
वार्षिक रिपोर्ट
Annual Report
2016-17

राष्ट्रीय औद्योगिक इंजीनियरी संस्थान (नीटी)
मुंबई की यह वार्षिक रिपोर्ट
1 अप्रैल, 2016 - 31 मार्च, 2017
की अवधि के लिए है।

This Annual Report of the
National Institute of Industrial Engineering
(NITIE),
Mumbai covers the period
1 April 2016 – 31 March 2017.



राष्ट्रीय औद्योगिक इंजीनियरी संस्थान
National Institute of Industrial Engineering

The logo of NITIE (National Institute of Technology in Industrial Engineering) is centered in the background. It features a gear with a flame inside, a lamp, and a banner with the text 'NITIE' and 'उद्योग प्रगति' (Udyog Pragati) in Hindi. The logo is rendered in a light gray color.

Vision

“To be the thought leader in Industrial Engineering education and research,
and partner in the manufacturing renaissance of the nation”

Mission

“To advance transformative education and industry-inspired research
in Industrial Engineering”

**CONTENTS****I. ABOUT INSTITUTE**

1. Introduction - About NITIE	1
2. Institute Structure	
a. Board of Governors / Society	3
b. Deans & Administrative Officers	5
3. Academic Activities	
a. Academic Programmes	
i. Fellow Programme	7
ii. M.Tech Equivalent Programme	7
a) PGDIE	
b) PGDMM	
c) PGDPM	
iii. MBA Equivalent Programme	8
d) PGDIM	
e) PGDISEM	
b. Areas	
i. Industrial Engineering and Manufacturing System	9
ii. Operations and Supply Chain Management.....	11
iii. Engineering Technology and Project Management (ETPM)	14
iv. Decision Science and Information Systems	16
v. Environmental Engineering & Management.....	18
vi. Economics and Strategy.....	20
vii. Finance and Accounts	24
viii. Marketing	27
ix. Organisational Behaviour and Human Resource Management	31
c. Academic Infrastructure and Facilities	
● Laboratories	
a. Industrial Environment / Environmental Engineering Lab	35
b. Physical Ergonomics Lab	37
c. Psychology Laboratory	38
● Library.....	39
● Computer Centre	41
4. Research Centres	
1) Advance Manufacturing Centre of Excellence	43
2) Centre for Mind 2 Market	44
3) Centre for Supply Chain Management	45
4) Centre for Technology and Innovation Management.....	46



5)	Centre for Ergonomics and Human Factors Engineering (CEHFE).....	48
6)	Centre for Global Competitiveness of MSMEs.....	49
7)	Centre for Environmental Studies	50
8)	Centre for Case Development	53
9)	Centre for Knowledge Management.....	54
10)	NITIE Centre for Communication Studies (NCCS).....	55
5.	Outreach: Institute – Industry collaboration	
a.	Management Development Programme (MDP)	59
b.	Unit Based Programme (UBP)	60
c.	Consultancy Services	63
d.	MoUs	64
6.	Faculty Activities	
a.	Faculty Resources	65
b.	Areawise Faculty List	66
c.	Conference / Seminars and Awards	69
d.	Research and Publications	74
7.	Student Affairs and Activities	
a.	Avartan	83
b.	Placements	93
c.	Centre for Student Enterprises (NCSE)	95
8.	Physical Facilities and Infrastructure	
a.	Estate.....	97
b.	NITIE Dispensary	104
c.	Security and Transport	105
9.	Visits, Workshops and Conferences	
a.	Foreign Experts visits to NITIE	107
b.	National Conference on Industrial Engineering and Technology Management	108
10.	NITIE Alumni Association	117
11.	Institute Events	
a.	Hindi Implementation	123
c.	NITIE Cultural and Welfare Activities	130
II. ANNUAL ACCOUNTS		
1.	Annual Accounts	133
2.	Fund Flow for the Year	134
3.	Grant-in-aid received and expenditure incurred	135
4.	Balance Sheet	136
5-	Institute - Extracts in From GFR- 19	137
III. ANNEXURES		
1.	Information Relating to Civilian Posts	139
2.	Summary of Sanctioned Posts	143



ABOUT NITIE

NITIE was established as a National Institute in 1963 by the Government of India with the assistance of United Nations Development Programme through International Labour Organisation.

NITIE offers 2 years Post-Graduate programmes in Industrial Engineering, Industrial Management, Industrial Safety and Environmental Management, Information Technology Management and a Fellowship Programme of Doctoral level recognized as equivalent to Ph.D of an Indian University. NITIE has been conducting several short-term Management Development Programmes of one week duration in various areas of Industrial Engineering and Management. NITIE can conduct eight courses concurrently. The training programmes of NITIE emphasize on learning with a purpose, and are accompanied by an abiding concern for man. Besides training, NITIE is also engaged in applied research and offers consultancy in the various facets of Industrial Engineering, Operations Research, Information Systems and Computers, Environmental Management, Marketing, Organisation Behaviour and Human Resource Management.

NITIE faculty members, drawn from various basic disciplines, have diverse experience in business, industry and government, and thus are able to bring to bear academic concepts to the practical problems. By introducing new concepts, techniques and programmes to meet the changing needs arising out of rapid technological development and socio-economic transformation, NITIE endeavours to equip the managers, administrators and specialists in government, public utilities, industry and other service sectors with the necessary skills for efficient performance.

NITIE has established a Centre of Excellence in Ergonomics and Human Factors Engineering (CEEHFE) as part of Government of India's Technology Mission-2020 through TIFAC (Technology Information Forecasting and Assessment Council) — mission REACH (Relevance and Excellence in Achieving New Heights) in Educational System. NITIE has also established an Advanced Centre of Excellence in Operations and Manufacturing Management. The centre is equipped with ERP/MRP-II, CAD/CAM, EDM, QUEST softwares.

NITIE publishes quarterly a professional journal, UDYOG PRAGATI. This deals with new developments in industrial engineering, industrial management and allied fields. Members of Alumni Association are entitled to a copy of the journal. Participants of Management Development Programmes are eligible to become members of Alumni. NITIE also publishes NITIE NEWS containing information about Institute's activities which is circulated to industries, educational institutions and alumni.

NITIE campus is located in one of the most picturesque surroundings of Mumbai flanked by Powai and Vihar Lakes. NITIE can accommodate 150 participants at a time in self-contained single rooms.

NITIE is administered through a Board of Governors representing industry, government, labour and professional bodies with **Prof. Sanjay G. Dhande, Former Member, UGC & Former Director IIT Kanpur as Chairman and Prof. (Ms.) Karuna Jain** as Director.

**NITIE BOARD OF GOVERNORS****(w.e.f. 27.03.2017 to 26.03.2021)**

I	Chairman	Prof Sanjay G Dhande, Former Member UGC and Former Director IIT Kanpur – (w.e.f. 08.11.2016) Shri V S Oberoi, Secretary, MHRD, Chairman NITIE BoG – (since 02.09.2015 to 07.11.2016 as an interim measure till the appointment of regular Chairman, NITIE BoG)
II	Representatives of Central Government	
	Department of Higher Education	Shri S P Goyal JS (NIT & DL) Dept. of Higher Education, MHRD
	Ministry of Finance	Ms Darshana M Dabral Joint Secretary (Financial Adviser), MHRD
	Ministry of Commerce & Industry	(nomination yet to be received)
III	Representative of National Productivity Council	Smt Kalpana Awasthi, IAS, Director General, NPC.
IV	Representative of All India Council for Technical Education	Prof Devang Khakhar, Director, IIT Bombay, Member, AICTE
V	Four representatives of Industry including Public Enterprises nominated by Central Government	(nominations yet to be received)
VI	Two Members Representing Workers' Organizations	(yet to be co-opted)
VII	Two representative of other interests such as Engineering professions and technical institutions, etc.	(nominations yet to be received)
VIII	Two co-opted Members Representatives Industrial Engineering, Productivity Sciences, etc. (co-opted by the Board)	(yet to be co-opted)



- IX One Representative of Govt. of Maharashtra co-opted by the Board (yet to be co-opted)
- X Ex-officio Member Prof. (Ms) Karuna Jain, Director NITIE
- XI Two members of NITIE Teaching Faculty to be co-opted by the Chairman, NITIE BoG
1. Prof A K Pundir, Professor (Industrial Engineering & Management System)
 2. Prof KVSS Narayana Rao, (Industrial Engineering & Management System)
- XII Ex-officio Secretary Dr. Utpal Kumar Debnath, Registrar I/c.

Number of Board/Society/ Finance Committee Meetings held with dates:

Board Meeting No.	Date	Society Meeting	Finance Committee.	Date
145	27.03.2017	70	Nil	27.03.2017

**NITIE DEANS & ADMINISTRATIVE OFFICERS****Deans:**

- 1] Prof. (Ms) Vijaya Gupta - Dean (Academics)
- 2] Prof. A. K. Pundir - Dean (Student Affairs)
- 3] Prof. L. Ganapathy - Dean (Administration)
- 4] Prof. (Ms.) Karuna Jain - Dean Sponsored Research & Industrial Consultancy (SRIC)

Prof. In-Charge:

- 1] Prof. V. B. Khanapuri - PIC (Executive Education)
- 2] Prof. Neeraj Pandey - PIC (Research)
- 3] Prof. (Ms) K. S. Ranjani - PIC (Media Relations)
- 4] Prof. Ranjan Chaudhuri - PIC (International Relations)
- 5] Prof. K. Maddulety - PIC (Security & Transport)

Administrative Officers:**Registrar**

Dr U K Debnath

Systems Designer

Shri S M Venkataramaiah

Contrller Of Examination

Dr. U K Debnath

Executive Engineer

Shri Rajesh Gaikwad

Manager, Computer Centre

Shri A N Naidu

Library & Information Officer

Mrs Bhagyashree Korde

Deputy Registrar

R L Samota

Medical Officer

Dr. (Mrs.) Smruti Patel

Assistant Registrar

Shri C R Saseendran (upto 31.07.2016)

Mrs. Sangita Jadhav

Mrs. Nisha Singh (Retd. Lt. Ctr.)



ACADEMIC PROGRAMMES

i) FELLOW (Doctoral) Programme

Fellow (Doctoral) programme aims to admit individuals with the sound academic background, strong motivation and potential to become excellent researchers at national and international level. The interdisciplinary nature of the programme stimulates opportunities in exploring different facets of research areas.

Admission notification in respect of Fellow (Doctoral) Programme- 2017 was released in leading Newspapers/ Journals and Magazines on 15th January, 2017. Admission related activities are in progress.

- 05 Students have presented Literature Review
- 04 Students have presented Pre-Registration Seminar
- 50 Students have presented Progress Credit Seminar
- 18 Students have presented Pre-Synopsis Seminar
- 14 Students have defended Viva-Voce Examination successfully

ii) M. Tech Equivalent Programme:

a) Post Graduate Diploma in Industrial Engineering (PGDIE)

NITIE offers a two-year residential Post Graduate Diploma in Industrial Engineering, equivalent to Master's Degree in Industrial Engineering, recognized by the Government of India, Association of Indian Universities, and All India Council for Technical Education. The PGDIE programme has focus on techno-managerial and cross-functional skills. Admission is restricted to the candidates who qualify through Graduate Aptitude Test in Engineering (GATE), followed by Group Discussion and Personal Interview. Industry Sponsored candidates fulfilling eligibility criteria are also considered for admission.

The students of 44th batch PGDIE programme (2014-16) have completed their programme and have been placed in various organizations.

The students of 45th batch PGDIE programme (2015-17) have completed 6th Quarter and are now pursuing their Six Months Final Project.

The students of 46th batch PGDIE programme (2016-18) have completed 3rd Quarter.

Admission notification for 47th Batch of PGDIE, 4th Batch of PGDMM & PGDPM (2017-19) was released in leading Newspapers/Journals, Magazines and on NITIE website on 12th February 2017. Admission related activities are in progress.

b) Post Graduate Diploma in Manufacturing Management (PGDMM)

NITIE offers a two-year residential Post Graduate Diploma in Manufacturing Management. Admission is restricted to the candidates who qualify through Graduate Aptitude Test in Engineering (GATE), followed by Group Discussion and Personal Interview. Industry Sponsored candidates fulfilling eligibility criteria are also considered for admission.

The students of 1st batch PGDMM programme (2014-16) have completed their programme and have been placed in various organizations.

The students of 2nd batch PGDMM programme (2015-17) have completed 6th Quarter and are now pursuing their Six Months Final Project.

The students of 3rd batch PGDMM programme (2016-18) have completed 3rd Quarter.

c) Post Graduate Diploma in Project Management (PGDPM)

NITIE offers a two-year residential Post Graduate Diploma in Manufacturing Management. Admission is restricted to the candidates who qualify through Graduate Aptitude Test in Engineering (GATE), followed by Group Discussion and Personal Interview. Industry Sponsored candidates fulfilling eligibility criteria are also considered for admission.

The students of 1st batch PGDPM programme (2014-16) have completed their programme and have been placed in various organizations.



The students of 2nd batch PGDPM programme (2015-17) have completed 6th Quarter and are now pursuing their Six Months Final Project.

The students of 3rd batch PGDPM programme (2016-18) have completed 3rd Quarter.

iii) **MBA Equivalent Programme:**

d) Post Graduate Diploma in Industrial Management (PGDIM)

NITIE offers a two-year residential Post Graduate Diploma in Industrial Management (PGDIM), recognized by All India Council for Technical Education. The PGDIM addresses all the strategic, tactical and operational issues involved in today's business. An understanding of the various perspectives and dimensions of business is at the base of this programme. The programme has focus on Systems, Operations, SCM, Business Policy, Tools and Techniques, Human Resources, Marketing and Finance areas which help in developing the right knowledge mix. The programme addresses the needs of the Industry by targeting the entire value chain of the business organization.

Admission to PGDIM programme is restricted to Engineering Graduates who qualify through Common Admission Test (CAT) conducted by the IIMs followed by Group Discussion and Personal Interview.

The students of 21st Batch PGDIM programme (2014-16) have completed their programme and have been placed in various organizations.

The students of 22nd Batch PGDIM (2015-17) programme have completed their 7th Module.

The students of 23rd Batch PGDIM (2016-18) have completed 3rd Module.

e) Post Graduate Diploma in Industrial Safety & Environmental Management (PGDISEM)

NITIE has launched a Post-Graduate Diploma in Industrial Safety and Environmental Management which is of two years duration and is approved by All India Council for Technical Education. Objective of the Programme is to provide knowledge to improve quality of industrial safety and environmental practices, to equip the students.

With necessary expertise to manage Industrial safety and environmental problems effectively paving the way for cleaner and safer production, to inculcate a systematic approach in dealing with Industrial Safety and Environmental Management through scientific management methodologies available for decision-making, and to provide foundation for specialized studies and research in safety and environment.

Admission to PGDISEM Programme is restricted to Engineering Graduates who qualify through Common Admission Test (CAT) conducted by the IIMs followed by Group Discussion and Personal Interview.

The students of 14th Batch PGDISEM (2014-16) have completed their programme and have been placed in various organizations.

The students of 15th Batch PGDISEM (2015-17) programme have completed their 7th Module.

The students of 16th Batch PGDISEM (2016-18) have completed their 3rd Module.

Admission notification in respect of PGDIM 24th Batch & PGDISEM 17th Batch was released in leading Newspapers/Journals, Magazines and on NITIE website on 6th November, 2016. A total No. of 6486 applications were received and 2430 candidates were short listed for GD & PI based on the CAT Score and overall academic performance. GD & PI was held from 27.03.2017 to 31.03.2017. 1283 candidates have attended the GD & PI.

XXII CONVOCATION – NITIE

On 17th September, 2016, the lush green campus of **National Institute of Industrial Engineering** (NITIE) came alive with celebrations, as the Institute honoured the graduating class of students at the **XXII Annual Convocation Ceremony**. The event was graced by Dr. (Ms.) Tessa Thomas, Director, (ASL)' (DRDO) Ministry of Defence, Government of India. 400 students of PGDIE-XLIV, PGDIM-XXI, PGDISEM-XIV, PGDMM-I and PGDPM-I Batches have been awarded Degree/Diploma certificates and 13 students have been awarded Fellow of NITIE.



INDUSTRIAL ENGINEERING AND MANUFACTURING SYSTEMS

a) Introduction to the area (including Objectives):

Introduction of area:

Industrial Engineering refers to the design and improvement in work systems and is firmly entrenched on the philosophy of continuous improvement of these work systems which are integrated form of people, product (or service) and processes. **Manufacturing Systems** refers to the various method of organizing production. Many types of manufacturing systems are in place, including assembly lines, batch production and computer-integrated manufacturing to current day 3-D printing. The area **Industrial Engineering and Manufacturing Systems (IEMS)** in NITIE is a merger between *Industrial Engineering* and *Manufacturing Systems area*.

Objective of area:

To drive Industrial Engineering and Manufacturing Systems research to enhance national manufacturing competitiveness.

b) List of Area members and their specialization:

S.No	Faculty	Designation	Specialization
1.	Ashok K. Pundir	Professor	Project Management, BPR, Work Systems Design, Productivity Management, Service Operation, Supply chain management
2.	KVSS Narayan Rao	Professor	Industrial Engineering, Capital Markets, Financial Modelling
3.	L. Ganapathy	Professor	Quantitative Methods, Project Management
4.	Milind Akarte	Associate Professor	Industrial Engineering, Operations & Supply Chain Management, Manufacturing Strategy, MCDM, Additive Manufacturing

S.No	Faculty	Designation	Specialization
5.	Padmanav Acharya	Associate Professor	Industrial Engineering, System Dynamics, Project Management, Logistics Supply Chain
6.	Priyanka Verma	Assistant Professor and Area Coordinator	Industrial Engineering, Supply Chain Modelling, Facilities Planning, Operations, Quantitative Techniques
7.	S.K. Rauf Iqbal	Associate Professor	Ergonomics and Human Factors Engineering, Work System Design
8.	Suman Mukhopadhyay	Associate Professor	Ergonomics and Human factors, Physiology, Fitness and Lifestyle Management
	Vivek Khanzode	Associate Professor	Industrial Engineering, Operations Management, Lean Manufacturing

c) Growth of Area and activities undertaken during the year:

1. Academic

I. PhD Completed:

- i. Name of Student: Ms. Shweta S. Phadke

Title of Thesis: "Occupational Health Profile of Traffic police – Ergonomic Perspective".

Faculty Guide: Prof. Rauf Iqbal

Name of Institute: D.Y. Patil University, Navi Mumbai

Year of completion: 2016

- ii. Name of Student: Ms. Shreya Maulik

Title of Thesis: "A Study on Work-Related Musculoskeletal Problems" among Medical Laboratory Technicians

Faculty Guide: Prof. Rauf Iqbal

Name of Institute: NITIE, Mumbai

Year of completion: 2016



iii. Name of Student: N. Girish

Lifting capacity among Manual Material Handlers using Progressive Isoinertial Lifting Evaluation

Faculty Guide: Prof. Rauf Iqbal and Prof. Vivek Khanzode

Name of Institute: NITIE, Mumbai

Year of completion: 2017

II. New courses taught:

i. Work systems Design by Prof. Vivek Kahnzode and Prof. Rauf Iqbal

ii. Facilities Planning by Prof. Rauf Iqbal and Prof. Priyanka Verma

2. Outreach (including building Institutional linkages)

i. Conduct of National Conference on Industrial Engineering and Technology Management (NCIETM-2016) from 17-19 November 2016. Conference Patron : Prof. (Ms.) Karuna Jain, Director; Conference Chair: Prof. Ashok K

Pundir , Dean(Student Affairs); Conference Co-Chair: Prof. Padmanav Acharya, Prof. Ruchita Gupta

ii. Prof. Padmanav Acharya delivered Key Note address on “System’s Modelling in Operations and Supply Chain Management” at International Conference on Operations and Supply Chain Management,2016, SIOM, Nasik, 17-19 August 2016.

iii. Prof. Padmanav Acharya delivered Invited Lecture on “Manufacturing Strategy: A System Dynamics Approach”, in the Short Term Training Program on “Advances in Manufacturing Systems” 16th – 22nd February, 2017, at MITS Gwalior.

iv. Prof. Rauf Iqbal delivered invited lectures on i) “Man-machine system” and ii) “Tools and techniques of Ergonomics in Industry” in a workshop on ‘Recent trends in Industrial Engineering during 16th to 18th February 2017 organized by the Pandit Deendayal Petroleum University (PDPU), Gandhinagar.



OPERATIONS AND SUPPLY CHAIN MANAGEMENT

a) Introduction to the area (including Objectives):

Operations and Supply chain Management (OSCM Area) is positioned as a strategic multidisciplinary Area at NITIE, dedicated to carrying out specialized theoretical and applied research on Operations and Supply Chain Management with participation by a multidisciplinary faculty and industry practitioners.

- To educate and train students & practicing executives and develop future industry leaders in areas of Operations and Supply Chain Management
- To conduct research that contribute significantly to the theory and practice of Operations and Supply Chain Management
- To act as a forum to initiate interaction and dialogue on supply chain related issues, challenges and solutions between industry and academia

b) List of Area members and their specialization: (in alphabetical order)

Sr. No.	Faculty	Focus Area	Spectrum of Work
	Prof. K. Maddulety	Quality Management / Supply Chain Management	Supply Chain Modelling and Analytics, TQM and Six Sigma
	Prof. Rakesh Raut	Operations Management / Supply Chain Management	Collaborative Network Organization, Agriculture Supply Chain, Cold Supply Chain, 3PL
	Prof. Ravindra Gokhale	Operations Management / Supply Chain Management	Manufacturing Planning and Control, Supply Chain Modeling, Urban Transportation Systems, Logistics Management
	Prof. Sachin Kamble	Operations Management / Supply Chain Management	Agriculture Supply Chain, Cold Supply Chain, Retail Supply Chain
	Prof. Sanjay Sharma	Operations Management / Supply Chain Management	Inventory Management
	Prof. Sushmita Narayana	Operations Management / Supply Chain Management	Healthcare Operations Management, Sustainable Supply Chain Management

c) Growth of Area and activities undertaken during the year:

1. Academic

The Core Faculty of the Area are active in the following domains of Operations and Supply Chain Management: Sustainable Supply Chain Management, Agriculture and Food Supply Chain, TQM and Six Sigma, Supply Chain Modelling, Supply Chain Analytics, Inventory Management, Logistics Management.

**Teaching – Courses currently offered in the area**

Operations Management, Supply Chain Management, Materials Management, Logistics Management, Quality Management, Advanced Supply Chain Management

Area course path

Specific to Fellow Students:

Operations Management → Supply Chain Management → Stream Specific Courses namely, Topics in Supply Chain Management, Advanced Operations Management → Any other courses offered by specific Faculty Guides

2. Research**Research**

Profile	Details	Remarks
Faculty	6	Area Core
		Other group members
Fellows*	02 / 4	Completed / Current

(*This includes only the Fellow Students completed/current with the Core Faculty after restructuring of the Area)

Ongoing Research – Fellow and Independent

Sr.No	Fellow	Faculty	Topic	Research Level - Firm / Industry / Sector	Research Area / keywords
	Mr. Mohd. Asif Gandhi	Sanjay Sharma	Correlations in green SCM practices & performance	Industry	Green SCM
	Ravindra Baliga	Sachin Kamble / Rakesh Raut	A Sustainable Closed Loop Supply Chain Model for Integrated Pulp and Paper Manufacturing Industry	Industry	Sustainability, Paper Industry
	Praveen Dongre	Ravindra Gokhale	A Study of Supply Chain Performance Measures in Organizations	Sector	Supply Chain Performance, MSME
	Prasad Patil	Prof. K. Maddulety/ Prof. Sushmita Narayana	TQM -SCM	Industry	Quality SCM



Area Publications – Conferences and Journals [2016-17]

Sr.No	Contributions	Numbers
1.	International/National Conferences	02
2.	Journals	13
3.	Case studies	*Cases published in journals are considered in Journals
4.	Newsletters / Others	00

3. Outreach (including building Institutional linkages)**Management Development Programme [MDP]**

Current Focus of these courses – MDPs proposed in Academic Year 2016 -17

- Inventory Management
- Data Analytics for Effective Decision Making
- Operations Research Tools for Strategic Decisions
- Statistical Analysis for Business Decisions
- Logistics and Distribution Management
- Supply Chain Management
- Multi-Criteria Decision Making Approaches for Vendor Management
- Supply Chain Management
- Greening the Operations in the Organization – An Introduction to Sustainable Practices
- Systems Thinking for Businesses – Visualizing the “Big Picture”
- Managing Efficient Operations in Indian Healthcare Organizations
- Principles and Applications of Statistical Process Control and Design of Experiments
- Lean Six Sigma

Joint certification in Supply Chain Management with International Universities that NITIE has MoU signed with. One such proposal is being made for Joint Certification with University of Alabama at Huntsville (UAH).



ENGINEERING TECHNOLOGY AND PROJECT MANAGEMENT (ETPM)

a. Introduction to the area (including Objectives):

The ETPM area is the interconnect layer between the primary and secondary functions of any organisation - manufacturing, service. ETPM area lays emphasis on how the object (Technology) and the process (Projects) interact in a synergetic way. This helps unravel both for organisations and students to simultaneously select, apply and manage the approach and impact of activities.

ETPM area aspires to partner with the Institute vision by bridging “engineering” and “management” through directed courses and industry inspired research. The manufacturing renaissance involves stages- NPD, Production system design, production and delivery. These aspects involve/runs in the project mode and require existing and new technologies to be acquired and well integrated to reduce cost and time overrun. This requires understanding of the critical aspects of managing technology and projects to provide competitive and sustainable advantage in an effective manner.

ETPM focussed to deliberate on all three critical value dimensions- Creating, Capturing, and Delivering value through technology and project based strategy. ETPM lays emphasis on technology and project mode approach as the core differentiator for the organisation in building dynamic capabilities and core competencies and identifies paths to leverage the knowledge of both intangible and tangible products and processes to improve organisation’s competitive performance.

		AREAS OF ETPM													
		Technology Management					IP- Management	Innovation Management			Project Management				
FACULTY SPECIFIC RESEARCH AND TEACHING AREAS	Tech. Leadership and Strategy	Tech. Forecasting Foresight and Knowledge	R&D Management	Tech. Acquisition - Transfer, Evaluation and Commercialisation	Tech. Adoption and Diffusion (Strategy)	IP- Management	Company and Innovation	New product Development	Technology Entrepreneurship	Complex products and systems design	Program and Portfolio Management	Project Risk Management	Project Approval and Feasibility Studies	Quantitative modelling and Data Analysis	Project planning and Scheduling
Prof. B. Kaleswara Rao Naik						✓	✓		✓		✓				
Prof. Kanchan Joshi												✓		✓	✓
Prof. Karuna Jain	✓	✓	✓	✓	✓	✓								✓	✓
Prof. Mahandan R.	✓	✓	✓			✓		✓	✓	✓					
Prof. Rachita Gupta	✓	✓	✓	✓	✓				✓						
Prof. Vijaya Dixit												✓		✓	✓
Prof. Vivekanand B Khanapuri											✓	✓	✓		✓

**c) Growth of Area and activities undertaken during the year:**

1. Academic: No new electives from myside (KRN) during 2016-17.

Outreach (including building Institutional linkages):

1. Conducted a Three-day MDP on 'Driving Innovation Culture in Technology Start-Ups' during 03-5, October 5, 2016 at NITIE Mumbai (KRN & RUG).
2. Conducted a Two-day Unit Based Program (UBP) Officers to Central Institute for Research on Cotton Technology, an ICAR Institute at Matunga, Mumbai during 14-15, March 2016 (KRN & RUG).
3. Conducted a Six-days UBP on Basic Management Module for DRTC (a unit under DRDO) officers during 1-6, August 2016 at NITIE Mumbai (TP & KRN).

d) Any achievements of area members/area

- **Best Research Paper Award**, 6th International Conference on Management, Sociology & Environment Engineering (ICMSEE' 2016) during 17-18, March 2016, held at Abu Dhabi, UAE.
- **Second Prize** in Poster Competition at 3rd International Conference on Management of Intellectual Property Rights and Strategy during 15-16, August 2016, held at NITIE Mumbai jointly with SJMSOM, IIT Bombay, India.



