG/ALDI248572861 WBM/02	Material Test WBM	5,750.00
227	Dr. Rama Shankar	The Unit Incharge UP Rajkiya Nirman Ltd Ltd Saifai unit-2 Safai.	SDBC Design	27,600.00
228	Dr. L. K. Mishra	M/s SKS Infratech Pvt. Ltd. Client of UPNN 30 Court Room High Court Allahabad.	Testing of Cubes M25 Grade compressive strength for 28 days	5,750.00
229	Prof P. K. Mehta	Project Manager U.PP.CL- Unit-26 Gurudwara road. Saharanpur.	Third party inspection	2,38,625.00
230	Dr. Rakesh Kumar	M/s vasu Engitech Solutions Pvt. Ltd.,4/69-A vineet Khand Gomti Nagar, Lucknow 226010	Site visit, study of 196 reports and Reports and Report Preparation. (Abhinav School)	34,500.00
231	Dr. Rakesh Kumar	The unit Incharge. UPNN Raibareilly unit Lucknow.	Testing of Material	17,825.00
232	Dr. Rakesh Kumar	M/s vasu Engitech solutions Pvt.Ltd.4/69-A Vineet Khand, Gomti Nagar, Lucknow.-226010	Site visit, study of 196 reports and Reports and Report Preparation.	23,000.00
233	Dr. Rakesh Kumar	The unit Incharge Up Rajkiya Nirman Nigam Ltd pili Kothi Ashok Nagar Near District Hospital Kasganj 207123.	Third Party Inspection	97,750.00
234	Prof Ram Pal Singh	Sri R.R Sinha managar (Civile)/RITES Ltd Project office Allahabad 211001	Test of water for the work of Earth Work in formation Consnration of Bridger	6,870.00
235	Dr. D. Basu	Manager (civil)/RITES Ltd Project office Allahabad 63-D/1, sona vihar colony Dayanand Mang Allahabad 211001	Test of water for the work of Earth Work in formation Consnration of Bridger	7,762.50
236	Dr. D. Basu	Project Director GMR Infrastructure Limited Bangalore-560029	Testing of water for construction purpose	23,287.50

237	Dr. L. K. Mishra	(i)Manager (civil) RITES Limited, Sangam palace/(ii)M/s SMS Limited 20, IT Park Parsodi, Nagpur-440022	Compressive strength of cubes	5,750.00
238	Dr. L. K. Mishra	M/s SMS Ltd IT Park parsodi, Nagpur. 440022 63- D/1, Sona vihar colony Dayanand Marg civil Lines, Allahabad-211001	Testing of cement,	9,200.00
239	Dr. D. Basu	Assistant Manager/c, RITES Ltd D-14, Srijan vihar colony Meja urja Nigam Pvt Ltd Kohdar, Allahabad (UP) 212301	Testing of water quality for construction works	9,028.00
240	Dr. D. Basu	Assistant Manager/c, RITES Ltd D-14, Srijan vihar colony Meja urja Nigam Pvt Ltd Kohdar, Allahabad (UP) 212301	Testing of water quality far construction works	9,028.00
241	Dr. L. K. Mishra	Mr. Anil Kumar Saxena project Incharge Allahabad Development Authority Allahabad	Testing of Cubes for compressive strength	5,750.00
242	Dr. A. K. Sachan	M/s Rajeev Gupta Bharusumerpur	Design of 75 KL and 25 KL OHT	15,000.00
243	Dr. A. K. Sachan	M/s M. K. Singh Allahabad	vetting of type II and type III house	18,000.00
244	Dr. A. K. Sachan	M/s Chandel contractor works Banda	Design of 400 KI OHT and estimate	17,000.00
245	Dr. A. K. Sachan	M/s Ajay Kumar Singh Gazipur	Design of 350 KI OHT and estimate	15,000.00
246	Dr. D. Basu	DG.M/s RITES Ltd, Sangam palace Meja urja Nigam Pvt Ltd 5 th floor, civil Lines Allahabad (Up)- 211001	Testing of water quality for construction works	9,028.00
247	Dr. L. K. Mishra	The unit Incharge Uttar Pradesh Rajkiya Nirman Nigam Ltd saifai unit-2 Etawah (UP)	Testing of Mix Design	1,09,250.00
248	Dr. V. P. Singh	Executive engineer Ban sagar Nahar Nirman Khand-6 Mirzapur.	Soil Testing (Subsoil Exploration)	2,33,450.00
249	Dr. Kumar Venkatesh	Manager (civil)/RITES Ltd Project office Allahabad 63-D/1, sona vihar colony Dayanand Mang Aild.-211001	Soil Testing	6,900.00
250	Dr. A. K. Sachan	To M/s Gokul Enterprises Lucknow	Design of 400 KL OHT	13,000.00
251	Prof. Ram Pal Singh	Er. Dharmendra Singh Manager (FQA-Civil) NTPC Tanda Ambedkar Nagar. U.P. NTPC/Tanda/FQAI16-17	Evaluation of Construction Water	9,028.00
252	Dr. A. K. Sachan	M/s S. K. Dwivedi, Karwi	Design of 200 KL OHT and 100 KI CWRPH	20,000.00
253	Dr. A. K. Sachan	M/s O. P. Gupta contractors Pvt Ltd Agra	Vetting of 500 KI cwrph	10,000.00
254	Dr. V. P. Singh	Er. R. K. Chauhan Executive Engineer U.P.S.I.D.C, Allahabad.	Soil Testing	29,325.00
255	Dr. V. P. Singh	Manger (SI) PGCIL Allahabad	Field Density and Moisture content	48,300.00
256	Dr. Rakesh Kumar	Project Manager U. P. Rajkiya Nirman Nigam Ltd saifai unit behind the running stadium Etawah	Inspection and Quality check	80,500.00
257	Dr. L. K. Mishra	M/s Alstom T & D India Limited Noida	Cement testing/Cube testing	9,200.00