DECISION SCIENCES AND INFORMATION SYSTEMS

a) Introduction

Today's business environment requires companies to collect up-to-date business information from their customers, competitors, and business partners and, more importantly, analyze this information by using advanced tools and technologies. Firms that do not possess these capabilities will fall behind in the highly competitive and quickly changing business environment. As a result, more and more employers are recruiting business professionals who possess quantitative/analytical and technical skills.

The area aims to prepare students to design, develop, and implement complex systems and to conduct research that leads to better understanding of how information technology and quantitative analysis and modeling can support individuals, groups, and systems in problem solving and decision making.

DSIS achieves these objectives by extending and integrating knowledge from the disciplines of Industrial Engineering, Information Systems, Enterprise Systems, Quantitative techniques, Operations Research, Statistics, Artificial intelligence and Business Analytics.

The Area prepares students to conceptualize, analyze, develop, and deliver leading-edge information systems that support business processes and data driven decision-making..

b) List of Area members and their specialization

S.No	Faculty	Focus Area
1.	Prof. R Ramaswamy	Software Engineering, Computer Networks
2.	Prof. Hema A Date	Business Intelligence, Knowledge Management, Business Analytics, E-Commerce, ERP, DSS, ES, Software Engineering, IT Consulting, Industrial Engineering
3.	Prof. Purnima S.Sangle	Digital Transformation, Business Analytics, Data Mining, Business Value of IT, Enterprise Systems, ERP, CRM Technology Adoption, Multichannel CRM, IoT
4.	Prof. P.K. Biswas	Information Technology, Energy Management, Industrial Engineering
5.	Prof. Rakesh Verma	Operations Research, OR Application to Healthcare, MCDM, Fuzzy Logic and Its Application To Engineering and Business, Data Analytics
6.	Prof. S. C. Panandikar	Application of Statistics in Marketing Research, Finance and Econometrics.

**C) Growth of Area and activities undertaken during the year 2016-17****1. Academics**

Various courses are being taught by Area faculty members mainly focusing on Data Driven Decision Making, Analytics, Decision Support Systems, Enterprise Resource Planning, OR Modeling, Decision Making Under Uncertainty, E-Commerce, Multi-channel CRM, Business Statistic, IT in Manufacturing, Knowledge Management, IT Consultancy Management, Business Analytics Using Data Mining, Statistics for Management etc.

2. Research**Fellow Students Awarded/Viva-Voce during 2016-17**

Sr. No.	Student Name	Name of Faculty	Viva-Voce Examination/ Awarded	Topic
1.	K. Madan	Prof. R. Ramaswamy	Awarded	Software Effort Estimation Techniques: Challenges to Decision Support in Software Project Management
2.	Tanvi Agrawal	Prof. P.K. Biswas	Awarded	Development of Energy Efficient Algorithms for passive RFID Tag Identification
3.	Sarang P. Joshi	Prof. Rakesh Verma	Awarded	Buyer-Supplier Relationship Development Strategies for Competitive Advantages: Indian Manufacturing Sector
4.	Somnath Roy	Prof. Purnima Sangle	Viva-Voce	Study on Pre and Post Implementation Stages of ERP
5.	Safeena Rahmath	Prof. Hema Date	Viva-Voce	A Study on Internet Banking Technology Adoption

Prof. Purnima Sangle

MoU Coordinator, L&T Infotech, Academic Research Collaboration (ARC) under Thought Partnership Initiative Program

Prof. Rakesh Verma

Professional: Chaired the session in NCIETM, 2016 Conference at NITIE (Nov. 2016)
Service (Research) Reviewer of EJOR



ENVIRONMENTAL ENGINEERING & MANAGEMENT

a) Introduction to the Area:

Environmental Engineering & Management area is interdisciplinary and cross functional area, performing under the PGD programme in Industrial Safety & Environmental Management of NITIE. The area interfaces with engineering and management aspects in the environment domain with the broader objective to excel in the area of Environmental Management & Sustainability.

b) List of Area members and their specialization:

Seema Unnikrishnan	Environmental Law & Policy, Disaster Management
Shirish Sangle	Organization And Natural Environment
Shankar Murthy	Environmental Engineering
Anju Singh	Business sustainability, Environmental Management, Corporate Social Responsibility
Hema Diwan	Industrial Pollution Control, EIA, Sustainability Management

c) Growth of Area and activities undertaken during the year:

- a. Academic: Courses offered
- Sustainable Development
 - Sustainable Manufacturing
 - Environment and Safety Legislation
 - Air & Noise Quality Mgt Electives
 - Disaster Management (SUN)
 - Energy Management (AJS)
 - Environmental Impact Assessment for Developmental Projects (HDN)
 - Business Strategies for Sustainability (SS)
 - Shop floor Waste Management (SMU)

- Business Strategies for Climate Change (SS)
- Clean Development Mechanism and Climate Change (SUN)
- Process Safety Management (SMU)
- SHE Audit Systems - ISO
- 14000 & OHSAS 18000 (AJS)
- Strategic CSR (SS)
- Global Environmental Policy (AJS)
- Energy Crisis & Role of Innovative Practices (HDN)
- Environmental Modeling (SMU)
- Sustainability Laboratory (AJS/SS)
- Business Strategies for Climate Change (SS)
- Strategic CSR (SS)
- Sustainable Operations Management (SS)

Accreditation: IOSH reaccreditation 2017

b. Research:

Awarded Fellow to Shridhar Samant on October 4, 2016

d) Outreach (including building institutional linkages)

Prof Shirish Sangle, Member, Sustainability advisory council – Aditya Birla Group Textiles, Acrylic Fibre & Overseas Spinning Business

- I. Member, Editorial Board of Sustainable Development, John Wiley.
- II. Regional Editor-India of the International Journal of Sustainable Strategic Management, Inderscience
- III. Member, International Journal of Business Continuity and Risk Management, Inderscience



- IV. Member, *International Journal of Business and Globalization*, Inderscience
- V. Member, *International Journal of Management and Development*, Inderscience
- VI. Member, *International Journal of Pluralism and Economics Education*, Inderscience

MDP/UBP

UBP: Risk analysis & Emergency Preparedness, 8-10 Feb 2017, Hindustan Petroleum Corporation Limited

- Conducted on Risk Analysis and Disaster Management for the oil and Gas Industry
- Conducted a specialized half day workshop on leadership challenges for fire safety for NPC

e) Any achievements of area members/area

Prof Shirish Sangle: Got the Best Teachers Award from NITIE for the academic year 2016.





ECONOMICS AND STRATEGY

Introduction to the Area

Economics and Strategy is one of the key academic areas which provides key inputs to the industrial engineering. The area combines two broad disciplines, viz. Applied Economics and Strategic Management. Economics and Strategy is uniquely placed to provide the foundation to the courses to all PG Programmes like Operations and Supply Chain, Industrial Engineering, Marketing, etc. and sets the tone for a multidisciplinary approach education. It provides a basket of courses which combines the tools of decision making through economic, strategic on one hand, and theoretical and analytical principles, integrates decision making with macroeconomic, regulatory and environmental policies. It focuses on the geographical scope of decision making with both domestic and international perspectives. The goal of the area is to align with and contribute to the vision and mission of the institute and contribute to nation building through teaching, research, industry connect and policy making of government bodies. In addition to offering Institute core courses like Managerial Economics, and Strategic Management, common to all programmes, the area has a large number of programme-specific as well as Institute open electives such as International Business Strategy, Industrial Organization, Economics of Regulation & Business Strategy, Global Trade and Institutions, Business Analysis and Econometric Applications, Public Systems and Policy, Environmental Economics, Economics of Climate Change, Urban Economics, Carbon Market etc. The faculty members undertake theoretical and empirical research on a large number of inter-disciplinary areas like Industry Analysis, Economic Environment of Business, Labour Markets, Natural Resource Management, Climate Change and Vulnerability, Carbon Markets, Strategic Leadership, Globalization and Economic Competitiveness, International Business Strategy, Environmental Valuation, Discrete Choice Experiments, Banking Sector, Competition Policy, Behavioural Corporate Finance, Corporate Governance, International Trade and Mergers and etc.

List of Area members and their specialization

Name of Faculty	Area of Research Specialization	Current Research Topics
Prof. Vijaya Gupta (Professor)	Economic growth, inequality and environmental sustainability, Vulnerability due to climate change Productivity in agriculture and coastal areas, Valuation of intangibles, Cost issues in green supply chain	Economic cost estimation due to arsenic contamination in Bihar Adaptation and mitigation strategy and impact on productivity in agriculture due to climate change Analyzing whether Inequality is a victim and/or an agent to growth and sustainability Analyzing energy consumption behavior of households in Mumbai Cost reduction through green supply chain in FMCG Migration and productivity
Prof. Utpal Chattopadhyay (Associate Professor)	Economic Environment of Business, Globalization & Global Competitiveness, International Trade	Competitiveness of firm, industry and nations, Global Production, International Joint Ventures, Trade Agreements, Industrial Policies, Regional clusters & SMEs.



Name of Faculty	Area of Research Specialization	Current Research Topics
Prof.Som Sekhar Bhattacharyya (Associate Professor)	Strategic Management	Strategic Corporate Social Responsibility International Business Strategy Strategic Management theories Strategy and Leadership in the context of emerging economies Mergers and Acquisition
Prof.Binilkumar Amarayil Sreeraman (Assistant Professor)	Economics of Environment & Natural Resources, Economics of Renewable Energy, Banking, Industrial Ecology and Sustainable Development, Retail Economics, Mobility Choices	Energy efficiency and consumption paradox among urban households, Perceptions over adopting renewable energy as the main source of energy, Trends and Management of NPAs in Indian Banking Industry, Economic Valuation of Environment and Natural Resources, MSME Development and Inter-regional Trade in North East India, Mobility choices in Urban India, Animal Husbandry and Climate Change, retail economics
Prof. Poonam Singh (Assistant Professor)	Competition Policy, Corporate Governance	R&D, Innovation and Competition in Indian Pharmaceutical, Vertical Integration and Innovation, Financial Crises and Business Groups, Block deals in India, Networks in Independent Director Appointments
Prof. Mainak Mazumdar (Assistant Professor)	Applied Econometrics, Development Economics, Industrial Economics, Economics of efficiency and productivity	Growth and Regional Disparity in India, Urbanization in India, Innovation in Indian pharmaceutical industry, Network Economics

Growth of Area and Activities undertaken during the year

Academic

The area has offered core courses as well as multiple elective courses in the area of Economics and strategy

1. PG COURSES

A. Core Courses

Managerial Economics

Strategic Management

Legal Aspects of Business

B. Electives

Economics of Strategy



Industrial Organization

Macroeconomic Policy and Environment

Environmental Economics

Resource Economics

Global Trade and Institutions

International Business Strategy

Business Analysis and Econometric Applications

Mergers and Acquisitions: Strategy, Economic and Human Factors

Valuation and Financial Modelling

2. FELLOW COURSES

Macro Economics

Microeconomics: Theory and Applications

Modern Indian Economy

Econometrics

Research Projects Undertaken

Prof. Binilkumar Amarayil Sreeraman has undertaken a study to assess the stakeholder perceptions over improved conservation and management of Loktak Lake Manipur, in collaboration with Prof. Gyanendra Singh of NIT Mizoram, which is in the Final Stages.

Prof Poonam Singh (with Kavitha Ranganathan) got an acceptance for the paper for a paper “Block Deals, Market Reaction and Monitoring: Evidence from India” under a research grant of \$2000 from NSE-IGIDR Corporate Governance Research Initiative in 2016

Prof. Poonam Singh (with K.S Ranjani and R, Mukundan) received a joint seed grant from NITIE of Rs. 1.8 lakh for the project “Economic and Productivity Analysis of an Application Wrapper Innovation for an Enhanced Digital Payments and Receipts Systems” February 2017

Outreach

Prof. Vijaya Gupta has reviewed an article for Energy Policy, an Elsevier journal.

Prof. Vjaya Gupta, has examined a PhD thesis a student at IIT Bombay

Prof. Vijaya Gupta, is invited reviewer for 7 papers in ICUD 2017 to be held in Prague.

Prof. Vijaya Gupta is invited to be on the editorial board and to be an author of one chapter in the book series on Entrepreneurship in South Asia - a Longitudinal Narrative to be published by Springer

Prof. Vijaya Gupta is the Chairperson of Internal Complaints Committee for Sexual Harassment at Board of Apprenticeship Training (Western Region)

Prof. Utpal Chattoapdhyay has organized one-day Workshop on “Operation Excellence through Effective Leadership” for the MSME members of the Manufacturers’ Association Satara (MAS), at MAS Bhawan Satara, Maharashtra on 2nd June, 2016.

Prof. Utpal Chattopadhyay has Delivered a lecture on “Fundamentals of Economics for Competition Law” at Indian Merchant Chamber Church Gate Mumbai on the invitation of Indian Institute of Corporate Affairs (IICA), Manesar on 10th November 2016.

Prof. Utpal Chattopadhyay has chaired a conference session titled "Consumer Behaviour" (held on 10th February 2017, 10.0 am to 12.30 am) at the 12th SIMSR Global Marketing Conference organized by K.J. Somaiya Institute of Management Studies & Research, Mumbai during 9-10 February, 2017.

Prof. Som Sekhar Bhattacharyya was a visiting research scholar to National Research University (NRU), Moscow, Russia, September, 2016

Prof. Som Sekhar Bhattacharyya is a reviewer to Emerald, Inderscience and Elsevier journals.

Prof. Binilkumar Amarayil Sreeraman has taught a full course on Managerial Economics to PGDM



students of IIM Lucknow as an adjunct faculty from June to September 2016

Prof. Binilkumar Amarayil Sreeraman is co-supervising a PhD student in NIT Mizoram in the area of Natural Resource Economics.

Prof. Binilkumar Amarayil Sreeraman has been acted as a reviewer of Managerial Economics Text Books for Oxford University Press India

Prof. Binilkumar Amarayil Sreeraman has been acted as a reviewer of Managerial Economics Text Books for Pearson India Publishers

Prof. Poonam Singh was invited as a discussant for NSE-IGIDR Corporate Governance Research Initiative for the period July 2015 to August 2016

Prof. Poonam Singh was invited as discussant for Emerging Market Finance Conference, December 16-18, 2016

Prof. Poonam Singh has taught a course on Theory of Institutions to at the European Masters in Law and Economics Programme (EMLE) at IGIDR, April-May 2016 as a Visiting Faculty

Prof Poonam Singh was invited as an expert

panelist in Competition Commission of India (CCI) for Workshop on Competition Law and Policy, November 18-20 2016

Prof. Poonam Singh was invited as an expert panelist in panel discussion on Abuse of Dominance in Competition in 8th Government Law College International Law Summit, February 3-5, 2017

Prof. Poonam Singh acted as a reviewer for Journal of Quantitative Economics, Springer, 2017

Prof. Mainak Mazumdar is supervising a PhD student in IIT Jodhpur in the area of Network Economics.

Achievements

Prof. Utpal Chattopadhyay, has won the Sage Best Case on South Asian Perspectives for the Case titled "HMT Watches Ltd: Behind the Times" presented at the International Conference on Management Cases , Dec 1-2, 2016 at Birla Institute of Management Technology, Grater Noida. The award was sponsored by Sage Publications and it involved cash prize of INR 10,000 and a citation.

Prof. Vijaya Gupta, 2016, Bharat Excellence Award, from Friendship Society of India



FINANCE AND ACCOUNTS

a) **Introduction to the area:**

Finance and Accounting Area brings rich insights into students' perspectives enabling them to have a wholesome financial understanding of business. Besides being an important business function, the area adds value to training and consulting initiatives of NITIE. The Area is an important stakeholder in the Excellence Centre for SME competitiveness and Entrepreneurship. Given the vision of the Institution to be a knowledge partner to industries Finance and Accounting area is poised to play a vital role because of the applied research focus of the area.

b) **List of Area members and their specialization:**

Currently, the area has four faculties, each of them pursuing diverse research interests in their respective areas of interest. Following are their details.

S.No	Faculty	Focus Area	Spectrum of Work
16.	Prof. Venkateswarlu (Professor)	Risk Management Corporate Finance Quantitative Finance Regulatory Risk, Cost of Capital and Valuation Project Finance	Teaching, Training & Research Teaching, Training & Research Research Teaching
17.	Prof. K. S. Ranjani (Assistant Professor)	Accounting Financial Inclusion Project Finance	Teaching, Training, and Research Training and Research Teaching and Research
18.	Prof. Vipul Kumar Singh (Assistant Professor)	Financial Engineering, Applications of Derivatives in Project Management, Financial Markets	Teaching, Training, and Research
19.	Prof. Ajaya Kumar Panda (Assistant Professor)	International Finance and Trade, Financial Economics and Applied Econometrics	Teaching, Training, and Research



c) **Growth of the area and activities undertaken during the year:**

- I. **Academic:** In addition to the core courses, the area also offers numbers of electives to the students. Being small in size it always remains challenging for the area to offer new electives year-on-year. However, in AY 2016-17 area has offered two new electives, heavily subscribed by the students. Prof Ranjani offered Strategic Cost Management, while Prof Vipul offered Financial Time Series Modeling.

Following is the list of Core and Electives courses currently on roll of the area

Core Course

Financial Accounting

Course Objective: To orient students to accounting, make them aware of the basic concepts in accounting, enabling them to understand the accounting process and understanding Financial Statements.

Financial Management

Course Objective: Financial Management involves the study of different models of corporate financing and governance followed by several domestic and global firms. This course aims to give the basics of financial management and its environment to the participants. The course also aims to familiarize participants with the significant areas of corporate finance- investment, financing and distribution of income.

Electives

Investment Analysis and Portfolio Management

This course focuses on the investment decision-making from the perspective of the portfolio manager. Topics covered include the process of creating, maintaining, and evaluating the performance of professional investment portfolios. The course is designed for upper-level finance majors to provide them with advanced skills in equity and fixed-income portfolio construction and management, asset allocation, as well as cover advanced topics such as professional asset management, and alternative investments.

International Trade and Forex Management

Course Objective: The course attempts to present a comprehensive view of the theories and the practical implications of various issues of the exchange rate and its management. It also deals with the models of exchange rate determination, International parity, and foreign exchange risk management aspects. The subject aims at preparing students to commence a fulfilling and effective carrier in forex management and International finance professions.

Derivatives

Objectives of the course: The course primarily aims to acquaint participants/students with the basics of different types of financial derivatives instruments and focuses on various standardized derivative instruments traded globally. This course covers the fundamentals of financial derivatives instruments and their application for the pricing of different financial derivatives



instruments. The specific objectives are as follows: To introduce the concepts of derivative and pricing mechanism. To illustrate the application of financial derivatives. To integrate the understanding of roles of the forward, futures and options contracts. To investigate interlinking of derivative products and risk management.

Financial Risk Management

Objectives of the course: This course deals with how risks are quantified and managed by financial institutions. Among the topics covered are the nature of financial institutions and their regulation, market risk, credit risk, operational risk, liquidity risk, and the credit crisis of 2007.

Financial Time Series Modeling

Objectives of the course: To introduce the concept of regression and to apply OLS (ordinary least square) method in Finance using Eviews or Excel. To able to identify the reasons as to why OLS (ordinary least square) method of regression will not always suffice for an analysis of time series data. To study dynamic structures and relationships between financial variables. To carry out step by step process to identify the properties of a time series data by using EViews or Excel. To be able to forecast to predict asset returns like treasury yield, corporate bond yield spread, etc. To introduce the concepts of ARCH, GARCH, VAR, ECM modeling.

2. Research:

F&A area is looking forward to publishing quality research papers indexed in Scopus and Web of Science. In short to the long run area would like to collaborate within and outside the area and produce research that would be multi-disciplinary.

3. Outreach:

- 1) Dr. Ajaya Kumar Panda (with Bibekananda Panda, Chief Economist, SBI) received grant of INR 2.50 Lac from Indian Institute of Banking and Finance (IIBF), Mumbai for completing the research/ study on “Corporate Financing Options in India: Banking vs. Capital Market”. Present Status: Final report submitted, Evaluation report awaited.
- 2) Dr Vipul Kumar Singh received the approval of company named “Zerodha” for working on field Case Study entitled “Zerodha: Transformation of Indian Share Broking Industry”, sponsored by: Case Development Centre, NITIE, Mumbai. Present Status: On progress.

g) Any achievement of area members/area

Dr Vipul Kumar Singh got the best research paper award for the Research Paper titled “Interdependence Dynamics of Commodity Derivatives and Macroeconomic Factors: Evidence from India” in International Conference on banking & Finance, ICBF 2016, held at Chitkara University, Punjab. (Co-authored with Prof Sriram Purankar from Jaypee Business School, Noida).

MARKETING

a) Introduction to the area (including Objectives):

The Marketing Area is one of the pivotal areas of the Institute, contributing to post graduate teaching and research.

The key stakeholders of the Marketing Area are the Post Graduate and Fellow Students at NITIE, the industry and researchers including Faculty and Fellow students in the area of Marketing and allied disciplines.

The major objectives of the area are as follows:

- Teaching, research, training and consultancy in Marketing domain
- To gain expertise in niche areas of Marketing and become thought leader in that particular Marketing domain through publication and other research related activities.
- To develop leading research Centre in select marketing areas

b) List of Area members and their specialization (In no specific order):

Sr. No.	Name of the faculty (in Alphabetical Order)	Research Specializations
1.	Prof. Manoj K. Jha	Marketing Management, B2B Marketing, Marketing Research, Marketing Strategy
2.	Prof. Neeraj Pandey	Pricing, Digital Marketing, B2B Marketing, Marketing Research, Services Marketing
3.	Dr Ranjan Chaudhuri	Retailing, Marketing at the Base of the Pyramid, Strategic B2B Marketing
4.	Prof. Rekha D. Chikhalkar	Social Media Marketing, Marketing Research, Marketing strategy for Consumer product
5.	Prof. Sanjeev Verma	Services Marketing, Consumer Behaviour, Green Marketing, Social Marketing, Social Media Marketing

c) Growth of Area and activities undertaken during the year:

The Marketing Area is one of the most research productive areas of the Institute. An illustrative list of the completed and on – going research projects is listed herein.

Sr. No.	Name of faculty	Project title	Funding agency	Status (Ongoing/ completed)
1.	Bhimrao Ghodeswar (Retd. In March 2017)	“CSR Initiatives in Empowering Low-Income Communities”	British Council	Completed



Sr. No.	Name of faculty	Project title	Funding agency	Status (Ongoing/completed)
2.	Bhimrao Ghodeswar (Retd. In March 2017)	“Study of Attributes and Associations in Building Service Brands”	NITIE, Mumbai	Completed
3.	Bhimrao Ghodeswar, Manoj K Jha, Sanjeev Verma, Neeraj Pandey	“Adoption of Solar Products in Rural Households of Western Maharashtra”	NITIE, Mumbai	Completed (in 2014) (Won 1 st Prize)
4.	Neeraj Pandey	“Developing a Multi-item Scale for Measuring Social Networking Sites (SNS) Promotion Effectiveness”	NITIE, Mumbai	Completed
5.	Ranjan Chaudhuri	“Value Analysis of Onion Supply Chain”	NITIE, Mumbai	Completed
6.	Sanjeev Verma	“Determinant of Behavioural Intention to use Social Media for Expressive Participation”	NITIE, Mumbai	Completed

1. Academic

The Marketing Area provides rich academic input in the various PGP teachings at the Institute. Prominent amongst them are listed as follows:

- Advertising
- Brand Management
- Digital Marketing
- Marketing Research
- New Product Development
- Retail Management
- Sales and Distribution Management
- Strategic Marketing
- B2B Marketing
- Consumer Behaviour
- Global Marketing
- Marketing of Hi-Tech Products
- Pricing
- Rural Marketing
- Services Marketing

2. Research

The strength of an Area lies in its research, publications in leading Journals and Doctoral program. The Marketing Area contributes to cutting edge research cutting across disciplines in Marketing Sciences. The research focus of the area in the next three areas is focused on the following core areas:

- *Marketing Analytics*
- *Retail Supply Chain Management*
- *Consumer Behaviour*
- *Services Marketing*
- *Online Marketing*



The research and publications of the Marketing Area Faculty Members in the preceding academic year are listed below.

The Marketing Area Research Scholars and their areas of research are listed below.

Sr. No.	Fellow Student	Supervisor/s	Research Area	Status
1.	Jayant Brahmane	Bhimrao Ghodeswar	Marketing Capabilities	Awarded
2.	Prashant Kumar	Bhimrao Ghodeswar	Green Marketing	Completed
3.	Rajesh Holmukhe	Bhimrao Ghodeswar	Service Quality in Power Sector	Awarded
4.	Ram Komal Prasad	Sanjeev Verma and Manoj K Jha	Service Management	Awarded
5.	Pragati Priyadarshinee	Manoj K Jha	Information Technology, Strategy, Marketing,	Ongoing
6.	Avadhut A.Patwardhan	Neeraj Pandey and S. M. Dhume	Pharmaceutical Marketing	Awarded
7.	Mugdha Keskar	Neeraj Pandey	Customer Satisfaction Index	Ongoing
8.	Gaganpreet Singh	Neeraj Pandey	Price Premium	Awarded
9.	Jayakrishnan	Ranjan Chaudhuri and Rekha D. Chikhalkar	Private Labels in Modern Retailing	Awarded
10.	Ritu Sinha	Ranjan Chaudhuri and S M Dhume	Green Retailing	Ongoing
11.	Chiranjivi Panda	Rekha D. Chikhalkar	Social media	Ongoing
12.	Siddharth Tripathi	Sanjeev Verma	Social Media in Promotion of NGO	Ongoing
13.	Avinash Tripathi	Sanjeev Verma and Upasana Agarwal	Sustainable Consumption	Ongoing
14.	Murgesh Pattanshetti	S. M. Dhume and S. S. Kamble	Marketing	Awarded
15.	Vineeta Singh	Ranjan Chaudhuri and Sanjeev Verma	Online Consumer Behaviour	Ongoing
16.	Mukesh Kharat	M K Jha and Rekha Chikhalkar	Marketing	Ongoing
17.	Neha Yadav	Rekha D. Chikhalkar	Marketing	Ongoing
18.	Gitesh Chavan	Ranjan Chaudhuri	Marketing	Ongoing



3. Outreach (including building Institutional linkages)

The extension and outreach activities outside the Institute constitutes a core focus of the Marketing Area Faculty Members. A representative outreach and extension activities of Area representative, Dr Ranjan Chaudhuri is listed below.

- * Member, Expert Committee, All India Council for Technical Education, Government of India: June 2016 – onwards
- * Board Member, J N Tata Endowment Fellowship, Tata Sons, June 2016 – Onwards
- * Member, Board of Studies, National Institute of Technology, Agartala, Tripura: October 2014 – onwards
- * Member, Board of Studies and Research, Institute of Engineering and Management (IEM), Kolkata: June 2008 – onwards
- * Member, Board of Studies (Marketing Area), Durgadevi Saraf Institute of Management Studies, Mumbai: April 2014 – onwards
- * Member, Research Advisory Committee, Aligarh Muslim University, September 2014 – onwards
- * Member, Doctoral Program Committee, NMIMS University, Mumbai, June 2012 – onwards
- * Member, Fulbright Selection Committee, Fulbright Commission, US Department of State India Office, New Delhi, January 2013 – Onwards
- * Visiting Scholar, Center for Academic Excellence, Miles College, Birmingham, Alabama, Department of Homeland Security, USA: September 2012 – October 2013
- * Visiting Scholar, Hogan Entrepreneurial Leadership Program, Chaminade University, Honolulu, Hawaii, USA: August 2012 – Onwards

g) Any achievements of area members/area

The Marketing Area also contributes to UBPs/MDPs across diverse disciplines in the domain of Marketing Sciences and the same has been well appreciated by the industry.



ORGANIZATIONAL BEHAVIOUR AND HUMAN RESOURCE MANAGEMENT

a) Introduction

Though your Balance Sheet is a model of what balances should be Typed and ruled with great precision in a type that can see; Though the grouping of the assets is commendable and clear, And the details which are given more than usually appear, Though investments have been valued at the sale price of the day, And the Auditors Certificate shows everything O.K. One asset is omitted and its worth I want to know, the asset is the value of the people who run the show.

Sir Mathew Webster Jenkinson

We value and appreciate people who run the show. There has been a tendency that engineers pay more attention more to the technical aspects of work sidelining related human issues. Such tendency leads to pejorative classification of people and processes as soft and hard issues respectively.

We as an Organizational Behaviour and Human Resource Management area claim that for successful accomplishment of work, both people and processes are equally important. In the context of technical processes, we are determined to understand and deal with various people related challenges and issues. We as an organizational behaviour and human resource management area strive to meet the affective, behavioral and cognitive requirements of our students and executives, who joins short term programmes at NITIE. This area aims to develop engineering, managerial and leadership capabilities of students and executives through specific focus on behavioral and HR functional aspects of organization.

b) List of Area members and their specialization

SN	Faculty	Focus Area	Spectrum of Work
1.	Prof. D.K. Srivastava	HR& OB, Principles of Management	Organizational Structure & Performance, Training & Development
2.	Prof. S.K. Nair	OB & HR, Psychology	Personality, Leadership, positive psychology, Job redesign and work motivation, creativity
3.	Prof. T. Prasad	Principles of organisation and Management, Entrepreneurship	Entrepreneurship, Developing entrepreneurial personality
4.	Prof. N.K. Mehta	Communication, Ethics	Communication Challenges in institutional areas of interest, Interpersonal processes, Emotional Intelligence, Bhagavad Gita, Culture
5.	Prof. S. Jha	OB and HR, Soft Skills Development	Leadership, Competency management, Organizational health and employee empowerment
6.	Prof. U. Agarwal	OB and HR, Communication, Career development	Work Events (Psychological contract, Workplace Bullying), Affective states (Emotions, EI, Trust, Justice, Organizational Politics) Gender, Work-Life Integration, Managing Individual Careers; Leadership; Innovativeness; Work Engagement

c) Growth of Area and activities undertaken during the year



1. Outreach

- Faculty members in the area participated and conducted 8 Management Development programmes with collective engagement of 208 Hours bringing 66 participants
- Faculty members in the area participated and conducted 13 Unit Based programmes with collective engagement of 176 Hours bringing 268 participants.

2. Achievements of Area Members/Area

- Prof. D. K. Srivastava received best presentation award at 18th International Conference of Human Resource Development and Management at Zurich, Switzerland
- Prof. D.K. Srivastava chaired a session in 18th International Conference of Human Resource Development and Management at Zurich, Switzerland.
- Prof. S.K. Nair received Best Faculty National Education Award (2016) –General Management from ABP News
- Prof. T. Prasad received 16th Jagadguru Shankara Charya National eminence Award in the field of Education was conferred.
- Prof. N.K. Mehta received First Best Faculty-Student Development Dev Bhattacharyya Award from NITIE Alumni Association.
- Prof. Sumi Jha received Best Paper Award for her study “Unearthing Organizational Health Determinants for Effective Globalization of an Indian Organization” at FORE International OB & HR Conference 2016 (FIOHC)

3. Photographs



Soaring Eagle Workshop conducted by NITIE Centre for Communication Studies



Prof. S.K. Nair received Best Faculty National Education Award (2016) –General Management from ABP News



Prof. N.K. Mehta received First Best Faculty-Student Development Dev Bhattacharyya Award from NITIE Alumni Association.



Global Leadership Experience: Date: 22nd to 25th November 2016 (22nd - 23rd Nov at IIT Bombay and 24th - 25th Nov at NITIE Mumbai)



INDUSTRIAL ENVIRONMENT LAB

The lab *Industrial Environment laboratory* was established in 1990 with the focus on research in the area of industrial pollution control. With the growing impact of industrial processes on environment, impact assessment of these operations on air, water and soil environment becomes inevitable. To meet the above requirements, the industrial environment lab conducts monitoring of water, air quality and noise quality. It is also equipped for conducting analysis of environmental samples and for demonstration of environmental instrumentation to students and researchers.

Objective -

The lab is headed by Dr Hema Diwan

The lab has faculty members (NA), Fellow students (NA)

Part time Research Associates, (NA) Full time Research Associates, (NA)

Part time Research Assistants, (NA) Full time Research Assistants, (NA)

Technical Staff (Shri Dilip V Chavan) (MTS), research funding received (NA).

Lab R&D Activities: Project activities - Institute Sponsored & Industry Sponsored

Institute Sponsored Projects: NA

Industry Sponsored Projects: NA

Consultancy Projects: NA

(1) Physical Facilities available in the centre:

Incubator	Oven	Water Bath	Muffle Furnace	Weighing Balance
Balance OLD	Autoclave	COD Digester	Noise Dose Meter	Audio Meter
Sound Level Meter	Noise Dose Meter			

(2) LAB Outcomes:

- Lab facilities are used to provide demo to PGDISEM students for courses related to water and air management
- Research scholars use the instrumentation facilities for their research work, sampling, analytical and wet lab work

(3) Intellectual Property Created: NA

(4) No. Conferences I workshops organized: NA

Ongoing Completed: NA



ENVIRONMENTAL ENGINEERING LAB

The Lab for Environmental Engineering was established in 1995

Objectives of the Lab: It was set up to carry our various research and sampling activities in the area of Environmental Engineering and Management

Coordinator of the Lab: Prof. Seema Unnikrishnan

Technical Staff in Lab: One MTS, Dilip V.Chauhan

R&D Activities:

Project activities – Institute Sponsored & Industry Sponsored - NA

Physical Facilities available in the Lab: The lab is well equipped with the UV spectrophotometer, Gas Chromatograph, High Volume sampler and Total Organic Carbon Analyser.

Lab Activities During the Year:

Demonstration of equipment's to Post graduate students of the Industrial Safety and Environmental Management Course, Facilities used for the sampling and analysis studies by the fellow students of NITIE.

Intellectual Property Created: Nil

No. Conferences / workshops organised : Nil

PHYSICAL ERGONOMICS LAB

The Lab was established in 1984 with the objective of conducting PGP projects, fellow student’s research and industrial consultancy

The Lab is headed by the Prof. In-Charge, Physical Ergonomics Lab, Prof. Rauf Iqbal

The Lab has 01 faculty members, 02 Fellow students, 01 full time Research Assistant,

97.0 lakhs budget for 2017-18.

Lab R&D Activities: Project activities – Institute Sponsored & Industry Sponsored

	New Projects	Ongoing	Completed
Institute Sponsored Projects	01	01	-
Industry Sponsored Projects	-	-	-
Consultancy Projects	01	01	-

(1) Physical Facilities available in the centre: Equipment for ergonomics research

(2) Centre Outcomes: Publications – 04, Conference presentation – 07, Fellow awarded - 02

(3) Intellectual Property Created: Patent communication – 01

(4) No. Conferences / workshops organised: –



Fig 1: EMG analysis



Fig 2 & 3: Human movement analysis



Fig 4: Rehabilitation therapy



PSYCHOLOGY LAB

The Psychology Lab was established in 1998 under the MHRD's Modernization and Removal of Obsolescence Scheme, 1997 with the objective of creating a repository (archive) of psychometric tests which can be used for psychological assessments of the students. This was envisaged to help in achieving the holistic development of the students in respect of their managerial competencies including their overall personality, interpersonal skills, leadership skills, group behaviour, and stress management.

The Lab is headed by a Coordinator having doctoral degree in Psychology and practical experience in psychological testing. The present Coordinator is Dr. S. K. Nair, Professor.

The centre has ...Nil... (no.) faculty members, ...Nil... (no.) Fellow students, ...Nil... (no.) Part time Research Associates, ...Nil.... (no.) Full time Research Associates, ...Nil... Part time Research Assistants,...Nil... (no.) Full time Research Assistants, ...Nil...(no.) Technical Staff and ...Nil...research funding received.

Centre / Lab R&D Activities: Project activities – Institute Sponsored & Industry Sponsored

	New Projects	Ongoing	Completed
Institute Sponsored Projects	–	–	–
Industry Sponsored Projects	–	–	–
Consultancy Projects	–	–	–

- (1) Physical Facilities available in the centre: (a) Psychometric/psychological tests for assessment of intelligence, personality, and other psychological dimensions – 71 nos.; (b) Apparatus/Equipments/Materials for conducting experimental research in human cognition, learning and perception as well as for demonstrating certain psychological phenomena – 42 nos.
- (2) Centre Outcomes: (a) Helping the Faculty as well as Fellow students working in the area of OB and HRM to use the psychometric tests and questionnaires for their research; (b) Using the tests for PGP and MDP/UBP class-room teaching by the OB and HR faculty, (c) Using the psychometric tests in the classroom as a part of the self-awareness and skill-building exercise. These tests are used to help the students in having a proper understanding of their soft skills, attitudes and overall personality. The PGP courses for which the psychometric tests in the Psychology Lab are used include core courses such as organizational Behaviour & Human Resource Management and Business Communication as well as elective courses such as Positive Psychology in Organization, Cognitive Psychology, Theories & Assessment of Personality and Soft Skills Development.
- (3) Intellectual Property Created: Research papers of faculty and fellow students using the psychometric tests.
- (4) No. of Conferences / workshops organized: N.A.



LIBRARY

The National Institute of Industrial Engineering (NITIE) Library is a learning and knowledge resource centre for the academic community since 1965. Keeping in view the increasing collection and services of the library, in 2016 library moved in the new premises at “Academic cum Library Building” with more space and facilities at three floors. The complete new library is centrally air-conditioned with proper light, secure wifi and other fundamental amenities. These all has made the library a happening place and comfortable for sitting study.

The NITIE Library is enriched with the intellectually stimulating collections of Technical Books, Reference books, Journals (including print & online) and Electronic databases in the fields of Industrial Engineering and its allied subjects. Since the Institute is with a residential campus, the library plays a key role in providing information to staff, officers, and students.

The objective of NITIE library is to facilitate creation of new knowledge through acquisition, organization and dissemination of knowledge resources and providing value added services. The total collection of library is around 81500 books, which include Reference Books, Bound Volumes of Journals, Light Reading Books (in Hindi, English & Marathi Language) and Complimentary Books.

The Library collection as on 31st March 2017:

- Technical Books : 56854
- Light Reading Books : P7964
- Hindi Books : H2847
- Marathi Books : M855
- Complimentary + Free Books : C1392
- Technical Journals : 197 (85 Online; 57 Print + Online; 55 Print)

- Semi technical, Light Reading : 30 Journals & Magazines
- Bound Volumes : J11682

Library also has a rich coverage of 16 newspapers. Along with English newspaper it also subscribes regional language newspapers such as Hindi, Marathi, Gujarati, Tamil and Telugu.

The library subscribes to a number of important e-Journal & other databases:

- CMIE (ProwessIQ; Industry Outlook; Economic Outlook & States of India)
- Ebsco (Business source Complete)
- Emerald Management extra 298
- Euromonitor : Passport
- Gartner
- IMD World Competitiveness
- Indiatat
- Science Direct (Business Management & Accounting; Decision Science & Environment Science)

NITIE is a CFIT member of “e-ShodhSindhu Consortium”, an initiative of MHRD. From last year the MHRD has formed “e-ShodhSindhu Consortium” merging the three consortia initiatives, namely UGC-INFONET Digital Library Consortium, NLIST and INDEST-AICTE Consortium. Through e-ShodhSindhu Nitie Library get the following e-resources:

- ASME Journals Online
- EPW (Economic Political Weekly)
- IEEE (ASPP+POP)
- Institute for Studies in Industrial Development (ISID)- Bibliographic Database



- JSTOR
- Nature
- Oxford University Press
- Proquest- ABI / Inform Complete
- Web of Science (scientific citation indexing service)
- JGate plus (JCCC) - electronic gateway to global e-journal literature

Library provides above resources through wide network including Library catalogue OPAC (Online Public Access Catalogue) 24 X 7 within the campus. Library uses the LIBSYS software package for library management and the Webcentric up-gradation version is in process. It has Bar code technology with 3M security system.

Currently, Library is managed by a team of 4 professionals, 5 semi professionals and 3 administrative staff. They collectively handle the important library activities like Collection

Development, Collection Maintenance, Circulation, Reference and other Information Service.

Following are the library services:

- Book lending
- Reference
- Photocopy
- Inter-library loan
- Overdue alert
- CD-Mirroring
- HBS Case Studies
- Textbook procurement & distribution to PGP students
- Subscription to Turnitin (plagiarism) software

Library operates from 9:00 am to 10:00 pm from Monday to Friday; on weekend the timings are from 11:00 am to 7:00 pm. Library is open throughout the year except on Institute Holiday.



COMPUTER CENTRE

The Institute is equipped with the State of Art Computer Hardware and Software to meet its varied requirement of teaching training research, consultancy and developments. More than 400 personal computers with a wide range of processor, hard disks, monitors, keyboards, mouse and printers are maintained and kept very high uptime to various users. The networking system supports Internet Web surfing and E-mail services. Post Graduate students of Industrial Engineering, Industrial Management, Industrial Safety and Environmental Management and Information Technology Management are being highly benefited in their assignments and projects handling. The latest versions of software like SPSS ver. 21.0, Stata, Statistic ver. 7 x and Systat Clementine Primavera have been made available for various users at the Institute along with the Microsoft University Alliance Programme and SAP University Alliance Programme.

The Institute has gone into an agreement with Microsoft for their Microsoft Campus 3 subscription enrollment where in all users at Institute will use licensed Microsoft products.

The Institute has also procured anti-virus software with online support for 3 years against spam, spyware etc. and protecting the entire network from virus attacks.

Faculty Members and Officers at various departments have been provided with 4GB/8GB Pen Drives and USB based external portable HDD of 500GB/1TB. All Faculty Members have been provided with Laptops also.

Various printers like LaserJet Printers and multifunction Printers have been procured and installed at Faculty Member rooms and departments for their printing needs.

The Institute has one IBM server along with licensed software 3-db2 8.2 and WAS 5.1 under IBM special scheme for Educations Institutions.

Wi-Fi connection has been provided in all the 5 Hostels so as to enable students to have the facility of internet in their rooms and around the Hostel.

The Institute has procured around 60 laptops with sufficient amount of RAM and Hard disk to support the various applications and assist Faculty Members in class rooms/conducting UBP Programmes etc.

The Institute has procured Cisco Switches with a view to improve the existing networking infrastructure and provide optimal usage of the internet services to various users. Currently the Institute is utilizing the services of M/s. Railtel Corporation (8 Mbps Radio frequency) and 155 Mbps from Power Grid Corporation of India for providing bandwidth to the Institute. The Institute is also equipped with a Firewall of M/s Checkpoint.

Institute has Video Conferencing Equipment (Polycom) along with 3 BRI lines from MTNL which will facilitate in the placement of students.

The Centre has assisted all the users, PGP students, Fellowship Scholars, Faculty Members and the supporting service departments in their development works. The center facilitates uploading of various information like tender notices, students' results, MDP Programme schedules etc. on to Institutes web site. The Programme Section, Academic Section, Accounts Section, Administration Section, Placement Section and Library have been largely benefited from the Center's support. Maintenance of all Computer Equipments, LCD Projectors, Operating Systems and Application Software, are primarily supported by Computer Centre.



ADVANCED MANUFACTURING CENTRE OF EXCELLENCE (AMCE)

AMCE (Advanced Manufacturing Centre of Excellence) – A DST project under FIST (Funds for Improvement of Science and Technology) – was established at NITIE during 2006 -07. It includes facilities like CNC Lathe, CNC Mill, Robots, AGV, ASRS, Automated Assembly & Inspection System, RP machine, Pro/E , Witness Simulation software. Most of these facilities are operated through computer controlled and are high end integrated facilities which demand a very good domain knowledge of computer interface with machines and programming of CNC, & Robot to create an environment like CIM & FMS. Due to technology advancement in the software and hardware a proposal for “*Upgradation and Human Resource Requirement of AMCE*” was submitted and accordingly following activities were carried out.

- ❖ Recruitment process for hiring a Project Engineer (Technical) for the AMCE has been carried out and he joined AMCE in the month of February 2015.
- ❖ Up-gradations of FMS / CIM facility in the AMCE is in progress and is expected to be completed soon.
- ❖ Two Robots and One AGV transported to MTAB Engineers Pvt. Ltd., Chennai for its complete refurbishment.
- ❖ Raw material for ZPrint 310 Plus Printer (Rapid Prototyping system) has been procured and a number of prototype models were produced to demonstrate the technology.
- ❖ The 3D Printing technology of ZPrint 310 Plus Printer (powder based prototype production directly from 3D CAD model) was demonstrated to all the First Year students of NITIE (2015-17 batch). Similarly, many faculty and industry guests were also shown the demonstration of this technology.
- ❖ Reverse Engineering technology (3D scanning technology for creating 3D CAD model directly from the physical model) was demonstrated to First Year (2015-17) PGDMM students.
- ❖ Three month internship project was hosted by AMCE for an international student Mr Maxime MONTAY from ÉcoleCentrale de Lille, Lille, France. He worked on “Rapid Product Development” in the AMCE from May, 18th to August, 21th 2015.
- ❖ 3D printed Memento of NITIE logo was given to the guests of Manufacturing Conclave Program.
- ❖ A technical research paper on internship project carried out by Mr Maxime MONTAY from ÉcoleCentrale de Lille, Lille, France is in progress.
- ❖ Three month internship project was hosted by AMCE for one student from SGGS IE&T, Nanded. Internship is based on “Cost Estimation Techniques for RP Product” in the AMCE from January, 18th to April, 17th 2016.
- ❖ One day Continuous Education Program (CEP) on “Rapid Prototyping and Its Applications” was held by AMCE on 27th February 2016.
- ❖ Three month internship project was hosted by AMCE for an international student Mr Corentin KIRBILLER from ÉcoleCentrale de Lille, Lille, France. He is working on “Manufacturing Analysis and Simulation” in the AMCE from May, 16th to September, 10th 2016.



CENTRE FOR MIND 2 MARKET

The centre for Mind 2 Market (M2M) was conceptualised and approved in May, 2016 with the objective to *provide a seamless and integrated centre that would enable the NITIE students to visualise, translate and transfer their ideas and prototypes into successful solutions designed to improve the productivity and efficiency of the industry.*

New products are originated from simple ideas, they are then converged with sufficient technical and economic support. M2M provides cross-functional clarity and building multidisciplinary capabilities in its students becomes a foremost differentiator for NITIE.

The centre is headed by the Centre coordinator Prof. (Ms.) Karuna Jain. Currently, the centre has 5 (no.) faculty members, and 1 (no.) Full time Research Associates.

Details of M2M Members: Profs. Vivekanand Khanapuri, Rauf Iqbal, Sanjeev Verma, Vivek Khanzode and Mukundan R.

Centre / Lab R&D Activities: Project activities – Institute Sponsored & Industry Sponsored

	New Projects	Ongoing	Completed
Institute Sponsored Projects	3*	0	0
Industry Sponsored Projects	1*	0	0
Consultancy Projects	0	0	0

* Under discussion

^a 3 topics are smart.

(1) Physical Facilities available in the centre

The physical infrastructure has three components – computing machines, various electronic devices and sensors. As on date of this report, M2M has initiated procurement of one workstation and 10 desktop systems with high end graphics for using the 3D Experience Cloud Platform of Dassault Systemes.

Initiated purchase of IOT kits and associated sensors.

Initiated purchase of Configurable of LEGO kits – EV3, Wedo kits for manufacturing systems simulation and modelling.

Software Available:

Procurement of 3D Experience from Dassault Systemes has been initiated. This includes modules for product design (CATIA), factory design and layout (SIMULIA), ergonomic analysis (DELMIA), project management and systems engineering (ENOVIA) and trend analysis. A total of 18 licenses are available for the students to utilise.

(2) Intellectual Property Created: NONE.

(3) No. Conferences / workshops organised:

NONE. Centre outcome will start post deployment of infrastructure

The centre visualises its outcomes from two routes: One, from set of projects and activities done at the centre. Two, M2M acts as the platform for the various courses of all PGP and Fellow programmes. M2M acts as the playground for any student to build his or her idea into trial.



CENTRE FOR SUPPLY CHAIN MANAGEMENT (CSCM)

The centre for CSCM was established in April 2014 with the objective of carrying out specialized theoretical and applied research on Supply Chain Management with participation by a multidisciplinary faculty and industry practitioners.

The centre is headed by the Centre coordinator: Prof. Ravindra Gokhale (since May 2017)

The centre has 6 (no.) faculty members, Nil (no.) Fellow students, Nil (no.) Part time Research Associates, Nil (no.) Full time Research Associates, Nil Part time Research Assistants, Nil (no.) Full time Research Assistants, Nil (no.) Technical Staff and research funding was not utilized.

(Advertisement for two positions for Research Associates – one for 89 days and one for 1 year has been given for 2017-18)

Centre / Lab R&D Activities: Project activities – Institute Sponsored & Industry Sponsored

	New Projects	Ongoing	Completed
Institute Sponsored Projects	Nil	Nil	Nil
Industry Sponsored Projects	Nil	Nil	Nil
Consultancy Projects	Nil	Nil	Nil

- (1) Physical Facilities available in the centre: As of now nil. To be developed.
- (2) Centre Outcomes: Nil
- (3) Intellectual Property Created: Nil
- (4) No. Conferences / workshops organised: Nil



CENTRE FOR TECHNOLOGY AND INNOVATION MANAGEMENT

The Centre for Technology and Innovation Management was established in 2015. Managing technologies, products, innovations and creating suitable mechanisms is critical for an organization to survive in a competitive world. CTIM bridges “Engineering” and “Management” through focused research, serves as a platform for collaborative research and development and provides a platform for practical application of new ideas.

Centre Objectives:

- To identify future technologies

Institute Sponsored Projects:

New Projects	Ongoing Projects
(A) Research Project	
<ol style="list-style-type: none"> 1. Financial Innovation model to avail small ticket size loans for the rural populations for energy-related products. 2. Identifying products in the DC-based system. 3. Developing sustainability ecosystem for CLEAN technology. 4. Study of water conservation and micro-irrigation technology in India. 	<ol style="list-style-type: none"> 1. Diffusion and Adoption of Mobile Value-Added Service Innovations in rural India (MVAS) (PI- Prof. Ruchita Gupta, Prof. Karuna Jain and RA- Mr Durgesh Jiaswal) – This research project focuses on identifying the factors influencing the adoption of mobile VAS in essential services especially in agriculture in Indian rural context. 2. Management Excellence through Research in Industry (MERIT) (Prof. Utpal and Prof. Mukundan)
(B) Innovation Project	
<ol style="list-style-type: none"> 1. Helmet Designing 2. Smart parking 	<ol style="list-style-type: none"> 1. Project 89 Transform for Potential. 2. Agriculture machine for multi seeder sowing. 3. Smart Building: Making ALB a Smart Building

(1) No. Conferences/workshops organised: 3 (Three)

- i. Management of Intellectual Property Rights and Strategy (MIPS) 2016.
- ii. Workshop on “System Engineering”.
- iii. **MOTI (Pearls of Wisdom in Management of Technology and Innovation)-the Seminar Series on –**

- To create a functional innovation pathway to achieve and deploy the future technologies.
- To develop strategic models to leverage such innovations for the growth of all the stakeholders concerned.

The centre is headed by the Centre coordinator **Prof. Ruchita Gupta**

The centre has

5 faculty members, 2 Full-time Research Assistants.

Centre R&D Activities:

- Triz Philosophy for Innovation Management by Dr Marina Polyakova.
- IOT Platforms, by Shri. Mangesh Patankar. IBM IOT and Cloud Technologies Evangelist and Startup Mentor.
- Competitive Intelligence for Semiconductor Industries was given by Shri. Kishore Malani, Fairchild Semiconductor

**Centre Coordinator:****Prof. Ruchita Gupta**

Prof. (Ms.) Ruchita Gupta is an Assistant Professor in Engineering, Technology and Project Management at NITIE. Dr. Ruchita Gupta has a PhD from the Shailesh J. Mehta School of Management, IIT, Bombay, India. Her research interest

lies in Management of Technology, Technology Forecasting and Assessment, Technology transfer and Commercialization, Adoption and Diffusion of information and communication technologies. She has published her work in the international journals like Decision Sciences, Technology Forecasting and Social Change, and Telecommunications Policy.

Centre Faculty:**Prof. Karuna Jain**

Prof. (Ms.) Karuna Jain is currently Director of National Institute of Industrial Engineering (NITIE), Mumbai. She has three decades of faculty experience at IIT Bombay and was Head of SJM School of Management at IITB. Her research interests span areas

of Strategic Management of Technology, Innovation, Intellectual Property Management, Project Management and Supply Chain Management. Prof. Jain is the recipient of Ramaswamy Cup (2013-14) by Indian Institution of Industrial Engineering (IIIE) in recognition of her outstanding contributions. Recently, she has been felicitated with an Award for Outstanding Contribution to Education, World Education Congress Award, 2015.

Prof. Mukundan R

Prof. Mukundan R is an assistant professor in the ETPM Area. His research and teaching interests lie in the intersection of three domains under Management of Technology – intellectual

property, innovation and technology strategy. In an increasingly complex world and interconnected technologies and systems, how do innovation and

IP dynamically relate? How should we design the technology strategy considering the continuous changes? Mukundan teaches manufacturing strategy, network (industrial IoT) manufacturing, strategic new product development and systems approach to management.