258	Dr. L. K. Mishra	M/s SKC Infratech Pvt. Ltd client of UPRNN, 30 court High Court project Allahabad.	Testing of cubes	5,750.00
259	Dr. Rakesh Kumar	Executive Engineer, UPSC & I.D.C. LTD Maa Shanti Niwas, opposite to Drjaved Aoaraji bagh, Azamgarh	Third party inspection of C.H.C.S.	2,47,250.00
260	Dr. Rakesh Kumar	Project Manager, UP Rajkiya Nirman Nigam Ltd unit-1 Milk Technology campus Motighil Etawah	Ill Party Inspection and Quality check	80,500.00
261	Dr. A. K. Sachan	M/s S. P. Agarwal & Co., kanpur	Vetting of lio KI OHT	14,950.00
262	Prof. Ram Pal Singh	Er. Ratan Sen singh project Manager office of the project manager construction unit UP Jal Nigam Gorakhpur.	Conducting lake water quality monitoring for further period of 6 months of Ramarh lake at Gorakhpur	17,36,500.00
263	Dr. L. K. Mishra	The Manager(S/S) Power Grid Corporation of India Bhawan Civil Lines, Allahabad	Testing of concrete cubes [Test code STD-01]	5,750.00
264	DR. Anindya Bhau	Executive Engineer Construction Division, Uttar Pradesh Jal Nigam Bhadoni.	Cylinder leakage Test Assembly Discharge Test	17,250.00
265	Dr. Rama shankar	The Manager Civil RITES Limited Pouinthyanchal UP.	Testing of Trach Ballast	10,350.00
			Total	1,92,23,641.00