Prof. Shirish Sangle

Prof. Shirish Sangle is a Professor of Sustainable Business at National Institute of Industrial Engineering (NITIE). He worked as a lecturer of sustainable business at the University of Leeds, UK during 2005-2006. Earlier he worked

(1994-99) at National Institute of Environmental Engineering Research Institute (NEERI), Nagpur. His areas of research interests include adoption and diffusion of cleaner technology, innovation for sustainability, stakeholder engagement and strategies for sustainability.

Prof. Utpal Chattopadhyay

Prof. Utpal Chattopadhyay is an Associate Professor at NITIE, Mumbai. Earlier, he had worked with National Productivity Council (NPC), New Delhi and Indian School of Mines (now IIT-

ISM), Dhanbad. He holds PhD degree in Economics from Delhi University. His research interests include Economic Environment of Business, Small and Medium Enterprises, Globalization and Global Competitiveness etc.

Centre Research Assistant:

Mr Durgesh Jaiswal (RA of Project under CTIM, joined in April 2017) B.E. (Electronics) Mtech (Electronics)



Ms Pratima Bhagat (RA under CTIM, joined in May 2017) B.E. (Electronics) M.E. (Electronics and Telecommunication) VLSI and Embedded system



**CENTRE FOR ERGONOMICS AND HUMAN FACTORS
ENGINEERING (CEHFE)**

The centre for CEHFE was established in 4th October, 2000 with the objective of crating facilities for ergonomics research and to solve targeted problems

The centre is headed by the Centre coordinator Prof. Rauf Iqbal

The centre has 01faculty members, 02 Fellow students, 01 full time Research Assistant,

Technical Staff and 97.0 lakhs (budget for 2017-18) research funding received.

Centre R&D Activities: Project activities – Institute Sponsored & Industry Sponsored

	New Projects	Ongoing	Completed
Institute Sponsored Projects	01	01	-
Industry Sponsored Projects	-	-	-
Consultancy Projects	01	01	-

- (1) Physical Facilities available in the centre: Equipment for ergonomics research
- (2) Centre Outcomes: Research findings, Doctoral thesis, Published papers, Training courses, Industrial consultancy.
- (3) Intellectual Property Created: –
- (4) No. Conferences / workshops organised: –



CENTRE FOR GLOBAL COMPETITIVENESS OF MSMEs (CGCM)

The centre for Global Competitiveness of MSMEs was established in 27-03-2014 with the objective of the Centre is to create, accumulate and disseminate knowledge on diverse fields of competitiveness for enhancing economic competitiveness of Indian MSMEs. The specific objectives of the Centre are as following:

- Build talent pools for the MSME sector through awareness creation workshops, training programmes and field visits
- Undertake pilot studies in select MSME clusters and industry groups
- Undertake research in new and emerging areas of MSME competitiveness
- Collaborate with leading international organizations/bodies working in the field of global competitiveness
- Disseminate knowledge through conventional channels like seminars, conferences, roundtable as well as in a user-friendly ICT platform, and
- Serve as a nodal resource centre on MSME Competitiveness

The centre is headed by the Centre coordinator Prof. Mainak Mazumdar. The centre has 5 faculty members, 1 Full time Research Assistant, 1 Technical Staff and Rs. 127.05 lakh research funding received.

Centre Activities: The following activities have been completed by the Centre.

- 1) Subscribed the following electronic databases for use of NITIE Faculty & students:
 - *World Competitiveness Yearbook (WCY) online, IMD, Switzerland*
 - *Capitaline Plus* (Till March 2016)
 - *Gartner Database* (along with Centre for Technology & Innovation Management)

Gartner Inc. is a leading information technology research and advisory company headquartered in Stamford, Connecticut, USA that delivers technology related insight to its clients based world over. The subscription of Gartner database allows unlimited access to Gartner research reports and need based consultation with Gartner analysts

- 2) Organized field visits of NITIE students to Nashik Engineering Cluster (NEC).
- 3) Organized an industrial tour to SM Auto Stamping Ltd., an export-oriented MSME unit at Nashik.
- 4) Enrolled the Centre with MSME Virtual Clusters programme
- 5) Sponsored "Practice Leaders Forum (PLF) 2015" event held at NITIE Mumbai during December 18-19, 2015. PLF is a bi-annual event jointly organized by NITIE and Production Operations Management Society (POMS), USA where MSMEs get an opportunity to share their operations related issues (success as well as pain areas) with larger industries and members of the academia.
- 6) Held discussion meeting with the Manufacturers Association Satara (MAS) and visited a selected industrial unit at Satara to identify the competitiveness challenges before MSMEs of the region.

	New Projects	Ongoing	Completed
Institute Sponsored Projects	-	-	-
Industry Sponsored Projects	-	-	-
Consultancy Projects	-	-	-

Physical Facilities available in the centre: Nil; No separate office/ space is allotted yet to the Centre

Centre Outcomes:

Intellectual Property Created:

No. Conferences / workshops organised:

- Organized an interactive session (of NITIE Students) with a senior executive Mr. Suhas Gokhale from Mahindra & Mahindra Ltd. on "Implementation of Lean Manufacturing Competitiveness Scheme (of Ministry of MSME, GoI) by Mahindra & Mahindra".
- Organized a one-day workshop on "Operations Excellence through Effective Leadership" for MSME units at Satara (Maharashtra). The workshop was attended by 39 MSMEs from Satara region.
- Organized a talk on "Impact of Indirect Taxes on MSMEs with expectations from GST" by Mr. N S Govindan (Tax Expert) at NITIE Auditorium on 09th August 2016



CENTRE FOR ENVIRONMENTAL STUDIES

The centre for Environmental Studies was established in November, 2009 with the objective of Ecosystem management, Business and sustainability development and Environmental Policy Making.

The centre is headed by the Centre coordinator **Prof. Shankar Murthy** (May 2017 onwards)

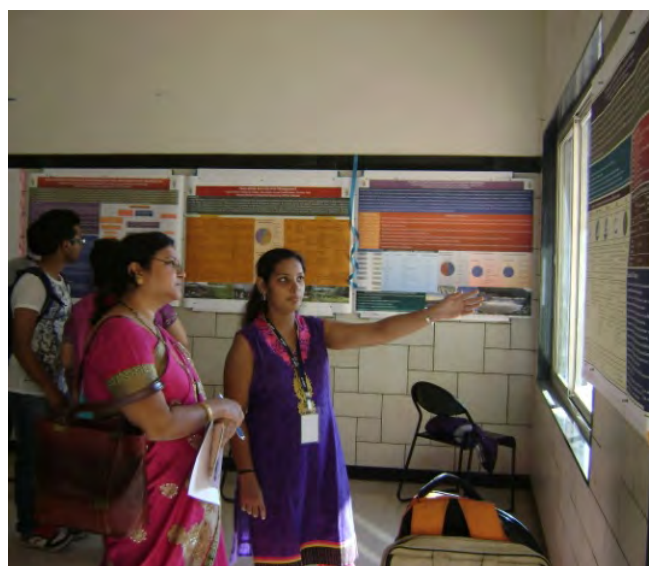
The centre has **five** faculty members, **four** Fellow students, **NO** Part time Research Associates, **zero (post vacant)** Full time Research Associates, **five** Part time Research Assistants, **NO** Full time Research Assistants, **one** Technical Staff and **seventy five lakhs** only (approved for 2016-2017) research funding received.

Centre / Lab R&D Activities: Project activities – Institute Sponsored & Industry Sponsored

	New Projects	Ongoing	Completed
Institute Sponsored Projects	NA	NA	NA
Industry Sponsored Projects	NA	NA	NA
Consultancy Projects	NA	NA	NA

- (5) Physical Facilities available in the centre: NA
- (6) Centre Outcomes: Annexure A
- (7) Intellectual Property Created: NA
- (8) No. Conferences / workshops organised: NA

Photographs:



**WORK IN PROGRESS**

SN	Research Topic	Summary of project working on
1	Using GIS & RS approach for the analysis of mangrove and to show total vegetative cover change in Mumbai	Mangrove forests have played an important role in economic development, protection of the environment and natural biodiversity in coastal regions. However, in recent years, mangrove forests in Mumbai province in specific have reduced significantly. The amount of evidence demonstrated that anthropogenic activities are the main reason for the deteriorating health of the mangrove ecosystem. Using GIS and RS technology, it has been possible to manage and monitor this ecosystem. Ground truthing was also done to determine which kind of anthropogenic stress is been induced on mangroves. LISS images from NRSC were used for classification. NDVI index classification with MLC classifier was performed on two different periods Oct'2008 and Feb'2012, LISS III images to get the respective value from the output. The comparison of both the outcome results with a ground survey of the study area, it has been clear that due to anthropogenic stress induced on mangrove forest along with other vegetation they have deteriorated. The result shows some patches improving while some getting damaged. Overall, immense change between healthy vegetation from the period of Oct'2008 and Feb'2012 is observed.
2	Carbon Disclosure Project and Climate Change	Content analysis was done from the literature review. Top 35 relevant were selected for Vantage point analysis to obtained aduna map. CDP Data was obtained from CDP climate change report 2016. Among 58 Indian companies 51 companies has been responded. Comparative study has been done for 51 responded companies. Scoring and ranking of company as well as overall outline were answered with the help of the Greenhouse gas disclosure index. Statistical model were obtained on the comparative analysis between the reporting companies.
3	Sustainability in to manufacturing practices	A literature review has been done to understand the gap during the implementation of sustainability in to manufacturing practices that has been further investigated using secondary research through sustainability disclosure of the companies. Moreover the survey was conducted across the different automobile companies. On the basis of literature review and the survey conducted we could infer that sustainable product design and sustainable end of life of product gives the most impact on the improvement of sustainability performance. Hence, it is concluded that automobile companies in India are highly focused on the product design and product end of life when implementing sustainable manufacturing practices.



SN	Research Topic	Summary of project working on
4	Life cycle assessment	<ul style="list-style-type: none">• Working on literature review on LCA and rice crop production• One day conference on life cycle assessment at Pune
5	Carbon foot prints	Working on literature review on carbon foot print
6	Critical review of INDCS of BASIC countries in Climate Change mitigation	Evaluated the 'Intended Nationally Determined Contributions (INDCs)' of four BASIC countries. The countries have been evaluated based on the following parameters like the emission Intensity, Base year used, afforestation targets and renewable energy targets etc. A SWOT analysis has been done based on the identified criteria.
7	Potential of Recyclers for E-Waste Management in State of Maharashtra, India	A review of e-waste management systems of developed and developing countries. Also, presents an overview of India's current e-waste management scenario with a special emphasis on e-waste recycling treatment facilities in state of Maharashtra.
8	Removal of inorganic (Arsenic) and microbial contaminants from Drinking water using nanomaterials and determining the impacts of the nano treatment vs. conventional methods of removal	Literature review.



CENTRE FOR CASE DEVELOPMENT

The **CASE DEVELOPMENT CENTRE** was established in 12/06/2014 with the objective of facilitating teaching-learning in industrial engineering and management through:

- Facilitating case writing by NITIE faculty members
- Faculty by capturing their knowledge and experience gathered by individual’s consulting, training and other outreach activities into case studies
- Organizing case study writing and teaching workshops for NITIE faculty
- Students by encouraging them with the support of faculty members to convert select capstone and summer projects into case studies
- MDPs/UBPs, generating leads for case development
- To explore mutually beneficial partnership with other Case Development Centres

The centre is headed by the Centre coordinator Dr. Neeraj Pandey

The centre has five faculty members.

Proposed Budget for 2017-2018: ₹ 52.6 lakhs

Centre / Lab R&D Activities: Project activities – Institute Sponsored & Industry Sponsored

No. Conferences / workshops organised: One Case Writing Workshop

Activities:

- Case Study Writing Workshop by Prof. R. Srinivasan, Professor, IIM Bangalore
- Discussions with The Case Centre, UK (formerly European Case Clearing House) and ET Cases, Times Group for collaborative case registration and publication
- Call for Case Study Writing Proposal from

NITIE faculty by CDC

- Funding provided by CDC to the institute faculty for case development and publication
- Discussions with Nestle India for collaborative case writing proposals by NITIE faculty under their ‘Learn with Nestle’ program





CENTRE FOR KNOWLEDGE MANAGEMENT

The centre for Knowledge Management was established in NITIE. with the objective of Imparting Training to Industry Executives in Knowledge Management and Design and development of KM system for Industry.

Centre Head/Co-ordinator	Prof. Manoj K Jha
Faculty members	04 Nos.
Approved Fund	₹ 33 Lakh

Centre / Lab R&D Activities: Project activities – Institute Sponsored & Industry Sponsored

	New Projects	Ongoing	Completed
Institute Sponsored Projects	one	NIL	NIL
Industry Sponsored Projects	NIL	NIL	NIL
Consultancy Projects	-	-	-

- (1) Physical Facilities available in the centre: NIL
- (2) Centre Outcomes: Research papers were published
- (3) Intellectual Property Created: No
- (4) No. Conferences / workshops organised: Nil



NITIE CENTRE FOR COMMUNICATION STUDIES (NCCS)

The centre for NITIE CENTRE OF COMMUNICATION STUDIES was established in 05.12.2008 with the objective of developing and enhancing communication capabilities among NITIE students by identifying existing gaps and providing support activities.

The centre is headed by the Centre coordinator Prof. Upasna A Agarwal.

The centre has three faculty members, none fellow students, none Part time Research Associates, one Full time Research Associates, none Part time Research Assistants, none Full time Research Assistants, none Technical Staff. NITIE research funding received.

Centre / Lab R & D Activities: Project activities – Institute Sponsored & Industry Sponsored

	New Projects	Ongoing	Completed
Institute Sponsored Projects	None	None	None
Industry Sponsored Projects	None	None	None
Consultancy Projects	None	None	None

- (1) Physical Facilities available in the centre: None. However, for conducting various activities, class room are used.
- (2) Centre Outcomes: Attached
- (3) Intellectual Property Created: Paper titled “Communication Styles of Millennials: Trends and Relevance for the Industry” accepted in Indian Journal of Industrial Relations.
- (4) No. Conferences / Workshops organized: Nine workshops held Details Attached

Photographs: Maximum 4 selected Photographs of important activities be submitted.

ACTIVITIES ORGANIZED BY NCCS

1. SOARING EAGLES WORKSHOP

A Three Day GDPI Workshop was conducted for the first year students in order to groom them for their preparations for Summer Internship Placements. The Event was conducted for a batch of 30 students during 29th July to 31st July 2016. GD Panel mentors for the workshop were Ms. Sonali Sinha and Ms. Aparna KH of soaring eagles. PI Panel mentors were Mr. S. Vineet Iyengar, Mr. Ganesh Ramachandran, Mr. Nitin S, Ms. Sonali Sinha & Ms. Aparna KH.

2. NITIE TOASTMASTERS CLUB

24 toastmaster sessions were conducted from September 2016 till January 2017 and were attended by 47 Toastmaster members. TM Lakshman, 2nd year, PGDIM , NITIE Mumbai won the second position at Area Level Table Topic Contest held on 10th April, 2016 at General Mills, Powai. Across all streams, Ankita Sharma and Agnimitra (2nd year, PGDIM) participated in Area A2 & B3's Humorous and Evaluation Speech Contest on 17th September 2016 at General Mills, Powai, and Ankita Sharma won the 3rd prize in Evaluation in humorous speech evaluation. New Executive Committee was selected on 10th December, 2016, and New Executive Committee of Nitie Toastmasters club attended the COTP Session on 22nd January, 2017 at TCS Thane. In the month of January 2017, new 3 members joined the Nitie Toastmasters Club.



3. ACCENT NEUTRALIZATION WORKSHOP

40 hours long **Accent Neutralization Workshop** was conducted in two halves with the first half being conducted during November 2016 and the second half during January 2017. A total of 12 students across the various batches participated in the workshop. The two trainers conducting the training were Ms. Elavia Pal and Ms. Madhumita Saha of Zing Services. The training was aimed at minimizing the effect of native accents in English communication.

4. GLOBAL LEADERSHIP EXPERIENCE

Four day **Global Leadership Experience** was hosted jointly by IIT Bombay and NITIE Mumbai with the first two days session (22nd and 23rd November) at IIT Bombay and last two days (24th and 25th November) at NITIE Mumbai. A total of 100 students participated in the event. The staff of Common purpose Archana Bhaskar, Dikcha Gautam, Katie McEvoy conducted the event. This year's Global Leadership Experience addressed a pressing global issue: "How can you increase civic engagement in your city?"

5. EMAIL ETIQUETTES WORKSHOP

A four hour long **Email Etiquette Workshop** was conducted on 1st February 2017. It was conducted by Ms. Riddhi Mehta and attended by 15 students. The purpose of the workshop was to help students write formal emails in a business setup.

6. PRESENTATION SKILLS WORKSHOP

NITIE Centre of Communication Studies organized a workshop on "**Presentation Skills**" on 12th February, 2017. It was a 4 hour

workshop, aimed at honing the presentation skills of the students, which will be helpful in their professional life. The areas focused in the workshop were- Connecting with the audience; Structure of the presentation; Powerful slides and visual aid, Podium skills - Voice, Tone, Appearance, Skill practice through individual presentation. The workshop was conducted by Ms. Riddhi Mehta at the NITIE campus. 17 students, across programs attended the workshop.

7. DINING ETIQUETTE WORKSHOP

NITIE Centre of Communication Studies organized a workshop on **Dining Etiquette** on 18th February 2017. It was conducted by Corporate trainer and groomer Bina Joshi. It was a 4 hrs session, aimed at helping the students to know the Do's and Don'ts of Corporate Dining. The workshop was attended by 16 participants. The session covered topics viz- Seating Strategy, Business Talk and Taboo Topics, Handling the Bill, Styles of Eating; Continental and American, The Dinner Napkin, Bread and Butter, The Different food courses, Passing Food and toasting, among others. Moreover, the participants were also encouraged to have the hands on experience with the cutlery and the food.

8. CORPORATE GROOMING WORKSHOP

A four hour workshop on **Corporate Grooming** on 25th February 2017 was organized by NITIE Centre of Communication Studies. It sessions were conducted by corporate trainer and groomer Beena Joshi. The session aimed at learning the basic skills required to conduct oneself as a professional in a corporate setting. The workshop was attended by 9 participants and covered topics viz- the art of Introduction



& addressing people at workplace, Greeting people appropriately, Knowledge about types of Handshakes, Exchanging business cards appropriately, Following meeting etiquette, Nuances of dressing & grooming for workplace. Role plays and exercises were used to improve the grasp on the topics covered.

9. WORKSHOP ON “BEING PROACTIVE AND RESPONSIBLE LEADER”

NITIE Centre of Communication Studies (NCCS) conducted half day workshop on “**Being Proactive and Responsible Leader**”, by an international award winning speaker Dr Sunita Didi Chandak on February 09, 2017. Honorable Director of NITIE, Prof Karuna Jain inaugurated the session by lamp lighting. 50+ students grabbed the opportunity along with NITIE Professors. This workshop was highly interactive, practical, and activity based. Workshop participants identified several key factors to be taken into account when reacting to any particular situation, with respect to pro-activeness. This workshop will for sure help to the all the participants in their daily social, academic, professional and personal life.

10. PICTURE PERCEPTION

The Personality Development Committee Organized the first edition of ‘WHAT IF’ in January/February 2017. It was conducted in three rounds. In the first round the participants were given a topic to write on within a given time frame. The answers were required to submit online. The topic given was ‘**What if India was never partitioned by the British in 1947?**’ 11 entries were shortlisted for the second round. Second round was a Group Discussion round. From the second round 5 entries were shortlisted for the final

round. Final Round was a case presentation round and the topic on which the participants presented was: “**What if GST was introduced during the economic liberalization of India in 1991**”. The event was judged by three of NITIE’s professors Prof KS Ranjani, Prof Binil Kumar AS, Prof Mainak Mazumdar. Winner, 1st and 2nd runner ups were chosen among the five finalists.

11. WHAT IF

The Personality Development Committee Organized the first edition of ‘Picture Perception’ in March, 2017. The competition was aimed at harnessing the creative writing and imagination skills of the students. The students were given a photograph and they had to pen a story within 150 words, that they thought described it best. A total 26 entries were received from the students, which included representations from both the years, and all the courses. The entries were judged on the following parameters – Clarity of thoughts, articulation, creativity and relevance and depth of the title.

12. SOARING EAGLES WORKSHOP

Date: 29th July to 31st July 2016





13. NITIE TOASTMASTERS CLUB

Date: September 2016 to January 2017 (20 Toastmaster sessions)



14. ACCENT NEUTRALIZATION WORKSHOP

Date: November 2016 & January 2017.



15. GLOBAL LEADERSHIP EXPERIENCE

Date: 22nd to 25th November 2016 (22nd - 23rd Nov at IIT Bombay and 24th - 25th Nov at NITIE Mumbai)



**OUTREACH: INSTITUTE – INDUSTRY COLLABORATION****MANAGEMENT DEVELOPMENT PROGRAMME (MDP)****MANAGEMENT DEVELOPMENT PROGRAMMES CONDUCTED DURING 01/04/2016 TO 31/03/2017**

Sr. No.	Course Code No	Course Title	Duration (weeks)	Starting date	Course Leader(s)	Pub. Sec.	Pvt Sec	Total No.of Partts.	Total Partts. (weeks)
1	MB077_16	MANAGERIAL SKILLS FOR TECH. PERSONNEL	5	09/19/2016	PROF. T. PRASAD	4	1	5	5
2	MB080_16	MANAGERIAL SKILLS FOR TECH. PERSONNEL	3	10/24/2016	PROF. D. K. SRIVASTAVA	3	7	10	10
3	MB084_16	EXCELLENCE IN COMMUNICATION	3	12/14/2016	PROF. NIKHIL K. MEHTA	9	0	9	9
4	MB079_16	DEVELOPING EMOTIONAL INTELLIGENCE FOR MANAGERIAL SUCCESS	3	10/03/2016	PROF.(MS)UPASNA A AGARWAL	3	5	8	8
5	MB083_16	ENHANCING MANAGERIAL EFFECTIVENESS	3	11/28/2016	PROF.(MS)UPASNA A AGARWAL	10	5	15	15
6	MB078_16	LEADERSHIP AND TEAM BUILDING	3	10/03/2016	PROF. D. K. SRIVASTAVA	8	0	8	8
7	MB082_16	FDP ON WORKING WITH SPASS AND AMOS	3	11/28/2016	PROF. (MS.) SUMI JHA	1	4	5	5
8	MB086_16	ENHANCING NEGOTIATION SKILLS	3	01/12/2017	PROF.(MS)UPASNA A AGARWAL	2	3	5	5
9	MB069_16	FINANCE FOR NON-FINANCE EXECUTIVES	2	10/27/2016	PROF. M. VENKATESHWARLU / PROF. K. S. RANJANI	2	3	5	10
10	MB003_16	WORKSTUDY FOR HIGHER PRODUCTIVITY	3	09/22/2016	PROF. RAUF IQBAL / PROF. VIVEK KHANZODE	1	4	5	5
11	MB004_16	MANAGERIAL DECISION MAKING	3	10/06/2016	PROF. L. GANAPATHY FOR TECHNICAL PERSONNEL	5	6	11	11
12	MB014_16	DATA ANALYTICS FOR EFFECTIVE DECISION MAKING	3	10/06/2016	PROF. MADDULETY / PROF. NEERAJ PANDEY	10	0	10	10
13	MB027_16	PROJECT PLANNING AND CONTROL	3	09/22/2016	PROF. V. B. KHANAPURI / PROF. VJAYA DIXIT	9	0	9	9
14	MB028_16	DRIVING INNOVATION CULTURE IN TECHNOLOGY START-UPS	3	10/03/2016	PROF. KOTESWARARAO NAIK / PROF. RUCHITA GUPTA	3	1	4	4
15	MB023_16	SUPPLY CHAIN MANAGEMENT	3	02/20/2017	PROF. RAKESH RAUT	4	7	11	11
16	MB016_16	INVENTORY MANAGEMENT	3	01/16/2017	PROF. SANJAY SHARMA	4	1	5	5
17	MB011_16	PROJECT MANAGEMENT	3	02/20/2017	PROF. ASHOK K. PUNDIR	6	7	13	13

no. of courses conducted : 17
no. of courses postponed : 0
no. of courses cancelled : 83

no. of participants from public sector : 84
no. of participants from private sector : 54
no. of total participants : 138
no. of participant weeks : 143

**UNIT BASED PROGRAMMES (UBP)**

Sr. No.	Name of Organisaition	Course Title	Venue	Period	Days	Course Leader	No. of Participant
1	M/s. Crompton Greawes Limited, Mulashi, Near Pune	Letest Trends in Productivity	Mulashi Pune	04/Apr/16	1/2	Prof. KVSS Narayana Rao	17
2	M/s. HAL Management Academy, Bangalore	Emotional Intelligence Work	Bangalore	19th - 21st April 2016	3	Prof. Nikhil K. Mehta Prof. T. Prasad	26
3	M/s. Hindustan Petroleum Corp Limited	Strategic Marketing	Nigdi	09th - 11th May 2016	3	Prof. S. M. Dhume Prof. Ranjan Chaudhuri	23
4	M/s. RITES Ltd., Mumbai	Supplier Capacity Evaluation	NITIE	16th - 18th May 2016	3	Prof. Milind Akarte Prof. Sushmita Aghalaya	20
5	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -I (One Year part time Certificate Programme)	NITIE	28th - 31st May 2016	4	Prof. (Ms.) Karuna Jain Prof. V. B. Khanapuri	25
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -II	NITIE	23rd - 26th June 2016	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -III	NITIE	21st - 24th July 2016	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -IV	NITIE	25th - 28th August 2016	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -V	NITIE	21st - 24th Sept 2016	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -VI	NITIE	22nd - 25th Oct 2016	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -VII	NITIE	10th - 13th Nov 2016	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -VIII	NITIE	08th - 11th Dec 2016	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -IX	NITIE	19th - 22nd Jan 2017	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -X	NITIE	23rd - 26th Feb 2017	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -XI	NITIE	16th - 19th March 2017	4		
	M/s. Hindustan Petroleum Corp Limited,	Project Management - Module -XII	NITIE	20th - 23rd April 2017	4		
6	M/s. Hindustan Petroleum Corporation Limited, Pune	Strategic Marketing	Nigdi	27th - 29th June 2016	3	Prof. Sanjeev Verma Prof. Neeraj Pandey	22
7	M/s. Defence Research & Development Organization-DRDO (CEPTAM)	Module for Enhancing Effectiveness for DRTC Officers	NITIE	18th - 23rd July 2016	6	Prof. S. K. Nair Prof. Kanchan Joshi	27



Sr. No.	Name of Organisation	Course Title	Venue	Period	Days	Course Leader	No. of Participant
8	M/s. Defence Research & Development Organization-DRDO (CEPTAM)	Basic Management Module for DRTC Officers	NITIE	1st - 6th August 2016	6	Prof. T. Prasad Prof. Koteswararao Naik B.	16
9	M/s. Indian Oil Corporation Ltd.	Root Cause Analysis	Lonawala	27th August 2016	1	Prof. Shankar Murthy Prof. Ravindra Gokhale	24
10	M/s. PEC University of Technology	Ergonomics Evaluation of Workplaces	Chandigarh	30th - 3rd Sept 2016	5	Prof. Rauf Iqbal Prof. Vivek Khanzode	25
11	M/s. LIC of India	Psychological and Behavioural Intervention	Borivali	6th - 7th Sept 2016	2	Prof. Nikhil k. Mehta Prof. D. K. Srivastava	22
12	M/s. PEC University of Technology	Productivity /Efficiency Improvements and Ergonomics	NITIE	6th - 8th Sept 2016	3	Prof. Rauf Iqbal Prof. Sumi Jha	30
13	M/s. PEC University of Technology	Productivity /Efficiency Improvements and Ergonomics	NITIE	13th - 15th Sept 2016	3	Prof. Rauf Iqbal Prof. Sumi Jha	28
14	M/s. Indian Oil Corporation Ltd. MKHO	Risk Analysis, Hazop Study & Disaster Management Plan	NITIE	13th - 15th Sept 2016	3	Prof. Shankar Murthy Prof. Rauf Iqbal	30
15	M/s. PEC University of Technology	Productivity /Efficiency Improvements and Ergonomics	NITIE	19th - 21st Sept 2016	3	Prof. Rauf Iqbal Prof. Sumi Jha	28
16	M/s. Hindustan Petroleum Corporation Limited, Nigdi, Pune	Strategic Marketing	Nigdi	19th - 21st Sept 2016	3	Prof. S. M. Dhume Prof. Neeraj Pandey	27
17	M/s. VKC Group Division I, Calicut	Inventory Management	Coimbatore	26th - 27th Sept 2016	2	Prof. P. Acharya Prof. Sushmita N. A.	17
18	M/s. PEC University of Technology	Productivity /Efficiency Improvements and Ergonomics	NITIE	13th - 15th Oct 2016	3	Prof. Rauf Iqbal Prof. Sumi Jha	28
19	M/s. Hindustan Petroleum Corporation Limited, Nigdi, Pune	Strategic Marketing	Nigdi	17th - 19th Oct 2016	3	Prof. Ranjan Chaudhuri Prof. S. M. Dhume	15
20	M/s. Natinal Academy of Defence Production at Nagpur	Industrial Academy of Defence	Nagpur	07th - 11th Nov 2016	5	Prof. Shankar Murthy Prof. Vivek Khanzode	22
21	M/s. Indian Oil Corporation Ltd. MKHO	Risk Analysis, Hazop Study & Disaster Management Plan	NITIE	28th - 30th Nov 2016	3	Prof. Shankar Murthy Prof. Rauf Iqbal	30
22	M/s. Indian Oil Corporation Ltd. MKHO	Risk Analysis, Hazop Study & Disaster Management Plan	NITIE	14th - 16th Dec 2016	3	Prof. Shankar Murthy Prof. Rauf Iqbal	28
23	M/s. Bharati Airtel Ltd.	Strategic Program on Supply Chain Leadership	Ramada Hotel	14th - 17th Dec 2016	4	Prof. R. Mukundan Prof. Ravindra Ghokhale	21



Sr. No.	Name of Organisaition	Course Title	Venue	Period	Days	Course Leader	No. of Participant
24	M/s. Natinal Academy of Defence Production at Nagpur	Inductin Course for Assistant works Managers	Nagpur	19th - 23rd Dec 2016	5	Prof. K. Maddulety Prof. Sanjeev Verma	33
25	M/s. John Deere	Supply Chain Management	Pune	20th - 22nd Dec 2016	3	Prof. Ravindra Gokhale Prof. Sushmita N. A.	28
26	M/s National Institute of Technical Teachers' Training and Research, Chandigarh	Productivity /Efficiency Improvements and Ergonomics	NITIE	26th - 29th Dec 2016	4	Prof. A. K. Pundir Prof. Rauf Iqbal Prof. Sumi Jha	24
27	M/s. Defence Research & Development Organization-DRDO (CEPTAM)	Basic Techno Managerial Module for DRTC Officers	NITIE	16th - 21st Jan 2017	6	Prof. Nikhil K. Mehta Prof. Ruchita Gupta	26
28	M/s. Hindustan Petroleum Corporation Limited, Nigdi, Pune	Strategic Marketing	Nigdi	23rd - 25th Jan 2017	3	Prof. Neeraj pandey Prof. R. Chudhuri	16
29	M/s. Natinal Academy of Defence Production at Nagpur	Supply Chain Management	Nagpur	23rd - 25th Jan 2017	3	Prof. K. Maddulety Prof. Sachin Kamble	27
30	M/s. Hindustan Petroleum Corporation Limited,	Risk Assessment and Emergency Preparedness	NITIE	08th - 10th Feb 2017	3	Prof. Shankar Murthy Prof. Hema Diwan	23
31	M/s. Defence Research & Development Organization-DRDO (CEPTAM)	Enhancing Techno Managerial Effectiveness for Organizational Excellence.	NITIE	13th - 18th Feb 2017	6	Prof. D. K. Srivastava Prof. R. Mukundan	20
32	M/s. Vikram Sarabhai Space Centre, Thiruvananthapuram	Project Management	Thivuvananthapuram	13th - 17th Feb 2017	5	Prof. (Ms.) Karuna Jain Prof. V. B. Khanapuri Prof. Vijaya Dixit Prof. Kanchan Joshi	26
33	Jubilant Life Science Limited, at Gajrula (UP)	Method Study and work Measurement	Gajrula (UP)	20th - 21st Feb 2017	2	Prof. R. Mukundan Prof. Priyanka Verma	21
34	M/s. Natinal Academy of Defence Production at Nagpur	Mid Career Training Programme (MCTP) Level-I for STS	NITIE	20th - 24th Feb 2017	5	Prof. Nikhil K. Mehta Prof. K. Maddulety	17
35	M/s. Hindustan Petroleum Corporation Limited,	Risk Assessment and Emergency Preparedness	NITIE	22nd - 24th Feb 2017	3	Prof. Shankar Murthy Prof. Hema Diwan	13
36	M/s. Natinal Academy OF Indian Railways, Vadodara	Supply Chain Management	NITIE	20th - 25th March 2017	6	Prof. K. Mddulety Prof. Sushmita N. A.	26
37	M/s. PEC University of Technology, Chandigarh	Ergonomics Evaluation of Work places	Chandigarh	21st - 25th March 2017	5	Prof. Rauf Iqbal Prof. Vivek Khanzode	25
					177.50		876.00

**CONSULTANCY SERVICES****COMPLETED NITIE CONSULTANCY ASSIGNMENT****Year 2016-17**

Sl. No	Name of the Organization	Area
1.	Apcotex Industries Limited	Manpower Assessment Study
2.	M/s. Jawaharlal Nehru Port Trust, Navi Mumbai	1. Direct Port Delivery (DPD) to Clients 2. Dual Cycling of Loading / Unloading Activity

CONSULTANCY IN PROGRESS**Year 2016-17**

Sl. No.	Name of the Organisation	Area
1.	M/s. Sundaram Fasteners Limited	Industrial Engineering Study
2.	M/s. GlaxoSmithKline Pharmaceuticals Limited	Manpower Assessment Study
3.	M/s. Hindustan Unilever Limited, Mumbai	“Pilot Plant Efficiency Study”
4.	M/s. P. D. Hinduja Hospital & Medical Research Centre, Mumbai	Industrial Engineering Study
5.	M/s. A. Infrastructure Limited, New Delhi	Manpower Assessment

**MoUS**

1	VJTI	Academic	4th Dec. 13	Prof. Milind Akarte	5
2	PEC	Academic	14TH MAR 14	Prof. Pundir	5
3	COE,PUNE	Academic	30th April 14	Prof. Shanker Murthy	5
4	IITB	Academic	2nd June 14	Prof. Mukundan	3
5	NIFTEM	Academic	27TH MAY 14	Prof. Pundir	5
6	TISS	Academic	7TH JUNE 14	Prof. DK Srivastava	5
7	SHRM	Academic	9th July 14	Prof. Upasna	5
8	IIT Delhi	Academic	18th Mar.15	Prof. Mukundan/Somsekhar	5
9	NIT Jalandhar	Academic	12th March 16	Prof. Rauf Iqbal	5
10	NIT Jaipur	Academic	8th June, 2016	prof. AK Pundir	5
11	TVS MOTORS	Industries	7TH APRIL 14	Prof. AK Pundir	3
12	CGL Mumbai	Industries	15th April 14	Prof. Khanapuri	3
13	Godrej	Industries	25th March 15	Prof. Priyanka Verma	3
14	BHEL	Industries	15th April 15	Prof. Ruchita Gupta	2
15	Anand Group	Industries	26th May, 2015	Prof. AK Pundir	3
16	HPCL	Industries	22nd Feb. 2016	Prof. Khanapuri	3
17	Dassault Systems,Mumbai	Industries	21st March, 16	Prof. Mukundan	2
18	L&T INFOTECH	Industry	20TH FEB 14	Prof. Poornima Sangle	5
19	Ecole Lille De France	International Academic	10th Feb.15	Prof. M K Jha	5
20	University of Alabama	International Academic	24th March.15	Prof. Ravindra Gokhale	5
21	NKN	Professional	16th July, 15	Prof. Hema Date	4
22	IIIE	Professional	24th Feb 14	Prof. Pundir	5
23	NPC, NEW DELHI	Professional	27TH MAR 14	Prof. Khanzode	5
Total					22
	Academic	10			
	industries	8			
	International	2			
	Professional	3			

**FACULTY RESOURCES****DIRECTOR**

Prof. (Ms.) Karuna Jain

PROFESSOR

1. Dr. Amitabha De (on Lien)
2. Dr. D.K. Srivastava
3. Dr. S.K. Nair
4. Dr. L. Ganapathy
5. Prof. R. Ramaswamy
6. Dr. K.V.S.S. Narayana Rao
7. Prof. A.K. Pundir
8. Prof. (Mrs.) Seema Unnikrishnan
9. Dr. (Mrs.) Vijaya Gupta
10. Dr. M. Venkateswarlu
11. Dr. Sanjay Sharma
12. Dr. M K Jha
13. Dr. T. Prasad
14. Prof. V.B. Khanapuri
15. Prof. (Mrs.) Hema A. Date
16. Dr. Shankar Murthy
17. Dr. (Mrs.) Purnima S. Sangle
18. Dr. Shirish Sangle
19. Dr. Milind M. Akarte
20. Prof. Padmanav Acharya

ASSOCIATE PROFESSOR

1. Prof. (Mrs.) R.D. Chikhalkar
2. Dr. (Mrs.) Anju Singh
3. Dr. Sachin S. Kamble
4. Dr. K. Maddulatey
5. Dr. Sanjeev Verma
6. Dr. Suman Mukhopadhyay

7. Dr. Rakesh Verma
8. Dr. Ranjan Chaudhuri
9. Dr. S.K. Md. Rauf Iqbal
10. Dr. Nikhil Mehta
11. Dr. Vivek Khanzode
12. Dr. S.C. Panandikar
13. Dr. Utpal Chattopadhyay
14. Dr. Som Sekhar Bhattacharya
15. Dr. Neeraj Pandey
16. Dr. (Mrs.) Sumi Jha
17. Dr. (Ms.) Upasna A Agarwal
18. Dr. B. Koteswara Rao Naik

ASSISTANT PROFESSOR

1. Dr. (Ms.) Hema Diwan
2. Dr. A.S. Binilkumar
3. Dr. (Ms.) Priyanka Verma
4. Dr. R. Mukundan
5. Dr. (Ms.) Ruchita Gupta
6. Dr. Ravindra S. Gokhale
7. Shri Rakesh D Raut
8. Dr. K S Ranjani
9. Dr. Poonam Singh
10. Dr. Vipul Kumar Singh
11. Dr. Ajay Kumar Panda
12. Ms. Vijaya Dixit
13. Ms. Sushmita A Narayana (on contract)
14. (Ms.) Kanchan Joshi D. (on contract)
15. Prof. Mainak Mazumdar
16. Dr. Satish Kumar

**AREA-WISE FACULTY LIST****GROUPWISE FACULTY LIST****Industrial Engineering and Manufacturing Systems**

1.	Acharya P Professor Ph.D (IIT Kharagpur), M.Tech, B.E.
2.	Akarte Milind M Professor Ph.D (IIT, Bombay), M.Tech.
3.	Ganapathy L Professor Ph.D (IIT Kharagpur), M.Tech., BSc. (Engg.)
4.	Iqbal Rauf Associate Professor Ph.D (Vidya Sagar University), M.Sc.
5.	Khazode Vivek Associate Professor Ph.D (IIT Kharagpur), M.Tech., B.E.
6.	Mukhopadhyay S Associate Professor Ph.D, M.Sc.
7.	Narayana Rao KVSS Professor Ph.D. (IITB), PGDIE (NITIE), B. Tech.
8.	Pundir A K Professor & Dean (Student Affairs) Fellow (NITIE), PGDIE (NITIE), B.Tech.
9.	Verma Priyanka (Ms.) Assistant Professor Ph.D. (IIT Kanpur), M.Tech., B.Tech.

Operations and Supply Chain Management

1.	Gokhale Ravindra S Assistant Professor Ph.D. M.Tech., B.E.
2.	Kamble Sachin S Associate Professor Ph.D (Vikram University), MBA, B.E.
3.	Maddulety K Associate Professor Ph.D (Shivaji University) MBA B.Tech.
4.	Raut Rakesh D. Assistant Professor Post-Doc (EPFL, Switzerland), Fellow (NITIE), M.Tech., B.E.
5.	Sharma Sanjay Professor Ph.D (Bhopal University), M. Tech, B.E.
6.	Sushmita A Narayana (Ms.) Assistant Professor Fellow (IIM Kozhikode (FPM equivalent to Ph.D.), B.E. (Prodn. Egg.)

**Engineering Technology and Project Management**

1.	Dixit Vijaya (Ms.) Assistant Professor Fellow IIM Lucknow, B.E. (Marine Engg.)
2.	Gupta Ruchita (Ms.) Assistant Professor Ph.D. (IIT-Bombay), M. Tech., B. Tech.
3.	Jain Karuna (Ms.) Director, Professor & Dean (SRIC) Ph.D (IIT Kharagpur)
4.	Joshi Kanchan D Assistant Professor Ph.D.(IIT Bombay), M.M.S., BE (Electronics)
5.	Khanapuri V B Professor Fellow (NITIE), MBA, B.E.
6.	Koteswara Rao Naik B Associate Professor Ph.D (IIT Delhi), MBA, B.Tech.
7.	Mukundan R Assistant Professor Ph.D. (IIT Bombay), PGD IPR & L, B.E.

Decision Science and Information Systems

1.	Panandikar S C Associate Professor Ph.D, M.Sc.
2.	Date Hema (Ms.) Professor Fellow (NITIE), PGDIE (NITIE), B.Tech.
3.	Ramaswamy R Professor Fellow (NITIE), M.Phil., MSc. (Tech.)
4.	Sangle Purnima (Ms.) Professor Ph.D (Univ of Indore), MSc.
5.	Verma Rakesh Associate Professor Ph.D (IIT, Kharagpur), M.Sc.

Environmental Engineering and Management

1.	Diwan Hema (Ms.) Assistant Professor Ph.D., M.Sc., B.Sc.
2.	Murthy Shankar Professor Ph.D (IITB), ME., B.E.
3.	Sangle Shirish Professor Ph.D. (University of Indore), M.Tech., M.Sc.
4.	Singh Anju (Ms.) Associate Professor Ph. D. (IITB)
5.	Unnikrishnan Seema (Ms.) Professor & Dean (Admn) Fellow (NITIE), M.Sc., PGD (EL)

Economics and Strategy

1.	Binilkumar A S Assistant Professor Ph.D. (IIT Bombay), M.A.
2.	Chattopadhyay Utpal Associate Professor Ph.D. (Delhi University), MBA, M.Sc.
3.	Gupta Vijaya (Ms.) Professor & Dean (Academics) Ph.D. (University of Rajasthan), M. Phil, M.A.
4.	Singh Poonam (Ms.) Assistant Professor Ph.D (IGIDR)
5.	Som Sekhar Bhattacharyya Associate Professor FPM (MDI), PGDFM, B. Tech.
6.	Mainak Mazumdar Assistant Professor Ph.D (ISEC); MSc. (Economics); B.Sc. (Economics) (Honors)

**Finance and Accounts**

1.	Panda Ajay Kumar Assistant Professor Ph.D (Univ. of Hyd.), M. Phil, M.A. (Economics)
2.	Ranjani K S (Ms.) Assistant Professor Ph. D (SNDT University), M.Phil, AICWA, FCA, B. Com.
3.	Singh Vipul Kumar Assistant Professor Ph.D., MBA, M.Sc.
4.	Venkateshwarlu M Professor Ph. D (Osmania University), M. Com.
5.	Satish Kumar Assistant professor Ph.D (IIT Roorkee), MBA, B. Com

Marketing

1.	Chikhalkar R D (Ms.) Associate Professor Fellow (NITIE), MBA, B.Sc.
2.	Chaudhuri Ranjan Associate Professor Ph.D., (NIT Durgapur), MBA (Marketing)
3.	Jha M K Professor Ph.D. (Bihar), MBA, B.E.
4.	Pandey Neeraj Associate Professor Ph.D, MBA, Post Doctoral Fellow (Johns Hopkins University, USA)
5.	Verma Sanjeev Associate Professor Ph.D, (Meerut University), MBA

Organization Behaviour and Human Resource Management

1.	Agarwal Upasna A (Ms.) Associate Professor Ph.D , (IIT Bombay), Masters Labour Law (MLL)
2.	Jha Sumi (Ms.) Associate Professor Fellow (NITIE), MBA, HR, B. Sc. (Chem.)
3.	Mehta Nikhil K Associate Professor Ph. D, (Nagpur University), MBA, B. Pharm.
4.	Nair S K Professor Ph.D, (University of Nagpur), M. Phil, M.A, DBM.
5.	Prasad T Professor Ph.D, (University of Osmania), M. Com.
6.	Srivastava D K Professor Ph.D, (IITB), M.A.

**CONFERENCE/SEMINAR BY FACULTY AND OFFICERS****SEMINAR / CONFERENCE / WORKSHOP ATTENDED BY NITIE FACULTY / STAFF
APRIL 2016 TO MARCH 2017**

SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
1	DR. (MRS.) SMRUTI PATEL MEDICAL OFFICER	Permission to attend ACP India Chapter 2016, 1st ACP India Chapter Congress-Medicine		01/04/2016 TO 03/04/2016 Mumbai
2	SMT. NEELIMA S. NAIK PROFESSOR	Asia Pacific Occupational Safety & Health Org.-31 (APOSHO-31) Conference	National Safety Council	04/04/2016 TO 06/04/2016 New Delhi
3	SHRI PRASHANT R SALUNKE ACCOUNTS OFFICER	Trg. Prog. on "Good Governance"	ISTM	25/04/2016 TO 29/04/2016 New Delhi
4	SHRI PRASHANT GOSWAMI ASST. LIB. & INFO. OFFICE	Trg. Prog. on "Good Governance"	ISTM	25/04/2016 TO 29/04/2016 New Delhi
5	PROF. KANCHAN JOSHI ASST. PROF. (ON CONTRACT)	Presenting paper in the POMS Conference		06/05/2016 TO 09/05/2016 Orlando, USA
6	DR. UTPAL KUMAR DEBNATH C.O.E.	Presenting paper in the International Conference on "ATHMCON - 2016"		17/05/2016 TO 18/05/2016 Shillong
7	DR. SHANKAR MURTHY ASSOCIATE PROFESSOR	Presenting paper in the Asian Conference on "Sustainability, Energy & Environment"		09/06/2016 TO 12/06/2016 Kobe, Japan
8	DR. S.K. MD. RAUF IQBAL ASSOCIATE PROFESSOR	Presenting paper in the "6th International Ergo. Conference, Ergonomics 2016-Focus on Synergy"		15/06/2016 TO 18/06/2016 Zadar, Croatia
9	DR SUMAN MUKHOPADHYAY ASSOCIATE PROFESSOR	Presenting paper in the "6th International Ergo. Conference, Ergonomics 2016-Focus on Synergy"		15/06/2016 TO 18/06/2016 Zadar, Croatia
10	DR B M GHODESWAR PROFESSOR	14th International Conf. of the Society for Global Business & Eco. Devl. etc.		21/06/2016 TO 24/06/2016 New Jersey, USA



SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
11	DR. BINILKUMAR A.S. ASSISTANT PROFESSOR	2016 Conference of International Society of Ecological Economics (ISEE)		26/06/2016 TO 29/06/2016 Washington, DC
12	DR. MUKUNDAN R. ASSISTANT PROFESSOR	FICCI Roundtable on "Effective Implementation of IPR Policy"		11/07/2016 Mumbai
13	DR D K SRIVASTAVA PROFESSOR	18th International Conf. on "Human Resource Development and Mgmt"		21/07/2016 TO 22/07/2016 Zurich, Switzerland
14	DR. RUCHITA GUPTA ASSISTANT PROFESSOR	Twelfth India Innovation Summit 2016		28/07/2016 TO 28/07/2016 Bangaluru
15	DR L GANAPATHY PROFESSOR	Presenting paper in the SCTPLS Conference 2016		29/07/2016 TO 30/07/2016 USA
16	DR. MILIND A. AKARTE ASSOCIATE PROFESSOR	Presenting paper at the SPJIMR - POMS India Chapter Conference		29/07/2016 TO 30/07/2016 Mumbai
17	DR. RANJAN CHAUDHARI ASSOCIATE PROFESSOR	Presenting paper in the SPJIMR - POMS India Chapter Conference		29/07/2016 TO 30/07/2016 MUMBAI
18	MRS. SUMI JHA ASSOCIATE PROFESSOR	Presenting paper in the International Conference Annual Academy of Mgmt. 2016		05/08/2016 TO 09/08/2016 Anaheim, California
19	DR (MS) MANI K MADALA PROFESSOR	Presenting paper in the International Conference on "SSHIS-16"		14/09/2016 TO 15/09/2016 Dubai, UAE
20	DR. SOM SEKHAR BHATTACHARYYA ASSOCIATE PROFESSOR	Presenting paper in the International Conference-12th Interdisciplinary Workshop		22/09/2016 TO 23/09/2016 Russia
21	DR. RANJAN CHAUDHARI ASSOCIATE PROFESSOR	Teaching with Simulation Seminar	SP Jain Instt. of Mgmt. & Research	23/09/2016 TO 24/09/2016 Mumbai



SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
22	MRS. SUMI JHA ASSOCIATE PROFESSOR	Teaching with Simulation Seminar	SP Jain Instt. of Mgmt. & Research	23/09/2016 TO 24/09/2016 Mumbai
23	PROF.(MS) KARUNA JAIN DIRECTOR	Workshop org. by CII- Indian Women Network WomeNation:Power of US	CII	29/09/2016 TO 30/09/2016 Mumbai
24	DR.(MRS) VIJAYA GUPTA PROFESSOR WomeNation:Power of US	Workshop org. by CII- Indian Women Network	CII	29/09/2016 TO 30/09/2016 Mumbai
25	DR. RUCHITA GUPTA ASSISTANT PROFESSOR WomeNation:Power of US	Workshop org. by CII- Indian Women Network	CII	29/09/2016 TO 30/09/2016 Mumbai
26	DR. (MS.) K.S. RANJANI ASSISTANT PROFESSOR	Workshop org. by CII- Indian Women Network WomeNation:Power of US	CII	29/09/2016 TO 30/09/2016 Mumbai
27	MS. SUSHMITA A NARAYANA ASST. PROF. (ON CONTRACT)	Presenting paper in the International Conference on "Marketing Technology and Society (MARCONF16)"	IIM	29/09/2016 TO 01/10/2016 Kozhikode
28	SMT. B.E. KORDAY SR. LIBRARY & INF. ASST.	Workshop-cum-training Programme on "Institutional Digital Repository for NDL"		05/10/2016 TO 06/10/2016 IISER, Pune
29	DR. VIPUL KUMAR SINGH ASSISTANT PROFESSOR	Presenting paper in the International Conference on "Accounting, Finance & Financial Institutions"		17/10/2016 TO 21/10/2016 Poznan, Poland
30	PROF. AJAYA KUMAR PANDA ASSISTANT PROFESSOR	Presenting paper in the International Conference on "Accounting, Finance & Financial Institutions"		17/10/2016 TO 21/10/2016 Poznan, Poland
31	PROF.(MS) KARUNA JAIN DIRECTOR	Research Project Analysis Workshop for the Balanced Leadership Project	BI Norwegian Business School	14/11/2016 TO 17/11/2016 Oslo, Norway
32	MS. VIJAYA DIXIT ASST. PROF. (ON CONTRACT)	Presenting paper in the International Conference on "Organization and Management"		20/11/2016 TO 21/11/2016 Abu Dhabi, UAE



SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
33	DR.(MS) HEMA DIWAN ASSISTANT PROFESSOR	Presenting paper in the International Conference on "Aqua Foundation's 10th World Aqua Congress"		24/11/2016 TO 25/11/2016 New Delhi
34	DR. B. KOTESWARA RAO NAIK ASSISTANT PROFESSOR	Sixteenth Global Conference on "Flexible Systems Management"		04/12/2016 TO 06/12/2016 Sydney, Australia
35	DR. RANJAN CHAUDHARI ASSOCIATE PROFESSOR	Presenting paper in the International Conference on "Industrial Engg. & Engg. Mgmt.(IEEEEM 2016)		04/12/2016 TO 07/12/2016 Bali, Indonesia
36	DR. S.K. MD. RAUF IQBAL ASSOCIATE PROFESSOR	Presenting paper in the 14th International Conference "Humanizing Work Environment"		08/12/2016 TO 11/12/2016 Jalandhar
37	DR.(MRS.) UPASNA A. AGARWAL ASSISTANT PROFESSOR	Presenting paper in the Fourth Pan-IIM WMC 2016		12/12/2016 TO 15/12/2016 Ahmedabad
38	MRS. S. N. JADHAV ASSISTANT REGISTRAR	One day workshop on Govt. e-Marketplace (GeM) for Academic Institutions		20/12/2016 IIT, Delhi
39	MISS SUNITA R KARKERA SUPERINTENDENT	One day workshop on Govt e-Marketplace (GeM) for Academic Institutions		20/12/2016 IIT, Delhi
40	DR. VIVEK V KHANZODE ASSOCIATE PROFESSOR	Presenting paper in the XX Annual International Conference of Society of Operations Management		22/12/2016 TO 24/12/2016 Gwalior
41	DR. NEERAJ PANDEY ASSOCIATE PROFESSOR	Presenting paper in the Fourteenth AIMS International Conference on Management		26/12/2016 TO 28/12/2016 MICA, Ahmedabad
42	DR.(MRS.) UPASNA A. AGARWAL ASSISTANT PROFESSOR	Presenting paper in the Annual Conference		29/12/2016 TO 31/12/2016 IIT, Chennai
43	DR. SHANKAR MURTHY ASSOCIATE PROFESSOR	Presenting paper in the International Conference on Advances in Nano Technology		09/01/2017 TO 13/01/2017 Guwahati



SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
44	MS. VIJAYA DIXIT ASST. PROF. (ON CONTRACT)	Presenting paper in the PMI India Research & Academic Conference 2017		01/03/2017 TO 03/03/2017 IIT, Delhi
45	DR.(MRS.) UPASNA A. AGARWAL ASSISTANT PROFESSOR	Presenting paper in the PMI India Research & Academic Conference 2017		01/03/2017 TO 03/03/2017 IIT, Delhi
46	SHRI VB KHANAPURI ASSOCIATE PROFESSOR	PMI India Research & Academic Conference 2017		01/03/2017 TO 04/03/2017 IIT, Delhi
47	DR UTPAL KUMAR DEBNATH C.O.E.	Presenting paper in the International Conference on "Sustainability"		02/03/2017 TO 04/03/2017 IIM, Shillong
48	DR. SANJEEV C. PANANDIKAR ASSOCIATE PROFESSOR	Presenting paper in the International Conference 2017	Jamnalal Bajaj	07/03/2017 Mumbai

Awards

Dr. K. Maddulety

- '2016 Literati Award' by Emerald Literati Network, Emerald Publishing for the joint research paper written along with Prof Vishal Singh Patyal titled as "Infrastructure and core quality practices in Indian manufacturing organizations: scale development and validation", Published in 'Journal of Advances in Management Research, Emerald Group Publishing',
- 'Glory of India Award 2016' at Bangkok, by 'India International Friendship Society (IIFS)', New Delhi, 4th Oct 2016

Major Professional Activities Undertaken:

- Conducted Guest Lectures on 'Analytics in Operations' at IIM Ranchi PGP students,

- Conducted Guest Lectures on 'QM I(Statistics)' at IIM Ranchi for PGP and Fellow students,
- Conducted Guest Lectures on 'Research Methodology' at IIM Ranchi for PGP and Fellow students,

Major Honorary works undertaken:

- Invitation received and attended a meeting as Principal Member of MSD: 3, Bureau of Indian Standards, New Delhi
- Received an invitation to join Institutional Advisory Board as Member at ITM-SIA Business School, Dombivli
- Evaluated M.Phil reports and Conducted Viva-Voce exam for two students of Delhi University
- Evaluated M.Tech reports and Conducted Viva-Voce exam for six students of University of Mumbai

**RESEARCH AND PUBLICATIONS****I. PUBLICATIONS:**

1. Aditee Potdar, Seema Unnikrishnan, Anju Singh, Study of Energy Regulations in India, International Journal of Environmental Science and Development. Vol.7, No. 11, pp 835-842, Nov. 2016
2. Neelima Naik, Seema Unnikrishnan, Anju Singh and Indrayani Nimkar: Role of Emission Trading and Clean Development Mechanism in Achieving Cleaner Production; International Journal of Environmental Science and Development. Vol.7, No. 11, pp 843-848, Nov. 2016.
3. Y Chakravarthy, A Potdar, A Singh and Seema Unnikrishnan and Neelima Naik, Role of ecolabeling in reducing ecotoxicology, Journal of Ecotoxicology and Environmental Safety Elsevier publication. Volume 134, Part 2, December 2016, Pages 383–389.
4. Jinu Kurian, Seema Unnikrishnan and Bhagyashree Sawant, 2016. A Study on Green Supply Chain Management Practices in Indian Petroleum Industries. International Journal of Services and Operations Management. Accepted for publication in December 2016.
5. Santanu Kumar Satapathy, Shirish Sangle, Seema Unnikrishnan, (2017) "Role of government towards adoption of cleaner technologies for climate proactivity: A survey-based empirical study of Indian firms", *World Journal of Science, Technology and Sustainable Development*, Vol. 14 Issue: 1, pp.29-49.
6. Santanu Sathpathy, Shirish Sangle & Seema Unnikrishnan, Adoption of Technology-Based Products by Consumers: A Review Environmental Management and Sustainable Development, 2016, 5(2): 1-17.
7. Anju Singh, Mayuri Naik, Seema Unnikrishnan, Sayee Saynekar and Bhagyashree Sawant, Implementation of Innovative Greenhouse Gas emission Reduction Projects in India, Renewable and Sustainable Energy Review, with Editor.
8. S. Verma¹, R. K. Verma¹, S. K. Mishra², A. Singh¹ and G. K. Jayaraj³ A revisit to nrcs-cn-inspired models coupled with RS & GIS for runoff estimation Hydrological Sciences Journal, Taylor & Francis, accepted on 19th Jan 2017.
9. Sheetal Kamble, Yogita Chakravarthty, Anju Singh, Caroline, Markus Starkl, Itee Bawa. A novel soil biotechnology system for wastewater treatment: technical, hygiene, environmental lca and economic aspects. Environmental Science and Pollution Research, Springer. Accepted on Mrch 13, 2017.
10. Bhupendra Verma & Shirish Sangle What drives successful implementation of product stewardship strategy? The role of absorptive capability, 2017. Accepted in Corporate Social Responsibility and Environmental Management, John Wiley.
11. Bhupendra Verma & Shirish Sangle Pollution prevention strategy: a study of Indian Firms, Journal of Cleaner Production, 2016, Volume 133, 795-802. Elsevier Publication
12. Bhupendra Verma & Shirish Sangle Strategy to Derive Benefits of Radical Cleaner Production, Products and Technologies: A Study of Indian Firms, Journal of Cleaner Production, 2016, 133: 795-802. Elsevier Publication
13. Shridhar Samant and Shirish Sangle "A Selected Literature Review on Changing Role of Stakeholders as Value Creators" World Journal of Science, Technology and Sustainable

- Development, 2016, Vol. 13 No. 2, 100-119, Emerald Publication.
14. Shridhar Samant and Shirish Sangle "Co-creation with Stakeholders: The key to enhancing Sustainable Value," *International Journal of Social Ecology and Sustainable Development*, 2016, 7: 3, 34-46. IGI Global Publication.
 15. Santanu Sathpathy, Shirish Sangle & Seema UnnikrishnaN Adoption of Technology-Based Products by Consumers: A Review, *Environmental Management and Sustainable Development*, 2016, 5(2): 1-17.
 16. Shah B, Khanzode V (2017). Storage allocation framework for designing lean buffers in forward-reserve model: a test case. *International Journal of Retail and Distribution Management*. 45:90-118.
 17. Shah B, Khanzode V (2017). A comprehensive review of warehouse operational issues. *International Journal of Logistics Systems and Management*. 26:346-378.
 18. Girish N, Iqbal R, Khanzode V (2016). Adapted progressive isoinertial lifting evaluation for determining lifting capacity. *International Journal of Safety and Industrial Ergonomics*. 1:10-14.
 19. Arundhati Guha Thakurta, Rauf Iqbal and Amitabha De: The Influence of Three Different Load Carrying Methods on Gait Parameters of Indian Construction Workers. *MOJ Anat & Physiol*, 3(4), 2017.
 20. Ishant Gupta, Parveen Kalra and Rauf Iqbal: Physiological Effects of Backpack Packing, Wearing and Carrying on School Going Children. *Research into Design for communities, Smart Innovation, Systems and Technologies*, Springer Nature Singapore Pte Ltd. Volume 1, Pp 813 - 822, 2017
 21. Ishant Gupta, Parveen Kalra and Rauf Iqbal: Gait parameters in school going children using a marker-less approach. *CURRENT SCIENCE*, VOL. 111, NO. 10, 25 November 2016
 22. Girish Nandakumar, Rauf Iqbal and Vivek Khanzode: Adapted Progressive Isoinertial Lifting Evaluation for determining Lifting capacity. *International Journal of Safety and Industrial Ergonomics*, Vol. 1(1), pp. 010-014, August, 2016.
 23. Shweta Satish Devare Phadke, Rauf Iqbal: Work place Design reforms for Traffic Police. *International Journal of Current Research*, ISSN: 0975-833X, 2016
 24. Arundhati Guha Thakurta, Rauf Iqbal, H. V. Bhasin, Amitabha De, Shreya Maulik: Human gait with reference to age, gender and impact of Load: a review. *Advances in Applied Physiology*, 2016; 1(2): 24-30, January, 2016.
 25. Shweta SDP, R Iqbal: Work Place Design Reforms for Traffic Police. *International Journal of Current Research*. Vol. 8, Issue, 01, pp.25493-25495, January, 2016.
 26. Kulkarni, Sourabh, Verma, Priyanka, & Mukundan, R. Extending canvas of Manufacturing Strategy: 8Ps Model (2016), *International Journal of Global Business and Competitiveness*, Vol – 11, pp 7-21.
 27. Vipul Gupta, GopalKrishnan Narayanmurty, Padmanav Acharya, "Can Lean lead to Green? Assessment of Radial Tyre Manufacturing Process using System Dynamics Modelling", *Computers and Operations Research* (Accepted)
 28. Rohit Kumar Singh, Padmanav Acharya, Divya Taneja (2016), "Impact of Reverse Logistics on Apparel Industry.", *Int. J. Services and Operations Management*, Vol.25, No.1, pp-80-98
 29. Sonal Daulatkar and Purnima S. Sangle, (2016), Proposed Re-conceptualization of IT Business Value Benefits, *Business Process Management Journal*, Vol. 22 Issue 3, pp. 522-545. Emerald Publications



30. Somnath Roy and Purnima S. Sangle, (2017) AHP Based Framework for Prioritizing Critical Success Factors to Achieve ERP Implementation Success, Vol. 24, Issue 2, pp. 174–209, International Journal of Business Information Systems, Inderscience
31. “Mapping Public Procurement Practices in India”, International Journal of Knowledge Management Studies, 2017 with Saroj Koul, Uma Kumar and Vinod Kumar.
32. Structural Equation Modelling of Determinants of Buyer–Supplier Relationship Improvement Strategies: Case of Indian Manufacturing Firms”, Asia-Pacific Journal of Management Research and Innovation, 12(2) 1–14, 2017 with Joshi Sarang P, Bhasin H V and Kharat Manoj with Joshi Sarang P, Bhasin H V and Kharat Manoj
33. “Strategic buyer-supplier relationship improvement: development of constructs and measurement”, *International Journal of Supply Chain and Inventory Management (IJSCIM)*, Vol. 1, No. 4, 306-341, 2016.
34. “Critical Success Factors for Supplier Development and Buyer Supplier Relationship: Exploratory Factor Analysis”, *International Journal of Strategic Decision Sciences*, vol. 7, issue 1, pages 18-38, 2016 with Joshi Sarang P, Bhasin H V and Kharat Manoj.
35. “Identifying profitable clientele using the Analytical Hierarchy Process”, International Journal of Business and Systems Research, Vol. 10, Nos. 2/3/4, pp. 220-237, 2016 with Saroj Koul and Sushanth S Pai.
36. A Structural Equation Modeling Approach for Buyer Supplier Relationship Development Strategies: Indian Manufacturing Context”, *Smart Journal of Business Management*, Vol.12, No.1, pp.32-43, 2016 with Joshi Sarang P and Bhasin H V
37. “Development, Measurement and Validation of Supply Chain Performance Measures’ (SCMP) Scale in Indian Retail Sector”, Benchmarking – International Journal, Vol. 23, No.2, 2016 with Gawankar, S. and Kamble, S.
38. Creating Employee Engagement in Organizations in India: Role of Human Resource Processes, International Journal of Innovative Research and Development, 2016 Vol. 5(6), 41-47 (Jointly co-authored)
39. Vaishya, R., Jha, S., & Srivastava, D. K. (2016). Revisiting Managerial Competencies-Literature Review. *International Journal of Innovative Research and Development* || ISSN 2278–0211, 5(4).
40. Jain, S. & Nair, S. K. (2016). Work – Family Conflict in India – Construct Validation and Current Status. *Asia Pacific Journal of Management Research & Innovation (SAGE)*, 12 (1).
41. Jain, S. & Nair, S. K. (2017). Work Support and Family Support as Predictors of Work to Family Enrichment and Family to Work Enrichment. *Global Business Review (SAGE)*, 18(4).
42. Mehta, N. K. (2016). A study on empathetic listening in internalisation of emotional intelligence among engineers: Srimad Bhagavad Gita in context. *International Journal of Indian Culture and Business Management*, 12(4), 468-488.
43. Mehta, N. K. (2016). Excellence in human and business communication: reflections from the Srimad Bhagavad Gita. *International Journal of Business Excellence*, 9(1), 113-133.
44. Neeraj Pandey, Nikhil Mehta, Shreya Basu Roy (2016), Semiconductor Pricing Strategy in USB Market: A Market Leader’s Dilemma, *Business Perspectives and Research*, 5(1) 1–10



45. Mehta, N. K., Purushothaman, D. P. and Chennamsetty, S. (2017 Accepted) 'Investigation and analysis of public speaking skills of engineers using DMAIC path', *Int. J. Business Excellence*
46. Nikhil Mehta, Shreya Basu Roy (Accepted 2017), Pain in the Chain, *Business Perspectives and Research*
47. Bolia, B., Jha, S., & Jha, M. K. (2016). Cognitive dissonance: a review of causes and marketing implications. *Researchers World*, 7(2), 63.
48. Jha, S., Bhattacharyya, S., & Fernandes, C. (2016). Human resource development management & training as antecedents for strategy integration. *Indian Journal of Industrial Relations*, 52(1), 129-144.
49. Singh, A., & Jha, S. (2016, January). Study of antecedents of organizational health: Indian R&D organization. In *Academy of Management Proceedings* (Vol. 2016, No. 1, p. 14382). Academy of Management.
50. Majra, H., Saxena, R., Jha, S., & Jagannathan, S. (2016). Structuring Technology Applications for Enhanced Customer Experience: Evidence from Indian Air Travellers. *Global Business Review*, 17(2), 351-374.
51. Bolia, B., Jha, S., & Jha, M. K. (2016). Cognitive Dissonance: A Study of Post Purchase Behavior of Consumers in the Context of Financial Products. *International Journal of Innovative Research and Development* || ISSN 2278-0211, 5(3).
52. Vaishya, R., Jha, S., & Srivastava, D. K. (2016). Revisiting Managerial Competencies- Literature Review. *International Journal of Innovative Research and Development* || ISSN 2278-0211, 5(4).
53. "Scale Development of Organizational Health Construct" has been accepted for publication in *global business review* 19.2 (March - April 2018) issue
54. "Mediation of Superior-Subordinate Relationship and a Climate of Innovation on Psychological Empowerment" has been accepted for *International Journal of Productivity and Performance Management* (December 2017 issue)
55. The relationships between perceived organizational support, affective commitment, psychological contract breach, organizational citizenship behaviour and work engagement V Gupta, UA Agarwal, N Khatri, *Journal of advanced nursing* 72 (11), 2806-2817
56. Examining the nature and effects of psychological contract: Case study of an Indian organization, UA Agarwal, RK Gupta, *Thunderbird International Business Review*
57. Examining perceived organizational politics among Indian managers: Engagement as mediator and locus of control as moderator. *International Journal of Organizational Analysis* 24 (3), 415-437
58. Rai, A., & Agarwal, U. A. (2016). Workplace bullying: A review and future research directions. *South Asian Journal of Management*, 23(3), 27-56.
59. Bansal, N. & Agarwal, U.A. (2017). The gap between availability and expectations of Work-Life Practices, *Indian Journal of Industrial Relations* 45(3), 528-542
60. Babu T. R. and M. Venkateswarlu (2017). Dynamics of Financial Stress and Economic Performance of India. *International Journal of Applied Business and Economic Research*, 15(5), 1-17.
61. Babu T. R. and M. Venkateswarlu (2017). Impact of Financial Stress on GDP Growth: An Empirical Study on India. *Indian Journal of Economics and Business*, 16(1), 51-66.
62. Chitra Gunshekhar Gounder, and M. Venkateswarlu (2017). Shareholder Value



- Creation: An Empirical Analysis of Indian Banking Sector. *Accounting and Finance Research*, 6 (1), 148-157.
63. Kumar S., and Ranjani, K. S. (2017). Dividend Behaviour of Indian listed Manufacturing and Service Sector Firms. *Global Business review*, SAGE publication, forthcoming (Vol. 20, No. 1)
64. Purankar S. and Singh, V. K. Portfolio Cointegration Dynamics of Metal and Energy Commodities: Evidence from India. *International Journal of Management Practice (IJMP)*, Inderscience, Forthcoming (Scopus Indexed).
65. Purankar S. and Singh, V. K. Does Inclusion of Agriculture Futures Contracts Provides Enough Portfolio Diversification? Evidence from India. *International Journal of Management Practice (IJMP)*, Inderscience, Forthcoming (Scopus Indexed).
66. Purankar S. and Singh, V. K. Interdependence Dynamics of Commodity Derivatives and Macroeconomic Factors: Evidence from India. *International Journal of Applied Business and Economic Research* (Scopus Indexed), Serials Publication, Forthcoming.
67. Singh V. K (2016). Price and Hedging Competitiveness of Discrete Option Pricing Models: Evidence from India. *Journal of Derivatives and Hedge Funds*, Springer Link (Palgrave Macmillan), 17(6), 453-475.
68. Singh V. K (2016). Parliamentary Elections Creates more "Options": Evidence from World's Largest Democracy "India". *Journal of Asset Management*, Springer Link (Palgrave Macmillan), 17(5), 375-392.
69. Singh V. K and Ahmed, F (2016). Econometric Analysis of Financial Cointegration of Least Developed Countries (LDCs) of Asia and the Pacific. *China Finance Review International*, Emerald, Vol. 6(2), 208-227.
70. Ahmed F and Singh, V. K (2016). Financial Integration among RCEP (ASEAN+6) Economies: Evidences from Stock and Forex Markets. *South Asian Journal of Management*, Vol. 23(1), 164-188.
71. Panda A. K., Nanda S. (2017), Market Linkages and Conditional Correlation between the Stock Markets of South & Central America, *Journal of Financial Economic Policy*, Vol-9 Issue-2 (Emerald). DOI: 10.1108/JFEP-08-2016-0063.
72. Panda A.K., Nanda S. (2017), Short-term and Long-term Interconnectedness of Stock Returns in Western Europe and the Global Market; *Financial Innovation*, Vol. 3 Issue-1 (Springer), DOI: 10.1186/s40854-016-0051-8.
73. Panda A.K., Nanda S. (2016), A GARCH Modelling of Volatility and M-GARCH Approach of Stock Market Linkages of North America; *Global Business Review*, Vol-19, Issue-2 (Forthcoming), (Sage).
74. Panda A.K., Nanda S. (2016), Capital structure and exchange rate risk; An empirical analysis of Indian Non-financial firms; *UDYOG PRAGATI-The journal for practicing managers*, Vol: 39 Issue-3, (ISSN 0970-3365).
75. Panda A.K., Nanda S. (2016), A Mathematical Explanation of Panzar-Rosse Model and its implication in Indian Banking Industry; *Indian Journal of Economics & Business*, Vol-15, Issue-3.
76. Patyal V. S., & Koilakuntla, M. (2017). The impact of quality management practices on performance: an empirical study. *Benchmarking: An International Journal*, 24(2) 511 - 535 ABDC Journal list rating "B" and Scopus
77. Anu Binny & Koilakuntla, M (2017). Robust and Secure Pixel Domain Digital Image Steganography; an *International Journal of Mechanical and Production Engineering*



- Research and Development (IJMPERD)* Vol. 7, Issue 1, 41-52. Scopus Indexed
78. Patyal V. S., & Koilakuntla, M. (2017). Impact of Organizational Culture on Quality Management Practices: An Empirical Investigation. *Benchmarking: An International Journal*, review and resubmitted ABDC Journal list rating "B" and Scopus Indexed
79. Pattanayak D., Koilakuntla, M., & Punyatoya, P. (2017). Investigating the influence of TQM, service quality and market orientation on customer satisfaction and loyalty in Indian banking sector. *International Journal of Quality & Reliability Management*, 34(3), 362 – 377. ABDC Journal list rating "B"; Scopus Indexed
80. Patyal V. S., & Koilakuntla, M. (2016). Relationship between organisational culture, quality practices and performance: conceptual framework. *International Journal of Productivity and Quality Management*, 19(3), 319-344. ABDC Journal list rating "C"; Scopus Indexed
- II. Conference Publication / Presentation:**
1. Mishra R, Dutt P, Khanzode V (2016). Last mile delivery: framework and application of meta-heuristic-based milk-run. XIX Annual International Conference of Society of Operations Management. IITM Gwalior.
 2. Surya T, Jain V, Khanzode V (2016). Newspaper supply chain: designing distribution network using the decomposition algorithm. XIX Annual International Conference of Society of Operations Management. IITM Gwalior.
 3. Shah B, Khanzode V (2016). Proposed sizing-based assignment policy to design lean buffers in forward-reserve model: a test case of retail distribution center. XIX Annual International Conference of Society of Operations Management. IITM Gwalior.
 4. Gohane V, Sonar H, Khanzode V (2016). Estimation of rapid prototyping product cost—a case study using activity-based costing. NCIETM-2016. NITIE, 17-19 November 2016.
 5. Sonar H, Gohane V, Khanzode V (2016). Multiple products printing in additive manufacturing—a case study for cost estimation. NCIETM-2016. NITIE, 17-19 November 2016.
 6. Shah B, Khanzode V (2016). Storage allocation and replacement strategies for throughput improvement in forward buffers. NCIETM-2016. NITIE, 17-19 November 2016.
 7. Rauf Iqbal and Hiren Shah: Perception ability of symbolic indicators on educational and social background of users. 14th International Conference on Humanizing Work and Work Environment (HWWE 2016), National Institute of Technology, Jalandhar, 8- 11 December, 2016.
 8. Ishant Gupta , Parveen Kalra and Rauf Iqbal: Comparison of gait parameters between school children studying in day school and boarding school by using Kinect v2. 14th International Conference on Humanizing Work and Work Environment (HWWE 2016), National Institute of Technology, Jalandhar, 8- 11 December, 2016.
 9. Mohd. Juned and Rauf Iqbal: Layout Design and Performance Improvement of Material Handling in Warehouse Using Application of Ergonomics Factors. 14th International Conference on Humanizing Work and Work Environment (HWWE 2016), National Institute of Technology, Jalandhar, 8- 11 December, 2016.
 10. Girish N, Rauf Iqbal and Vivek Khanzode: Comparison of lifting capacity between novice and conditioned manual lifting. 14th International Conference on Humanizing Work and Work Environment (HWWE 2016), National Institute of Technology, Jalandhar, 8- 11 December, 2016.



11. Reenu Singh, Rauf Iqbal and A.K.Pundir: Physiological and Psychological discomfort faced by workers in their prolonged work routine. 14th International Conference on Humanizing Work and Work Environment (HWWE 2016), National Institute of Technology, Jalandhar, 8- 11 December, 2016.
12. Rauf Iqbal, Arundhati Guha Thakurta and Shreya Maulik: Biomechanics and Energy Expenditure Index of walking with different modes of load carriage among industrial workers. 6th International Ergonomics Conference- ERGONOMICS 2016 – Focus on Synergy, Zadar, Croatia, June 15-18, 2016.
13. Arundhati Guha Thakurta, Rauf Iqbal, HV Bhasin, Amitabha De, Shreya Maulik: Study on gait pattern of Indian adults with respect to age. . 6th International Ergonomics Conference- ERGONOMICS 2016 – Focus on Synergy, Zadar, Croatia, June 15-18, 2016.
14. Sashikumar A., Acharya P., Lean Supply Chain Management Practices in Tyre Manufacturing: A profit building Strategic Rationale, National Conference on Industrial Engineering and Technology Management-2016, NITIE Mumbai, 17-19 November 2016
15. Sashikumar A., Acharya P., “Moderating the effects of Lean manufacturing: A contextual framework with respect to process industry”, International Conference on Operations and Supply Chain Management, 2016, SIOM, Nasik, 17-19 August 2016
16. Mahak Sharma, Ruchita Gupta, P. Acharya, Cloud Computing Services: A study in India, 25th International Conference for Management of Technology – Orlando, Florida, May 15-19, 2016
17. Machine Work Study - Man Work Study - Taylor’s Conceptualization of Scientific Study of Man-Machine Systems” Published in the Conference Proceedings, Enhancing National Competitiveness: Role of Industrial Engineering and Technology Management, Excel India Publishers, Mumbai, 2016, pp. 3-7. Presented in the Conference NCIETM 2016 National Conference held at the National Institute of Industrial Engineering (NITIE) Mumbai, 17-19 November, 2016.
18. Agarwal, Upasana. A., Verma, Priyanka., & Karar, Saikat. (2016). Behavioral Operations Management: A review and bibliometric analysis. SPJIMR-POMS India Chapter Conference on Big Data Analytics for Optimising Supply Chains. S P Jain, Mumbai: POMS, 29-30 July 2016.
19. Kulkarni, Sourabh, Verma, Priyanka, & Mukundan, R. (2016). An Industry Perspective on Manufacturing strategy Definition. Management science and Practice (MSP) - Sixth edition. IIT Madras, 9-10 Sepmtember 2016.
20. Kulkarni, Sourabh, Verma, Priyanka, & Mukundan, R. (2016). Defining Manufacturing Strategy: A Multi perspective Study. XX Annual International Conference of Society of Operations Management. IITM Gwalior (Emerald), 23-24 December 2016.
21. Kulkarni, Sourabh, Verma, Priyanka, & Mukundan, R. (2016). Extending Canvas of Manufacturing Strategy: Updating 6Ps model. National conference on Industrial Engineering and Technology Management (NCIETM). NITIE, Mumbai, 17-19 November 2016.
22. Naskar, Suvajit., Verma, Priyanka., & Gokhale, Ravindra. (2016). Integrated procurement, production and transportation planning for food processing industry. SPJIMR-POMS India Chapter Conference on Big Data Analytics for Optimising Supply Chains. S P Jain, Mumbai, 29-30 July 2016.
23. Verma, Priyanka., & Ambati, Sunil. (2016). Production-Distribution modelling of a supply chain network for an auto industry . XX Annual International Conference of Society of Operations Management. IITM Gwalior (Emerald), 23-24 December 2016.