PH.D. DEGREES AWARDED FROM APRIL 01, 2016 TO MARCH 31, 2017

Sl. No.	Name	Registration No.	Thesis Title	Supervisor(s)
1.	Mr. Anil Kumar Yadav	2008RCS14	Efficient Connected Dominating Set Construction for Wireless Ad hoc Networks	Dr. R. S. Yadav
2.	Ms. Shalini Singh	2008REL06	Performance of Routing Protocols for MANET with Infrastructure Network	Dr. Rajeev Tripathi
3.	Mr. Manish Kumar	2011REL01	QoS Routing for Real-Time Data Transfer in Industrial Wireless Sensor Networks	Dr. Sudarshan Tiwari & Dr. Rajeev Tripathi
4.	Ms. Shikha Devi	2012RBT06	Exploring Rhizospheric Bacterial Diversity of Rice for Plant Growth Promotion, Disease Suppression and Potential Application in Sustainable Agriculture	Dr. Shivesh Sharma
5.	Mr. Vishwajeet Pratap Singh	2012RCE51	Human Health Risk Based Assessment of Contaminated Land and Remediation Selection Appraisal	Dr. R. K. Srivastava, CED
6.	Ms. Upasana Mittal	2012RHU02	An Analysis of Gap in Perceived Service Quality & Its Impact upon Professional Development of Students in Higher Educational Institutions	Dr. Ambalika Sinha
7.	Mr. Navneet Kumar Singh	2008REE04	Electric Load Forecasting: An Artificial Neural Network Approach	Dr. Asheesh K. Singh & Dr. Manoj Tripathy
8.	Ms. Smita Venkatesh	2010RCH04	Degradation of Dyes Waste Water through Combination of Ozonation and Anaerobic Biodegradation	Dr. N. D. Pandey & Dr. A. R. Quaff
9.	Ms. Priyanka Kochhar	2010RMS03	Technology Application in Effective Merchandise Management: A Study of Semi-Organized Consumer Durable Retail Stores in India	Dr. Vibhuti Tripathi
10.	Mr. Shashi Bhushan Singh	2009REE06	Voltage Unbalance Assessment for Induction Motor Performance Analysis	Dr. Asheesh K. Singh
11.	Ms. Neha Agarwal	2012REL01	Criteria for the Global Asymptotic Stability of 1-D and 2-D Fixed-Point State-Space Digital Filters with Finite Wordlength Nonlinearities	Dr. Haranath Kar
12.	Mr. Satish Sonbarao Gudup	2010RCH55	Design and Synthesis of Chalcone and Aurone Alkaloid as Anti-TB Agents and Development of New Synthetic Methods	Dr. Tamal Ghosh & Dr. R. A. Vishwakarma
13.	Ms. Sneha Gupta	2013RCE01	Human Health Risk Assessment of Industry & Mining Rendered Contaminated Lands (Carpet Industry – North India & Rare Earth Mining South India)	Dr. R. K. Srivastava, CED
14.	Mr. Pawan Kumar	2009RCS10	Symbiotic Software Engineering for Integration, Deployment and Management of Non-Functional Requirements for Research Prototypes	Dr. B. D. Chaudhary and Dr. Mukul K. Sinha, ESCL, New Delhi
15.	Ms. Mamta Pamnani	2010RBT03	Study of DNA Methylation in Developmentally Important Genes in Mammals	Dr. Manisha Sachan & Dr. Seema Nara
16.	Mr. Shwetank Avikal	2009RME02	Assembly and Disassembly Line Balancing Using Heuristic Approaches	Dr. P. K. Mishra
17.	Ms. Shaista Fatima	2012RHU01	Impact of Perceived Octapace Culture and Emotional Intelligence on Creativity in	Dr. Ambalika Sinha