24. Verma, Priyanka., & Joshi, Kanchan. (2016). Multi objective Heuristic Approach for Multimodal Coordinated Supply Chains. POMS 27th Annual Conference on Innovative Operations in an Information and Analytics Driven Economy. Orlando, Florida, 6-9 May 2016.
25. Verma, Priyanka., Agarwal, Upasana., & Karar, Saikat. (2016). Exploring operational and behavioural factors affecting buyer-vendor relationship. SPJIMR-POMS India Chapter Conference on Big Data Analytics for Optimising Supply Chains. S P Jain, Mumbai, 29-30 July 2016.
26. Shisodia Anjali, Dixit Vijaya & Verma Priyanka (2017). Analysis of project risk based on NTCP framework. PMI Project Management Research & Academic Conference 2017, IIT Delhi, 2-4 March 2017.
27. Ambati Sunil & Verma Priyanka (2017). Sourcing Strategy of Strategic Items by considering the total supply chain cost and order allocation to suppliers in an auto industry, The Eighth POMS – Hong Kong International Conference, Hong Kong, 7-8 January 2017.
28. Personality Characteristics, Managerial Skills and Career Preference, Paper presented in 18th International Conference of Human Resource Development and Management, Zurich, Switzerland (July 21-22, 2016)
29. Prasad T (2017) Gandhian pathways towards sustainable higher education : Seeding Gandhian Education as part of Indian Higher Education, Proceedings of the symposium organized by Development Management Institute , Patna Bihar India 13 - 14 Feb 2017
30. Prasad T (2016) Entrepreneurial Education , Paper presented in the seminar titled ' Relevant Education,' conducted by Ramakrishna Mission , Mumbai India 5 May 2016.
31. Rajesh Ranjan and Prasad T (2017) The relationship between work environment occupational stress, job motivation and job satisfaction: An analytical study among the Loco- Pilots in India, Proceedings of the IRES International conference on Economics and Social Sciences (ICESS) ISBN 978-86291 - 91-2. Sponsored by the IIER at London, UK, 18 - 19 January 2017
32. V.A. Patankar, N.K. Mehta A study on experiences of Indian entrepreneurial communities. Proceedings of 58th The IRES International Conference, London, United Kingdom, 18th -19th January 2017
33. Agarwal, U.A., Mehta, N.K. (2016). How's my Boss treating me? The impact of perceived supervisory fairness and communication style on creative work Behaviour. Presented at 3rd International HR Conference, 2016
34. FORE International OB & HR Conference 2016 (FIOHC) "Unearthing Organizational Health Determinants for Effective Globalization of an Indian Organization"
35. "Establishing factor structure of HRD climate survey questionnaire", SIMSER 3rd International HR Conference, 2016
36. "Study of antecedents of organizational health: Indian R&D organization" to the Academy of Management 2016 Annual Meeting, August 5 - 9, in Anaheim, CA.
37. SIMSER Global Marketing Conference (9th & 10th February, 2017) study of brand personality of financial institution and its effect on customer perceived value and customer satisfaction among consumers in the context of financial products in India.
38. Agarwal U.A., Mehta, N.K. (2016). How's my Boss treating me? The impact of perceived supervisory fairness and communication style on creative work Behaviour. Presented at 3rd International HR Conference, 2016.



STUDENT AFFAIRS AND ACTIVITIES

Avartan, a journey of a thousand miles begins with a single step. For making a mark on the business school fraternity, decades ago NITIE conceptualized and incepted various benchmarked events in their respective categories such as **Prerana** (circa. 1995), **Lakshya** (circa. 2000), **Envison** (circa. 2002), **Empresario** (circa. 2004) and **Litmus** (circa. 2007). The prime motive of these festivals has always been to provide the industry interface for the students so as to expose them to the practicalities and real time situations. Avartan is now an umbrella event which is the amalgamation of Prerana, LakshyaSM and Empresario with the cultural festival– Arohan and the sports meet – Josh.

AVARTAN refers to a rhythmic cycle of Indian music. Chosen as the name for the grand unification, it captures the essence of various events coming together in harmony to create a symphony that befits NITIE.

Lakshya Business Visionary Awards

In Avartan, the fraternities of NITIE felicitate business leaders with the ‘Lakshya Business Visionary Award’. These awards are given in recognition and appreciation of achievements, to those industry leaders, who have emerged winners due to their exemplary vision and extraordinary leadership. The ‘Visionary Award’ has historically been presented to prolific business tycoons including Adi Godrej, Ratan Tata, Rahul Bajaj, Azim Premji, Venu Srinivasan, Nandan Nilekani and Sunil Bharti Mittal who have changed the course of Indian business internationally.

NITIE felicitated “**Lakshya Business Visionary Award 2016**” to **Mr. Rana Kapoor, Founder, Managing Director and CEO of Yes Bank** for



progressively establishing a high quality, state-of-the-art private Indian bank with a vision of ‘Building the Best Quality Bank of the World in India’ by 2020. Under his leadership, YES BANK has steadily evolved as the “Professionals’ Bank of India” with exemplary business and financial outcomes as evidenced in the financial results since inception.

Lakshya Distinguished Leader Awards

NITIE with utmost respect felicitates with “Lakshya Distinguished Leader Award” in recognition and appreciation to the paragons of India who devoted their entire life in shaping the future of India in various fields through their sterling Leadership.

“**Lakshya Distinguished Leader Award 2016**” was conferred to Padma Vibhushan **Dr. Krishnaswamy Kasturirangan**, Ex-ISRO Chairman, he is also a Padma Shri and Padma Bhushan awardee for his contribution to the advancement of the Indian Scientific scenario and Padma Shri **Dr. Vijay Bhatkar**, Indian Computer Scientist, in recognition and appreciation for their devotion in shaping the future of India in the field of computing through his sterling leadership.



Prof. (Ms.) Karuna Jain, Director, NITIE presented the award to Padma Vibhushan Dr. K. Kasturirangan and Padma Shri Dr. Vijay Bhatkar honoring them with the Lakshya Distinguished Leader Award, a Scroll of Honor, a shawl and a floral tribute.

Empresario Entrepreneurship Awards



The Empresario most inspiring award was conferred to Mr. Narendra Bansal, MD, Intex Technologies in recognitions for his innovative ideas, introducing new technologies & products for Indian economy.

Prerana Business Meet

The Prerana Business Meet (PBM), a flagship event of Prerana, is a conclave for the country’s most influential leaders to discuss the current critical issues of business and its impact on the country’s economic and geopolitical growth through business talks. Over the years, it has seen through leaders share their philosophies and success mantras with the industry and academia alike. During Prerana Business Meet, NITIE plays host to industry leaders and dignitaries who participate as keynote speakers. Year on year, NITIE has discussed several issues where the distinguished people from the top organizations meet and enlighten the students with their diverse views. PBM strive to teach aspiring students by providing them with valuable resources and knowledge, which will set them up for success in future in industry. The event transforms NITIE into a hotbed of activity focused at inspiring and driving students towards management excellence.



Presented by Nestle this year, dignitaries at Prerana Business Meet gave in their inputs on the topic, “Make in India: Transforming the manufacturing sector and Re-positioning India in the global market” was quite expansive and intriguing and perfectly in line with the mission of NITIE, to help Indian businesses make their presence felt globally. NITIE has decided to act as a driving force not only in manufacturing sector but in all dynamic sectors of the Indian economy and has aligned its vision and activities in line with the current and



future needs of the Indian economy and its vibrant and growing sectors.

NITIE hosted three brilliant minds of the industry, for Prerana Business Meet, 2016:

Mr. Sushobhan Dasgupta, Managing Director, Johnson & Johnson Medical India, & Vice President, Diabetes Care Asia Pacific,

Mr. Rajiv Srivastava, Managing Director, HP Inc. India,

Mr. Dilipkumar Khandelwal, Managing Director, SAP Labs India Pvt Ltd. & Executive Vice President, Enterprise Cloud Services, SAP SE.

Supply Chain Management Conclave



This event is an attempt to bring the best minds in the supply chain from different industries under one roof. Focused on Supply Chain, the event will bring in a valuable learning experience for young budding managers and decision makers from various industries.

NITIE is known as “Mecca of Supply Chain Management”. The Supply chain management conclave is an event that comes under Lakshya Avartan. This event is an attempt to bring the best minds in the supply chain from different industries. Focused on Supply Chain, the event brought in valuable learning experience for young budding managers, decision makers from various industries, and students.

The topic of the supply chain management conclave was:

“Lean and Agile Supply Chain: Synchronizing Supply Chain with The Market Place”

The esteem dignitaries for SCM conclave were:

Mr. Sushil Rathi, Chief Operating Officer, Mahindra Logistics Ltd.

Mr. S Balakrishnan, Head of Manufacturing -Personal Care Business, ITC Ltd.

Manufacturing Conclave

With world manufacturing scenario changing at an astounding pace, ‘Manufacturing Conclave’ is an initiative under Avartan organized by Lakshya Team to bring the best minds in the manufacturing



from different industries to discuss the latest manufacturing trend and topics. This conference is designed to help achieving manufacturing excellence across these core operational areas of maintenance, continuous improvement and safety.

The topic of the conclave was:

“Industry 4.0: Bridging gap between Manufacturing and Service Sectors”

The esteem dignitaries for Manufacturing conclave were:

Mr. Manu Mehrotra, Tooth Brush Category Supply Chain Director, Colgate Palmolive (I) Ltd.

Mr. Chandrashekhar Ajgaonkar, Senior Vice President – QBM, CEAT Limited



Mr. Kannan Chakravarthy, Senior VP Strategy and Special Projects, Mahindra & Mahindra

Industrial Engineering Conclave



This conclave is a unique platform to facilitate knowledge transfer between industrial personnel and academic researchers on the topics related to industrial engineering and expand the boundaries.

The 'Industrial Engineering Conclave' is an initiative under Avartan organized by Team **LakshyaSM** which is aligned with our 46 years old flagship course PGD in Industrial Engineering. The event aims at holding meaningful discussion amongst Industry leaders of various organizations. Eminent speakers from various background participate in this conference to deliver an in-depth insight of what are the opportunities that lie within increasing productivity through the management of people, methods of business organization, and technology.

The esteem dignitaries for Industrial Engineering Conclave 2017 were:

1. Mr. R Suresh (Managing Director, RGF Executive Search)
2. Mr. Mukesh Kripalani (Chief Officer - Business Process Transformation & IT, Marico Ltd.)
3. Mr. Sukanta Padhy (Chief Supply Chain Officer, Alliance Tires Group)
4. Mr. Pankaj Agarwal (Vice President-Operational Excellence, Lupin Pharmaceuticals)

NITIE Finance Conclave

The stage was set for one of the most eagerly awaited event of the year "Nitie Finance Conclave-2016". The government had recently passed the GST bill in parliament and there were huge expectations that it would provide the much needed boost to our economy. India is one of the fastest growing economy in the world but a sad reality associated with this fact is that we are not able to have inclusive growth in this country. On one hand, we have a cluster of metropolitan and Tier-1 cities which are developing at a rapid pace but on the other hand, there is still a large part of the population who lives under trying circumstances with no access to basic amenities like 24 hour electricity and clean water. To address this issue, the topic for the conclave was kept as "Financial Inclusion".

We had the following distinguished set of panel gracing the event to share their opinions on how the country is going to progress towards an inclusive growth program.

Mr. Ajay Desai, Senior President & CFIO, Inclusive and Social Banking YES Bank

Mr. Abhishasht Pant, Director New Channels & Prepaid

Prof M Venkateshwarlu had initiated the session by providing an overview of the concept of Financial Inclusion and its importance in the context of our economy. Prof Utpal Chatopadhyay ended the session with a Vote of Thanks

Green Lantern

The Green Lantern Keynote series is the stage where Industry Experts and Leading Speakers from reputed and recognized organisations present their perspectives and views about various themes in the field of sustainability.

The theme of this year's event was 'Role of Sustainability in enhancing competitive advantage'.

With more and more inclusion of sustainability performance indicators in the buying behavior



of customers, it is imperative for firms to master sustainability for ensuring a competitive edge. This theme focused on how leading organizations are approaching sustainability as a core business strategy that will drive business innovation and growth.

This year we had with us a panel of 3 esteemed guests Mr. Sourav Roy, DGM of Sustainability Strategy at Tata Sustainability Group, Mr. Krunal Negandhi, Head of Sustainability at Lavasa Corp., Stienor India and Mr. Sameer Shet, Head of Projects, Facility Management, EHS & Sustainability at Philips Healthcare.

Today, being sustainable is thus not only a new business model and a new business paradigm, but also a business imperative.

Entrepreneurship Conclave

Every year “Empressario” establishes a confluence of Business and NITIE by organizing “The Entrepreneurship Conclave” to promote students to ideate and venture into new businesses and create value for themselves and the society.

This year's theme was “Rural Entrepreneurship”. The institute was honored with the presence of Mr. Manoj Rawat, Head, Agriculture & Rural banking, RBL Bank and Mrs. Mrinalini Kher, Co-Founder, Yuva Parivartan & Trustee, Kherwadi Social Welfare Association. Both of them briefed the students about their journeys, challenges and mission. Their vision about India amazed as well as motivated everyone to contribute towards the betterment of the society.

The students of NITIE carry a lot of inspiration from them to become a visionary and hopefully follow their footsteps.

On the Job Achiever's Contest

It is an ideal platform for **practicing managers** to present their innovative and path-breaking projects. The projects are judged by an elite jury panel consisting of industry stalwarts (**VPs & MDs of top notch firms**). It is a confluence of best practices,

technological advancements, their implementations and impact on the industry and equips the budding managers with the latest trends and advancements. **Lakshya 2016 “On the Job Achievers' Contest”** had participation from corporate sector across five well-defined verticals:

1. **Supply Chain Management**
2. **Operations Management**
3. **Systems & IT Management**
4. **General & HR Management**
5. **Industrial Engineering**

Some of the organizations that participated in the event were Gabriel India Ltd, Ashok Leyland, Dr. Reddy's Lab, Apollo Tyres, Reliance industries, Marico etc. The Jury for the above events also came from reputed companies such as **Mr. Aditya Verma**, Head- Global Supply Chain, Lava International Ltd

Mr. S. K. Krishnan, VP - Demand supply chain management, Mahindra & Mahindra Ltd. (Automotive Division)

Mr. Atul Jaggi, Chief Operation Officer, Gabriel India Ltd

Mr. Milind Kulkarni, Head- Manufacturing, Kansai, Nerolac Paints Ltd

Summer Project Contest

In the Summer Project Contest (SPC) lies the genesis of Prerana. It has become a legacy that proudly continues till date and 2016 saw the 22nd edition of it. The event provides a platform for second year management students to showcase their summer projects and share their internship experiences. Their presentations are scrutinized and judged by an elite panel of judges from the Industry and faculty from NITIE. This year the event saw the presence of students from Top management schools presenting their internship experiences and project details with students and elite industry panelists.

This year the event not only saw enthusiasm from the students, but also from the industry stalwarts.



Several praises were received from Industry stalwarts regarding the competition level and indulgence of students into their summer projects.

SPC comprises of six modules.

- 1) Finance
- 2) Marketing
- 3) Operations/SCM
- 4) IT
- 5) Strategy and Consulting
- 6) Human Resources

Power Talks

Under the umbrella of **Lakshya**, Power Talks is a candid **Gyan session** to enlighten the ignited young managerial minds in the institute. This year, **Retd. Major Gen Dhruv C Katoch**, graced this event. He was the Director of Centre for Land Warfare Studies (CLAWS). His energetic delivery, which exemplified his patriotism for our country was a highlight of the event.

In his speech he talked about his life experiences from his esteemed career in the armed forces and enthralled the audience with his delivery and experiences. It was a very enriching session with varied takeaways for the audience.

Cita-De-La Prerana

Cita -De -La Prerana. An event where you are going to be inspired and where you get a chance to hear real-life stories about the success journeys of famous, admired celebrities. These are the people who had courage to give birth to an idea and dared to go against all odds to convert their ideas into reality. Cita-de-la Prerana, in the past, played host to such eminent personalities as Mr. Prahlad kakkar, Mr. Rajat Kapoor, Mr. Anurag Kashyap, Ms. Gul Panag, Mr. Dhanraj and Mr. Harry Baweja.

This year, we are fortunate enough to host three brilliant minds of the industry, Mr. Shyam Benegal- Director and Screen writer, Mr. Makarand Deshpande- Film actor and Director and Mr.

Piyush Mishra- Film actor and Lyricist. The diverse experiences shared by the dignitaries certainly inspired the audience to follow their passion. We not only saw eagerness from students of NITIE for attending the event, but also students from visiting colleges and dignitaries from Corporate showing their fascination to listen to these celebrities.



Prerana Decibelz

Prerana Decibelz is the rock show at NITIE where the musicians, celebrities, singers put on groove the shoes of NITIE students. The trailblazers from the world of performing arts and cinema showcase their performance, music legends like Shankar-Ehsaan-Loy, Sonu Nigam, Anushka Manchanda, Indian Oceans, Euphoria and other big names who have performed in the past, Decibelz promises a night full of excitement and ecstasy. This year, Decibelz witnessed a rocking performance by Nikhil D'souza, a well known singer of MTV Coke Studio.



JOSH 2016: An inter-college Sports Festival



Josh 2016- an intercollege sports extravaganza was successfully organized under the umbrella of AVARTAN, along with other flagship events of NITIE. The lush green playgrounds of NITIE turned into a battlefield for three days, i.e., from Oct 15 th-17th, 2016.

The event witnessed the participation of the best B-schools across India. NMIMS, KJ SOMAIYA, SJMSOM, SIMSREE are some of them. This sports extravaganza comprised of Cricket, Chess, Football, Basketball, olleyball, Throwball, Table Tennis, Badminton, lawn tennis, carom, chess and futsal.

JOSH 2016 was enthralled by the presence of Shri. Mahaveer Singh who was the coach of the great Indian Boxer Mary Kom.

AROHAN 2016: An inter-college Cultural Festival

National Institute of Industrial Engineering, Mumbai successfully concluded its annual cultural festival, 'AROHAN' which was held under the umbrella of AVARTAN, from 15th -17th October 2016. This year YES Bank Co-sponsored Arohan 2016 and the festival scaled new heights with the presence of celebrities such as Sudhakar Sharma, Natasha Assadi, Karan Khanna, Pranalini Atul, Samarth Swarup, Tushar Shetty and the band Anthracite. The three-day extravaganza was full of fun and enthusiasm.

The festival saw participation from major institutions across the country in 7 competitions: Nukkad Natak (Street Play), Headbangerz Arena (War of Bands), Rendezvous (Fashion Show), Nrityotsav (Dance competition), Surkshetra (Singing competition), Open Shutter (Photography) and Chalchitra (Film Making Competition). Stand-up comedian Mr. Anirban Dasgupta entertained the audience with his special performance. The third day was entirely dedicated to NITIE students as the administration welcomed new students in the batch fresher. On this evening, the junior batch showed their talent as they performed with grace on the stage this was followed by distribution of certificates for the entire student body representing the various committees, forums, VPs, and Secretaries from the senior batch.

Other Events at Avartan 2016

Smart Cities Innovation Challenge:

Information is the basis of the future and Information Technology is the methodology to tap into complex data handling. With the broadening scope of digital media in day-to-day lives, IT has utmost importance. So here is a case study challenge pertaining to IT industry which gives an opportunity to the budding generation of IT managers; for highlighting their management skills.



The Case was on the lines of **“Smart Cities Innovation using Internet of Things – Making India Smarter!”**

Sparsha

Sparsha is a perfect amalgamation of business and social responsibility, an initiative of students to bring the socially relevant projects of NGO's and the CSR projects of the industry on one rostrum and give them a fortuity to present their wonderful initiatives in front of eminent corporate jury members who witness the future endeavor of the society and award the best project in each category i.e. CSR and NGO.

NGO Project-This contest is a bid to provide NGOs a forum to showcase their projects in front of corporate jury.

CSR Project-Corporates display their humanitarian work through their CSR projects to raise awareness about various issues that they are focusing on and portray their sustainability measures.

The competition was followed by a panel discussion on Corporate Social Responsibility-Going beyond the compliance.

Launchpad

Launchpad 2016 brought management students from the top B-schools of the country to design powerful marketing strategies that may provide the necessary impetus to turn a brand around. The event was organized in association with Bharat Petroleum Corporation Limited and received over 170 team entries. Executive level delegates were on campus to judge the event.

Checkmate

Checkmate 2016 was a Strategy case delving into formulating strategies to increase multiplex business keeping in mind the target customers and differentiated buying experience etc. Checkmate

saw close to 300 students register for its first round. Second Round saw 50 shortlisted teams work on the case study with final round in the campus. The jury included top management from various companies to judge participants.

Beat The Street

Beat the Street, is the finance case study challenge at Prerana held in association with the Canara Bank. The case was a live case developed for Canara Bank by the finance interest forum, Street. Delegates from Canara Bank were part of the jury and the event saw participation from top B-Schools. This year an amazing participation of more than 200 teams participated in the 1st round. A total of 50 teams were shortlisted for round 2. The final 8 teams presented their case in Campus in front of a jury panel.

Vivaad

Vivaad is as much a test of quick wit as it is of oratorical prowess. The debate and extempore competition of Prerana sees some of the best speakers and sharpest minds from across business schools engage in a battle of

opinions and ideas. It presents an opportunity to put one's thoughts "on ice" and test the pedigree of influential speech. This year we saw more than 70 teams participated in the 1st round. A total of 10 teams were shortlisted for round 2.

Strategem

Strategem is an amalgamation of Supply Chain Management and Business Strategy. Being organised in association with SCNext, it seeks to unearth sound strategies and feasible solutions to problems that affect the Supply Chain of most modern organizations. The solutions would need to be robust and implementable. This year we saw more than 160 teams participated in the 1st round. A total of 30 teams were shortlisted for round 2.

**Ecolloquium**

Ecolloquium is a way of getting corporate house honchos to deliberate on a present-day topic of significance. It facilitates a confluence of knowledge, experience and expertise. They bring to the forum a unique kind of energy and enthusiasm that encourages and motivates students. This forum is also a platform for the students to gain knowledge and discuss their views on the topic with the eminent panelists who have worked closely with projects related to the topic. Theme for this year's event was: 'EHS - A Value Creation for Business'. This year we had with us a panel of 3 esteemed guests: Mr Steve Linton, VP, Corporate Head, EHSS, Tata Housing Development Company Limited, Mr. Krishnanand Mavinkurve, Corporate VP, Safety and Occupational Health, Adani Ports and SEZ Limited and Mr. Ranajit Maji, a senior safety expert.

Proicere

In this event participants will be provided with a case/theme containing the project details and they have to execute the project from scratch i.e planning, budget requirement, resource allocation, identifying the solution, execution to manufacturing of the final product. This event will test the project management skills of the participants and will give them hands on experience and glimpse of executing a real time industrial project. This event will also help the participants gain knowledge and new insights in the field of project management. The event is conducted in association with Project Management Club of NITIE. This year we saw more than 40 teams participated in the 1st round.

Arthashastra

Arthashastra was launched this year. It is an online virtual stock market trading event where participants do online trading with virtual cash. The event will create a real world stock market experience and allow participants to gauge their

trading skills, knowledge, reactivity, intuition, guts and temperament. The Event tests participants on both fundamental and technical aspects of markets.

Lakshwiz Bazar

"Lakshwiz - Bazaar" tests the participants' knowledge on multiple facets of marketing. True-blue marketing aficionados vie for this coveted title. Each round promises to be more challenging than the previous one and will ensure that it tests the teams on their ability to think on their feet, apply their knowledge in practical situations and most importantly, think out-of-the-box.

Lakshwiz D-Street

"Lakshwiz D-Street" is the perfect opportunity for you to fill in the shoes of big finance managers as you get to decide your next course of action, in this grueling and bloody war. Various twists and turns will allow you to test your decision-making capabilities and your financial knowledge in almost all domains of finance.

Lakshwiz Factory

Lakshwiz- Factory presents students from various colleges an opportunity to work on a Live Supply Chain Management Case Challenge. This year the case was presented in collaboration with ISCEA SCNext India SkillPRO where students from various colleges across the country participated. The stages involved in the Lakshwiz-Factory included a national quiz round followed by the case challenge where the top teams presented in front of an esteemed jury.

Navkriti

Navkriti is an event to create a platform which aims to connect potential ventures & Start-ups to VCs, Investors and Angel. The key objective of this event is to provide a platform for fabulous entrepreneurs and experts.



Ideation workshop

Implementation and execution of an idea was the prime theme of this workshop. It focused on understanding the 360-degree view of any idea and the path for bringing it to reality. Mr. Faraz Naqvi, Co-Founder of Sparknext and an early stage investor, conducted the workshop for the first time in National Institute of Industrial Engineering (NITIE), Mumbai. The learnings from the workshop will help the students to pursue entrepreneurship in today's "Start-Up" world.

My Story

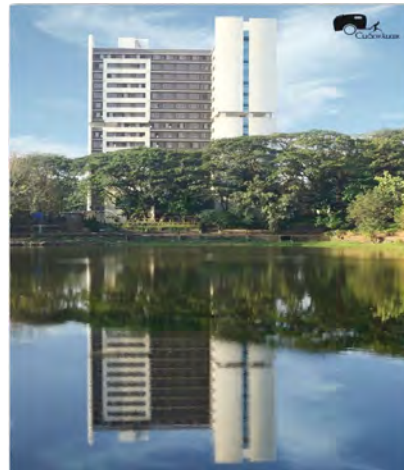
My Story provides a unique platform for entrepreneurs to showcase their proficiencies and skills. The idea behind conducting My Story session is to build a scaffold where the young inquisitive brains interact with some of the gems from entrepreneurial world. The event provides opportunities to meet successful entrepreneurs and learn from their experiences. The entrepreneurs tell about their journey, experiences, the things that were going through their minds while initiating the process, and the driving force that kept the entrepreneurial spark alive in them.

PGP HOSTELS

The Institute has 03 Hostels buildings namely Taylor Hall, Vikram Sarabhai Hall and Gilbreth Hall for the accommodation of their Fellow and PGP students. Gilbreth hall is earmarked as Girls Student Hostel. The hostel rooms are allotted on twin sharing basis to all the students.

Taylor Hall is a multi-storeyed (16 Floor) hostel building which can accommodate 762 students on twin sharing basis. It has modern amenities like 04 elevators, fire alarm systems, (A Mess with 400 students sitting capacity). Every floor has reading room/common room in addition to the space for

indoor games like Table Tennis, Pool Table and TV room. Presently the Hostel is fully occupied by all the PGP Students.



Vikram Sarabhai Hall is a two-storey building which can accommodate 108 students on twin sharing basis. All the rooms in this hostels are self-contained rooms. Presently all the Fellow students

have been accommodated in this hostel with single accommodation.

Gilbreth Hall is a 7-storeyed hostel which can accommodate 336 students on twin sharing basis. All the rooms in this hostel are self contained rooms.

CURRENT HOSTEL ROOM UTILIZATION

Hostel Type	Total Capacity	Rooms occupied by PGP /Fellow students	Rooms Occupied by others	Vacant Room	Capacity utilization
Taylor Hall (Boys Hostel)	762 (On twin sharing)	381	16 (Sports room, Reading Room and stores)	NIL	100%
Vikram Sarabhai Hall (Boys Hostel)	108 (On Twin sharing)	40 (Fellows single occupancy)	02 (Medical Assistant, Fire Officer)	12	78%
Gilbreth Hall (Girls Hostel)	336 (On twin sharing)	85	25 (Store Rooms)	58	65%
		506		70	



PLACEMENT

Summer Internship

All the 406 students of PGDIE, PGDIM, PGDISEM, PGDMM & PGDPM (Class of 2018) have been placed in 118 organizations across the country for 8-weeks Summer Internship from 27 March 2017 to 03 June 2017.

Final Placements

In the mission of creating tomorrow's leaders for the country, we at NITIE are extremely focused on providing quality education alongwith developing overall personality of our students. The aim is to create well balanced individuals who would be the change agents of future, yet carry forward the legacy of NITIE. Over the years, our rich blend of students has managed to excel in the industry and this belief has been reinforced by the consistent faith of recruiters in offering our students diverse and key roles in their organisation.