18.	Ms. Alka Rai	2012RMS01	Students of Higher Educational Institutions Job-Related Antecedents of Employee Engagement and Job Satisfaction: A Study of Public Sector Banks in India	Dr. Piyali Ghosh
19.	Mr. Sumit Vyas	2012REL06	ZnO Based Thin Film Devices for Electronic and Optoelectronic Applications	Dr. P. Chakrabarti
20.	Ms. Jyoti Singh	2012RBT03	Harnessing Bacterial Diversity of Gangetic River System and Development of Nano gold Based Immunoassay for Multiplex Detection of Prevalent Bacterial Species	Dr. Shivesh Sharma & Dr. Seema Nara
21.	Ms. Arti Chouhan	2010RCH52	Synthesis, Characterization and Photocatalytic Application of Some Metal Organic Framework Compounds Based on Zinc, Cadmium and Mercury	Dr. Ashutosh Pandey
22.	Ms. Abhilasha Dixit	2011RCL01	Novel Adsorbents for Remediation of Heavy Metals Laden with Mercury and Lead	Dr. M. Siraj Alam
23.	Ms. Rehana Perveen	2011REE03	Study of Fault Detection and Protection in Offshore Wind Farm Connected to Onshore Grid	Dr. S. R. Mohanty & Dr. Nand Kishor
24.	Ms. Garima Mishra	2010RMA52	Non-Variational Finite Element Method for Solving Non-Linear Elliptic Boundary Value Problems	Dr. Manoj Kumar
25.	Mr. Abhishek Vikram	2010REE03	Computational Geometry Analysis of ASIC Layouts and Defect Detection in Fabrication	Dr. Vineeta Agarwal
26.	Ms. Aditi Srivastava	2013REL52	Fabrication and Electrical Characterization of Organic Semiconductor Devices for Electronic and Photonic Applications	Dr. P. Chakrabarti
27.	Mr. Hari Mohan Singh	2010RCS05	Strategies for Enhanced Protection Path and Dual Failure Restorability in WDM Mesh Networks Using Reconfigurable and Partitioned P-Cycle	Dr. Rama Shankar Yadav
28.	Mr. Anand Shukla	2010RMA07	Convection-Diffusion Problems Arising in Science and Engineering	Dr. Surabhi Tiwari
29.	Mr. Saurabh Kumar Gupta	2011RME01	Modeling and Multi-objective Optimization of Friction Stir Welding Process Parameters for Joining of Dissimilar AA5083 / AA6063 Aluminum Alloys	Dr. K. N. Pandey & Dr. Rajneesh Kumar
30.	Mr. Ashish Kumar Srivastava	2008RMS04	Supplier Development in Heavy Electrical Industry in India (Case Study of A Public Sector and A Private Sector Firm)	Dr. Geetika
31.	Mr. Brij Kishor	2010RCE51	Studies on Removal of Copper (II) Ion from Wastewater by Biogenic Iron Oxide	Dr. Nekram Rawal
32.	Mr. Ajay Suryavanshi	2010RME09	Integrated FEM-ANN Based Modeling and Optimization of Micro-Electric Discharge Machining	Dr. Vinod Yadava and Dr. Audhesh Narayan
33.	Ms. Subia Ambreen	2010RCH06	Synthesis, Characterization and Photocatalytic Applications of Metal Oxide Nanomaterials Derived from Alkoxy Carboxylates of Titanium, Niobium and Tantalum	Dr. N. D. Pandey and Dr. Ashutosh Pandey
34.	Ms. Pushpa Giri	2013REL06	Fabrication and Characterization of ZnO Nanostructure Devices for Electronic and Optoelectronic Applications	Dr. P. Chakrabarti

35.	Mr. Ramji Dwivedi	2012RGI53	Multi-Temporal SAR Interferometry for Deformation Analysis of Landslide	Dr. A. K. Singh & Dr. Onkar Dikshit
36.	Mr. Vadthiya Narendar	2010REL54	Modeling and Simulation of FinFET Devices for Nanoscale Applications	Dr. R. A. Mishra
37.	Ms. Nivedita Sinha	2009RCY03	Preparation and Characterization of Chitosan-Saturated Fatty Acid Derivatives: Effect on Chain Lengths in Antibacterial Activity and Drug Delivery System	Dr. P. K. Dutta
38.	Mr. Shivendra Shivani	2012RCS02	Novel Advancements in Multiple Dimensions of Visual Cryptography	Dr. Suneeta Agarwal
39.	Mr. Pradeep Kumar	2011REE04	Online Estimation and Visualization of Electrical and Mechanical Parameters of Overhead Transmission Line	Dr. Asheesh K. Singh
40.	Mr. Avinash Gupta	2008RCS13	Test Case Reduction Techniques for Design and Maintenance Phase of Software Development	Dr. D. S. Kushwaha
41.	Mr. Anurag Upadhyay	2013REL01	Analysis of Optical Waveguide Sensors Having Metamaterial for Refractometry and Immunosensing Applications	Dr. Y. K. Prajapati
42.	Mr. Snehasis Bhunia	2013RPH01	Raman Spectroscopy and Density Functional Theory Studies on Some Biologically Important Molecules	Dr. Animesh K. Ojha
43.	Mr. Sandarbh Shukla	2010RME06	Some Aspects of ERP Implementation	Dr. P. K. Mishra
44.	Mr. Dilip Kumar Tiwari	2009RCY53	Preparation, Characterization and Evaluation of Chitosan Derivatives for Biomedical Applications	Dr. P. K. Dutta
45.	Mr. Anil Kumar Pandey	2010REE53	Development of Model and Mechanism for Load and Price Forecasting of a Restructured Power System	Dr. Dinesh Chandra, & Dr. M. M. Tripathi,
46.	Mr. Divya Kumar	2012RCS55	Co-Variance Based ABC Variants and Their Applications	Dr. K. K. Mishra
47.	Mr. Hridyesh Kumar	2010RCH05	Biocompatible Chitosan-Quantum Dot Composites: Synthesis, Characterization and Biological Evaluation	Dr. P. K. Dutta
48.	Mr. Anand Shivanappa Reddy	2010RME11	Optimization and Control of Active Magnetic Bearings	Dr. Satish Chand and Dr. P. K. Agarwal
49.	Mr. Aashish Jha	2009RPH03	Studies on the Effect of Various Process Parameters on the Structural and Magnetic properties of Pulsed Laser Deposited Cobalt and Zinc Ferrite Thin Films	Dr. Sanjay Chaubey & Dr. Naresh Kumar
50.	Mr. Nishu Gupta	2013REL05	Mobility Aware Clustering Based MAC Protocol for Safety Message Dissemination in VANET	Dr. Arun Prakash
51.	Mr. Ashish Tiwari	2012RBT05	Harnessing Plant Microbe Interaction for Plant Growth Promotion and Biocontrol in the Pigeonpea Rhizosphere	Dr. Shivesh Sharma & Dr. N. K. Singh
52.	Mr. Pawan Kumar Verma	2010REL53	A Novel Hybrid-MAC Protocol for Massive Access Control in Machine-to-Machine Communications	Dr. Rajeev Tripathi
53.	Mr. Krishan Kumar	2013REL09	Spectrum Handoff Scheme for Optimal Network Selection in Cognitive Radio Vehicular Networks	Dr. Arun Prakash
54.	Mr. Abhishek Kumar Chandra	2009RCL51	Flow Dynamics Simulation in Enhanced Microchannel	Dr. M. Siraj Alam and Dr. P. K. Mishra
55.	Mr. Shyamsunder	2010RCL51	Synthesis and Evaluation of Hydrophilic	Dr. Sadhana Sachan

	Bholanath Mishra		Composite Membranes for Refinery Effluent Treatment by Ultrafiltration	
56.	Mr. Shivraj Singh Gangoliya	2012RBT04	Identification and Characterization of Potential Phytase for Enhancement of Mineral Bioavailability in Wheat	Dr. N. K. Singh
57.	Mr. Nitin Singh	2013REE09	Short Term Electricity Price Forecasting Using Optimized Time Series Models	Dr. S. R. Mohanty
58.	Mr. Kulkarni Abhijit Ravindra	2012REE05	Composite Nonlinear Feedback Controllers for SISO and MIMO Systems	Dr. Shubhi Purwar
59.	Mr. Sankit Ramkrishna Kassa	2013REL56	Studies of Low Power VLSI Design Approaches Suitable for Energy Efficient Nanoscale Circuits	Dr. R. K. Nagaria
60.	Ms. Geetu Yadav	2013RHU04	Determinants Effecting Investment Decision of Middle Income Group Investors in India: A Comparative Study of North and South India	Dr. Ambalika Sinha
61.	Mr. Shailendra Kumar Pandey	2010RCL01	Development of Graphene Based Electrochemical Nano-Sensor for the Detection of Hydrogen Peroxide and Heavy Metals	Dr. Sadhana Sachan
62.	Mr. Rajiv Singh	2007REE03	Intelligent Control of Power in Grid Connected Wind Generators	Dr. Asheesh Kumar Singh
63.	Ms. Monica Mehrotra	2011REE01	Balanced Realization Based Order Reduction of Linear and Nonlinear Systems	Dr. Dinesh Chandra
64.	Ms. Shipra Verma	2009RGI02	Development of Web GIS Based Public Health Information and Management System for Japanese Encephalitis	Dr. R. D. Gupta
65.	Mr. Dipak Kumar	2010RME03	Study of Thermal Fatigue and Tribological Behaviour of Thermal Barrier Coatings on IN800 and AA2024-T351 alloys with Top Coat by Sol-Gel Technique	Dr. K. N. Pandey
66.	Mr. Zeeshan Vakil	2009RAM01	Studies on Ferrite Based Microstrip Circulator	Dr. Anuj Jain and Dr. K. M. Gupta
67.	Ms. Lovely Srivastava	2013RHU03	A Diagnostic Study of Indian Corporate Debt Market: With Special Reference to Key Macro and Micro Indicators	Dr. Ambalika Sinha and Dr. Ravindra Tripathi
68.	Ms. Tanvi Jain	2013RCL01	Chitin Based Nanoderivatives as Novel Drug Carriers	Dr. Sushil Kumar and Dr. P. K. Dutta
69.	Mr. Kaushal Kishor	2010RCL03	Numerical Investigation of Hydrodynamics of Gas-Liquid Slug Flow in T-Microchannel	Dr. M. Siraj Alam and Dr. P. K. Mishra
70.	Mr. Satyendra Kumar Singh	2013REL57	Fabrication and Characterization of Undoped and Mg Doped ZnO Thin-film based Heterojunction Devices for Electronic and Photonic Applications	Dr. P. Chakrabarti and Dr. Shweta Tripathi
71.	Mr. Praveen Bhai Patel	2009RCL52	Surfactant Like Cyclic Peptides and their Behaviour at Interface	Dr. Sadhana Sachan
72.	Ms. Mamta Pandey	2009RGI03	Development of Framework for Decision Support with Environmental & Health Perspective	Dr. R. C. Vaishya and Dr. Varun Singh
73.	Mr. Veerabhadrayya Hiremath	2011RME02	Synthesis and Characterization of Epoxy-Alumina Nanocomposites: Effect of Particle Morphology and Post Curing Temperature	Dr. Dharmendra Kumar Shukla
74.	Mr. Shambhu Sharan Kumar	2009RCY58	Improvement in the Quality of Industrial Stoving Paints by Optimum Dispersion of	Dr. N. D. Pandey

			Nano Particles for Evaluating Weathering and Corrosion Resistance	
75.	Mr. Niraj Kumar Choudhary	2012REE51	Impact of Distributed Generation and Its Control Modes on the Coordination of Overcurrent Relays in Microgrid	Dr. S. R. Mohanty and Dr. R. K. Singh
76.	Mr. Surya Pratap Singh	2010RMA03	A Study on Fluid Flow through Porous Media	Dr. Pramod Kumar Yadav
77.	Mrs. Rajitha B.	2012RCS51	Pre-Processing and Segmentation of Human Hand X-ray Images Suitable for Various Applications	Dr. Suneeta Agarwal
78.	Mr. Vijay Pratap Singh	2013REE02	Load Frequency Control of Power System in Perspective of Smart Grid Operation	Dr. Paulson Samuel & Dr. Nand Kishor
79.	Mr. Anupam Rawat	2012RCE52	Performance Evaluation and Health Monitoring of Ferrocement Structures	Dr. Rama Shanker & Dr. A. K. Sachan
80.	Ms. Anubha Topno	2010RGI01	Geospatial System for Integrated Watershed Management and Sustainable Development of Vindhyanchal Region	Dr. R. C. Vaishya & Dr. A. K. Singh



Orientation Programme



Personality Grooming Activity



Alumni Convention



Alumni Convention



13th Annual Convocation



13th Annual Convocation



Republic Day Celebration



NCC Cadets



SC/ST Student Laptop Distribution



Swacchata Pakhwada



Vigilance Awareness Week



MoS, MHRD Visit



Rukhsat



Environment Day



Spic Macay Event



Avishkar



Yaad Karo Kurbani



NCC Event



50th Annual Athletic Meet



50th Annual Athletic Meet



Renaissance



Culrav



Hindi Pakhwada



Constitution Day



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद

इलाहाबाद-211 004

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