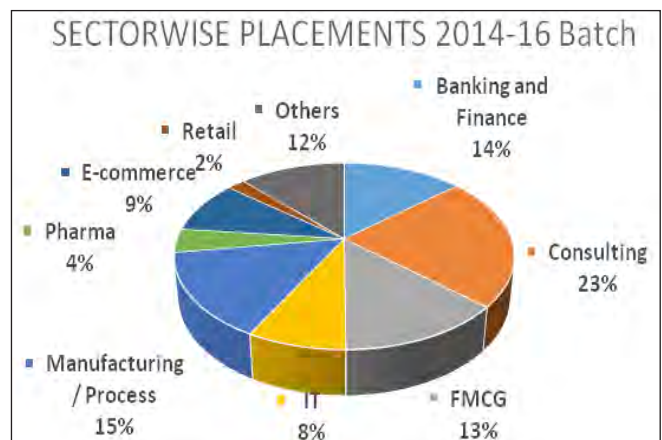
REPORT ON FINAL PLACEMENTS OF PG DIPLOMA IN INDUSTRIAL ENGINEERING (PGDIE-45), INDUSTRIAL MANAGEMENT (PGDIM-22), INDUSTRIAL SAFETY & ENVIRONMENTAL MANAGEMENT (PGDISEM - XV), POST GRADUATE DIPLOMA IN MANUFACTURING MANAGEMENT (PGDMM-02) AND PROJECT MANAGEMENT (PGDPM -02) BATCHES - YEAR 2016-17

Particulars	Year : 2016-17 (As on 31 March 2017)					
	PGDIE	PGDIM	PGDISEM	PGDMM	PGDPM	Total
1 No of companies	112					
2 No of students placed						
Domestic	90	227	11	23	21	371
Foreign	1	4	0	2	0	7
Total	91	231	11	25	21	379

Particulars	Year : 2016-17 (As on 31 March 2017)					
	3 No of students yet to be placed	4	2	0	4	1
4 No of students opted out of placements	0	1	2	1	1	5
5 Total number of students in the batch	95	234	13	30	23	395

2. Sector-wise Placements of Students (2016-17 Batch)

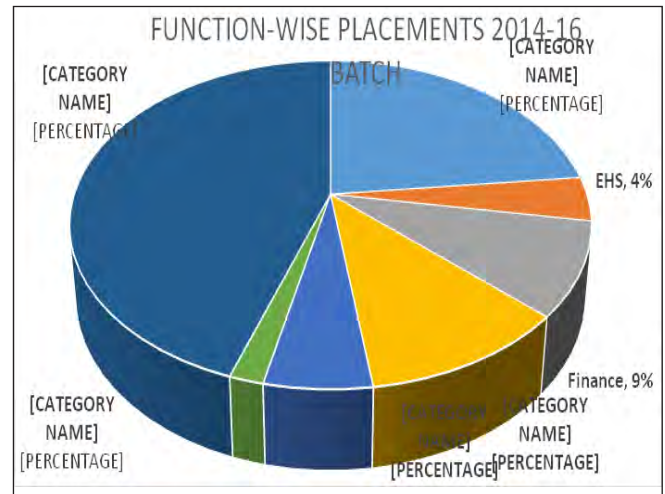
Sector	PGDIE	PGDIM	PGDISEM	PGDMM	PGDPM	Total
Banking and Finance	9	33	0	1	4	47
Consulting	8	57	2	5	3	75
FMCG	20	31	4	5	0	60
IT	19	28	0	4	3	54
Manufacturing / Process	18	42	5	4	7	76
Pharma	4	11	0	1	1	17
E-commerce	0	7	0	0	0	7
Retail	2	5	0	2	0	9
Others	11	18	0	2	3	34
Total	91	232	11	25	21	379





**3. Function wise Placements of Students
(2016-17 Batch)**

Function	IE	IM	ISEM	MM	PM	Total
Consulting	9	56	0	4	3	72
EHS	0	0	11	0	0	11
Finance	6	15	0	1	3	25
IT & ITES	9	37	0	3	2	51
Others	3	6	0	0	1	10
Sales & Marketing	6	11	0	0	1	18
Supply Chain / Operations	57	106	0	17	5	185
Project Mgmt	1	0	0	0	6	7
Total	91	231	11	25	21	379





CENTRE FOR STUDENTS ENTERPRISE (NCSE)

Mass Student Start Up Experience through Maha Mandi program

The Center has conducted successfully one day field based mass student startup experience titled ' Maha Mandi' during Aug 2016 and Aug 2017 . This field experience is being run at NITIE for the last 15 years in row. NITIE Students voluntarily participate in the field day and discover market opportunities, customer discovery, and business model innovation etc. This program is fully self financed in nature and students group called Marketing Interest Group (MIG) collaborate with the NITIE center in conducting this event.

Guided 6 months Student Enterprises

The Center has guided two six months enterprise projects for NITIE Students. One of the students opted out of the placement and continued ones enterprise at the end of the project. Name of the students are .

- **Kathuria and Sanjay Verma**

Guided 2 months Student Summer Enterprise Projects

The Center has guided two of the two months duration Summer Enterprise projects for NITIE Students. These students are..

- Ashish and Kasturva Das

**PHYSICAL FACILITIES AND INFRASTRUCTURE:****ESTATE****Annual report of Estate Section (01.01.2016 to 31.05.2017)****1) Works in progress**

Sr.No.	Name of Work
1.	Non-comprehensive annual maintenance contract for firefighting system, addressable fire alarm system and public address system at Academic cum Library Building and Taylor Hall Building.
2.	Providing M.S. grills to residential quarters.
3.	AMC for 04 nos. lifts at Taylor Hall.
4.	AMC for air conditioners and water coolers.
5.	AMC for 12 nos. Air Circuit Breakers.
6.	AMC for 16 nos. 60/80 water coolers and 01 no. AGCCP Aquaguard water purifier.
7.	Non-comprehensive AMC for hydro pneumatic system at main reservoir, Taylor Hall and ALB.
8.	Annual operation contract for HVAC plant (high & low side) at ALB.
9.	Non comprehensive operation of central HVAC plant at ALB. (confirmatory)
10.	Comprehensive AMC including spares parts & labour with oil & refrigerant of HVAC plant at ALB.
11.	Waterproofing at 6 th floor chajja of ALB terrace.
12.	Providing shower partitions at toilets of suite 90. P & 10 of Anand Vihar Guest House.
13.	Replacing flooring of suite no. 9 & 10 including replacing of toilet tiles, removal of bath tub at Guest House (Anand Vihar).
14.	Replacing flooring of suite no. 12, conference room, replacing tiles at suite no. 11 & 12 including removal of bath tub at Guest House (Anand Vihar).
15.	Providing fencing at watchman quarters in front of S & T office and Garrage.
16.	Providing fencing around open plot at Shiv Temple area.
17.	Replacing damaged pipeline and providing plumbing fitting at suite no. 9 & 10 of Anand Vihar (Guest House).
18.	Providing mosquito net aluminium window at dining hall of Taylor Hall hostel building.
19.	Annual maintenance & service contract for 750 kVA D.G. Set.
20.	Supply of casual labourers for various activities in NITIE campus.
21.	Internal painting to Type-II (17-32), Type-II (33-44), watchman quarters.
22.	Providing approach road to parking behind transit bldg. & plinth protection to transit bldg. & Type-II (1-16).
23.	Replacing external G.I. pipeline of Type-III & Admn. Bldg. & Academic bldg., repairs replacement of damaged chajjas at Type-IV (2-7) & Type-III (1-8).

**2) Works completed**

Sr.No.	Name of Work
1.	Patch repairs to campus roads.
2.	Repairs to damaged RCC wall and columns and repairs to ramp of garage at guest house.
3.	Supplying and installation of LED tubelights for Gilbreth Hall and MDP Hostel.
4.	Waterproofing to terrace of Type-V (17-22) building.
5.	Providing ramp at Academic cum Library Building.
6.	Soil investigation work for proposed Director's Bungalow at NITIE Mumbai.
7.	Replacement of floor and tiles at washing place at MPD hostel kitchen.
8.	Renovation of Security and Transport section.
9.	Internal repairs and painting to Type-I (22-37) and Type-II (35 & 43).
10.	SITC of 500 kVA Servo Controlled Stabilizer at ALB.
11.	Providing mosquito net dummy shutter at Taylor Hall.
12.	Providing powder coated curtain rods at Taylor Hall.
13.	Water proofing to Type-III (1-8) building.
14.	Water proofing to S & T passage, roof, post office and cafeteria.
15.	Creation of kitchen at Taylor Hall (Civil work).
16.	Re-plastering of duct area of Type-IV (24-31) bldg. and Type-V (17-22) bldg.
17.	Replacement of drainage rain water pipeline & GI pipeline at Type-I (22-37) bldg. and Type-II (1-16) and Type-V (16-23) bldg.
18.	Exhaust system work at Taylor Hall.
19.	Gas line at Taylor Hall kitchen.
20.	Renovation of toilet at Transit 10-A flat.
21.	Repairs to submersible pump motor of hydro-pneumatic system at Taylor hall.
22.	Renovation of flat no. 10-B of Transit bldg. flooring work.
23.	Soil investigation work for proposed Director's Bungalow at NITIE Mumbai.
24.	Replacement of floor and tiles at washing place at MPD hostel kitchen.
25.	Renovation of Security and Transport section.
26.	Internal repairs and painting to Type-I (22-37) and Type-II (35 & 43).
27.	Renovation of flat no. 10-B of Transit bldg. flooring work.
28.	AMC for 750 kVA D.G. Set.
29.	Temporary shed at new gate.
30.	Waterproofing at SBI.
31.	Temporary shed at Director's Bungalow at IIT Bombay.
32.	Creation of kitchen at Taylor Hall.



Sr.No.	Name of Work
33.	Partly glazed paneled door and rolling shutter at rear side opening of ALB.
34.	Supply and installation of 630 A MCCB near S&T office power connection.
35.	Supply & installation of 31/2 core 300 sq. mm. armoured power cable.
36.	Rewinding of canvas hose with coupling of Taylor Hall.
37.	Repairing of hydrant jockey pump at ALB.
38.	Refilling of fire extinguishers at Taylor Hall.
39.	Internal painting to main entrance staircase area from ground to Director's office, Registrar office & ground passage of Admn. Bldg. for convocation.
40.	Internal/external painting of porch area, entrance lobby, basement dining hall, VIP dining hall at Guest House (Anand Vihar) for convocation.
41.	Internal painting to ground, 1 st , 2 nd , floor passage & staircase area at ALB.
42.	Providing ramp at Guest House.
43.	Painting of security cabins and new gate & main gate, circle around Dr. Ambedkar statue and adjacent walls, M.S. pipe railing and pipe structure from Registrar office to Auditorium, railing at faculty lounge.
44.	Repairs to damaged members of passage from OCA bldg. to Admn. Bldg. (telephone exchange).
45.	Providing pandal and stage arrangement for XXII convocation to be held on 17.9.2016.
46.	Creation of place for washing machines at ground floor at Taylor Hall.
47.	Providing gate for power house entrance.
48.	Cleaning and housekeeping of ALB.
49.	Replacing existing car body of lift at MDP hostel.
50.	Providing fencing around open plot bearing CTS Nos. 54(a) & 67(B).
51.	Providing S.S. railing along passage from road to telephone exchange.
52.	Internal painting of Director's office at ALB.
53.	Internal painting of library cabins/rooms at ALB.
54.	Providing name board to residential bldgs.
55.	Road marking at NITIE campus.
56.	Providing vertical blinds at library area of ALB.
57.	Patch repairs at flat nos. Type-IV: 24, 27, Type-III: 8, Type-II: 6,7,15, Type-I: 42 to 45, 49.
58.	Providing box panel at Director's office at ALB.
59.	Providing and fixing false ceiling at vendor room/ book display room at library at ALB.
60.	Construction of drainage chamber at Type-I (22-37) bldg.
61.	Replacing flooring of suite nos. 3,4,5,10,11. External painting & internal patch painting of Guest House (Anand Vihar).
62.	Repairs to damaged structural members at Programme section including old class room no. 05, 06 (internal area).



3) Progress Report of Construction of Academic-cum-Library Building & Hostel Building

(a) Construction of Academic cum Library Building

Architect: Architect Hafeez Contractor

Project Management Agency: CPWD

Contractor: M/s Nagarjuna Construction Co. Ltd.

Estimated amount put to tender: Rs.24,87,71,850.00

Contract Value: Rs.35,74,76,155.00

Modified Preliminary Estimate submitted by C.P.W.D. (B.O.G.128th dt.5.12.2008):Rs.43.20 Cr

Scheduled Date of Start: 27.05.2009.

Scheduled Date of Completion: 26.12.2010.

Revised Date of completion: 30.11.2011

Present status: Civil work has been completed as per the intimation received from CPWD. Institute has applied for occupation certificate.

Interior work taken up with CPWD.

Interior work in progress.

Building occupied from 06.06.2016.

Fire NOC obtained and process for OC initiated.

b) Construction of Multistoried Hostel Building

Architect: Shashi Prabhu and Associates

Project Management Agency: CPWD

Contractor: M/s Klassic Construction Co. Ltd.

Estimated amount put to tender: Rs.18,37,99,597.00

Contract Value: Rs.26,76,97,291

Modified Preliminary Estimate submitted by C.P.W.D. (B.O.G.128th dt.5.12.2008):Rs.40.50 Cr

Scheduled Date of Start: 06.03.2010

Scheduled Date of Completion: 05.11.2011

Revised Date of completion: 30.04.2012

Present status: Received Part Occupation

Certificate for Ground plus six floors.

Fire NOC received.

Building occupied in June 2015.

Process for Full Occupation Certificate in progress.

Consent to Operate (First) approved by MPCB.

4) Encroachment of land at NITIE: Conducting Survey

Brief status report is as below:

- (1) There is approximately an area of 6 acres of land which has been encroached on date. The exact nos. of hutments eligible for rehabilitation subject to other parameters are required to be verified through a survey.
- (2) As per the prevailing rules and regulation framed by Maharashtra State Govt., NITIE has to contact the Collector (Encroachment/ Evacuation) for conducting the survey to identify the eligible/ineligible hutment dwellers and also to remove the encroachment from NITIE land. This course of action was directed by Secretary, Housing Department, Mumbai – 32 vide his letter dt.20.05.2005.
- (3) As such NITIE vide its letter under Ref.1 Our letter dt. IE/2007/465/298 dt. 17.12.2007 requested Additional Collector (ENC) Eastern Suburbs, Mumbai to carry out the said survey. For this an NOC from Central Govt. has also been submitted to Addl. Collector (ENC), Eastern Suburbs, Mumbai.
- (4) Additional Collector vide his letter under Ref.2 Letter received from Additional Collector Encroachment / Evacuation), Eastern Suburbs, Mumbai dated 15.2.2008 replied and informed us to carry out the said survey by NITIE and submit the survey-list with proofs to his office and after that his office would obtain order from State Govt. and then his office would



decide the eligibility/ineligibility of hutment dwellers.

- (5) On 22.2.2008 this matter was discussed with Shri Jagdale, Additional Collector (Encroachment/Evacuation), Eastern Suburbs, Mumbai. Although he accepted that it is a duty of his office to carry out the survey he showed his inability to carry out survey due to shortage of manpower. He suggested that survey may be carried out by Institute or by engaging private surveyor or NGO and also he gave some sample proforma and related Govt. G.R. copy.
- (6) Considering above facts following options were available to carry out the survey:
 - (i) To carry out the survey by Institute
 - (ii) To carry out the survey by engaging Private Agency or NGO
 - (iii) To insist the State Govt. to carry out the survey.

As this Institute has no expertise and sufficient manpower to carry out the survey so Option-(i) is not suitable. For option No. (ii) Institute has to incur the expenditure. So NITIE has taken a decision to opt option III as it is the best, most reliable and there will be no expenditure except a nominal fee as fixed by State Govt.

- (7) After finalization of list Institute has to approach MHADA for Slum Rehabilitation Scheme.
- (8) As such NITIE requested Principal Secretary, Housing, Govt. of Maharashtra to carry out the survey to identify the eligible/ineligible hutment dwellers on the encroached land of NITIE vide letter No. IE/2008/G-65/154 dt. 09.05.2008. But there is no response from them till date. Hence this matter was pursued with Government of Maharashtra.
- (9) With reference to above said letter Govt. of Maharashtra vide their letter No.Mis.2008/CR

178/Slum-2 dt.11.12.2008 informed to NITIE that Maharashtra Govt. is not empowered to conduct the survey of the encroached land other than the land belonging to State and Semi-Govt. and requested to carry out the survey of encroached land of NITIE including the list of hutment dwellers and map of the said area through NGO. If required Maharashtra Govt. will only help this Institute to ascertain the eligibility of hutment dwellers on the basis of NGO report. It has been also informed that after receipt of report from NGO appropriate action will be taken by Maharashtra Govt. Now NITIE has enquired vide letter No.EE/2009/82 dt.7.8.2009 the Maharashtra Govt. regarding whether the NITIE land encroachment/unauthorized occupation is coming under Slum Rehabilitation Scheme or not. On confirmation of this NITIE will take this matter with MHRD and plan further course of action. In reply to this Maharashtra Govt. vide its letter No.SRA/ENG/Desk-1/G.R.V./006/5 dt.4.12.2009 has replied that as per prevailing policy, the S.R. proposal on the land owned by Central Govt. Autonomous Body/PSU is accepted after receipt of NOC from the concerned authority.

Now this matter is being discussed with SRA Officials before applying for NOC for SRA Scheme to HRD Ministry.

- (10) Regarding Slum Rehabilitation Scheme implementation, information from MHADA has also been sought vide our letter No.EE/G-118-B/2010-11/30 dt.7.5.2010. Their reply is awaited.
- (11) The above facts were considered in the 131st meeting of Board of Governors, NITIE held on 26.6.2010, and it was decided to take-up the matter with the Ministry of HRD so that the Govt. of India can suitably refer the matter to the Govt. of Maharashtra for early settlement of the issue. Now this matter is being taken up



with Govt. of India for settlement of this issue. In this regard Ministry has been requested vide our letter No.EE/2010/G-118C/272 dt.28.10.2010 to take up this matter with Govt. of Maharashtra. Govt. of India is now being pursued vide our Letter No.EE/2011/351 dt.8.3.2011.

- 12) A letter dated 08.11.2013 was sent to Deputy Secretary (TEL), appraising him of the land details and earlier correspondences. It was requested by the Institute to take up this matter with the Govt. of Maharashtra for suitable further necessary action for early settlement of the issue.
- 13) Letters dated 08.11.2013 and 27.02.2014 were sent to Senior General Manager (Business Development), NBCC Limited requesting them whether NBCC could undertake implementation of SRA Scheme in case of land owned by Central Govt. Autonomous body. In its reply NBCC expressed their inability to take up the work.

5) REPORT ON LAND MATTER AND ENCROACHMENT OF NITIE LAND.

- 1) A letter dt.2.2.2013 was received from Sub-divisional Officer, Office of the Mumbai Suburban District mentioning charges for N.A. use of 250193.41sq.m. land including penalty amounting to Rs.57,44,438/- under Section-45 of Maharashtra Land Revenue Code, 1966. The matter was discussed with NITIE, Legal Adviser M/s. A.M. Nathani & Associates. A reply dt.14.2.2013 was submitted to the Sub-divisional Officer, Office of the Mumbai Suburban district mentioning exemption for Educational Institutions from paying N.A. charges under Clause-4 of Section-117 as well as Clause-5 of the said section.
- 2) Letter ref. no. ACS/22844/AEBF dated 9.11.2012 was received from Assistant

Municipal Commissioner 'S' ward, BMC mentioning unauthorized construction being carried out on Aarrey land.

- 3) Letter ref. no. ACS/22844/AEBF dated 30.01.2013 was received from A.E. (B & F) 'S' ward, BMC mentioning unauthorized construction being carried out on NITIE land. (Aarrey mentioned in earlier letter corrected as NITIE land).
- 4) Letter ref. no. ACS/34294/AEBF dated 18.02.2013 received on 25.02.2013 from to "Assistant Municipal Commissioner 'S' ward, BMC" mentioning encroachment by local antisocial elements.
- 5) The matter was brought to the notice of Legal Adviser NITIE, who prepared a draft reply to BMC.
- 6) Note dated 20.02.2013 was put up for approval of the draft reply to BMC 'S' ward. The approval was received on 25.02.2013.
- 7) Note dated 20.02.2013 was put up for approval of the draft reply to BMC 'S' ward. The approval was received on 25.02.2013.
- 8) The reply dated 26.02.2013 was sent to "Assistant Municipal Commissioner 'S' ward, BMC", mentioning willingness of the institute for paying necessary demolition charges.
- 9) Letter ref. no. ACS/37793/AEBF dated 14.03.2013 received on 20.03.2013 from A.E. (B & F) 'S' ward, BMC mentioning that 29 shanties were demolished on 06.03.2013 on the basis of letter dated 26.02.2013 received from NITIE. It is stated in the letter that the demolition charges of Rs. 11,349/- are required to be paid to BMC by the institute. It was further mentioned in the letter that since NITIE is the landlord of the said land, it should protect its land from any further encroachment/unauthorized construction



work and BMC should not be held responsible for the same. Payment of Rs. 11,349/- vide cheque no. 177724 dated 28.03.2013 was made accordingly.

- 10) Reconstruction of demolished hutments was observed again. Note dated 28.3.2013 was put up for approaching BMC for demolition of these hutments. Accordingly, letter ref. no. EE/2013/564 dated 05.04.2013 was sent to "Assistant Commissioner 'S' ward, BMC" requesting demolition of the encroachments.
- 11) Subsequently, letter ref. no. EE/2013/78 and EE/2013/79 dated 27.05.2013 were sent to Assistant Commissioner 'S' ward and Assistant Engineer (B & F) 'S' ward BMC.
- 12) Assistant Engineer (B & F) 'S' ward BMC vide its letter ref. no. ACS/665/AEBF dated 24.6.2013 intimated the Institute that they have demolished the unauthorized construction on 20.6.2013 and requested for the payment of demolition charges amounting to Rs. 12,318/-.
- 13) A letter ref. no. EE/2013/202 dated 18.09.2013 was sent to "Assistant Commissioner 'S' ward, BMC" for removal of encroachment on open land and construction activity carried out at Dayabhai Chawl. In response a letter dated 17.10.2013 was received from Sr. Inspector (Ench.) 'S' Ward, mentioned that they have taken encroachment removal action and have seized the goods.
- 14) Some development were observed relating to renovation and expansion of Gaondevi temple. The matter was immediately reported to BMC and Powai Police Station. However, no support was received from the BMC and Police in this regard. Legal notices were served to BMC, Police and other people involved in the act. A case has been filed with Bombay High Court. Draft letters were sent to the Ministry for taking up the matter with The Additional Chief Secretary,

Home Department, Govt. of Maharashtra and The Principal Secretary, Deptt. of Urban Development, Govt. of Maharashtra

- 15) A letter dated 6.2.2014 was received from Assistant Engineer 'S' BMC in response to an e-mail sent by Director to Municipal Commissioner, MCGM. A letter dated 20.2.2014 was sent to them.
- 16) The long pending issue related to Sub-divisional Officer, Office of the Mumbai Suburban District mentioning charges for N.A. use of 250193.41sq.m. land including penalty amounting to Rs.73,90,712/- and further fine of Rs.9,85,762/-under Section-45 of Maharashtra Land Revenue Code, 1966. The matter was discussed with NITIE, Legal Adviser M/s. A.M. Nathani & Associates. A reply dt. 4.2.2013 was submitted to the Sub-divisional Officer, Office of the Mumbai Suburban district mentioning exemption for Educational Institutions from paying N.A. charges under Clause-4 of Section-117 as well as Clause-5 of the said section. The hearing was attended on 13.2.2014 and the matter was closed as desired by the Institute.
- 17) The District Supdt. of Land Records, rejected the appeal filed by Sir Mohd. Yusuf Trust, against the order of City Survey Officer Mulund.
- 18) Demarcation of Institute land carried out by City Survey Office Mulund, Mumbai.
- 19) The work of fencing of the Institute land under CTS 54(A) & 67(B) has been completed.
- 20) The work of fencing of the Institute land under CTS 34 & 35 has been 90% completed.
- 21) Two illegal structures were demolished by the Institute.



NITIE DISPENSARY

The National Institute of Industrial Engineering's (NITIE's) Dispensary is well managed with well qualified Paramedical and Medical staff members under the control and guidance of Medical Officer. The dispensary is the backbone of the Health of all NITIE community. NITIE Dispensary opens every day for 12 hours morning 9.00 am to 9.00 pm. The daily patient attendance is approximately 70-75 numbers. NITIE Dispensary provides following services to the all PGP and PhD. Students, including all staff and faculty members and their families.

- 1) **Ophthalmologist:** One consulting Ophthalmologist visits twice a day for 3 hours and take care of all the patients.
- 2) **Gynecologist:** One Gynecologist consulting Doctor visits NITIE Dispensary once in a week to take care of ladies patients.
- 3) **Pediatrics:** One Pediatrics consulting Doctor visits once in a week for two hours.
- 4) **Physician:** Physician consulting Doctor visits NITIE Dispensary six days a week for hour hours.
- 5) **Dentition:** One Dental Consulting Doctor visits NITIE Dispensary five days a week for two

hours. NITIE Community is been beneficiary of these services provided by NITIE Dispensary.

- 6) **Homeopathy:** Presently three hours twice a week homeopathy medicines and consultation is been made available for NITIE Community by qualified Doctors.
- 7) **Counselor:** Being understand the academic pressure and hectic work schedule, the service of one qualified counselor is been arranged in NITIE Dispensary. This service is available twice a week for two hours.
- 8) **Physiotherapist:** Physiotherapist consultant is always available Monday to Friday for two hours in NITIE Dispensary to take care of NITIE Student and Employee community.
- 9) **Ambulance Service:** One full fledge ready Ambulance is been hired on contract and made available for 24X7 to NITIE Community.

The NITIE Dispensary has paramedical staff Nurse and Compounder for any emergency and day to day basis medicines dispensation. This service has been provided since last 30 years without any interruption and with dedication.



SECURITY & TRANSPORT DEPARTMENT

NITIE has 5 security guards at present, further NITIE has out source the security work to Maharashtra State Security Corporation (MSSC). The security personnels always on high alert on security point of view. NITIE has 63 acres land and it's surrounding has slum area which is challenging job to security personnel. Anti social elements and land grabbers are some time making illegal construction and they are trying to encroach the open land. NITIE Security personnel's are taking precautionary measures and time to time necessary action with the help of BMC and Powai Police Station to avoid such type of incidents.

NITIE security is doing 24 hours patrolling in side the campus as well as surrounding of the Institute.

At present security is having total 8 posts in the Institute premises.

NITIE Transport Section has 1 Bus which facilitates to our students as and when required to visit the industries. NITIE is also facilitating transportation to avoid the time consumption of NITIE students for their project work as and when required.

Superintendent (Security & Transport), Dy. Registrar (Administration), Registrar Incharge and Prof. Incharge (Security & Transport) are looking after the work for smooth functioning.



FOREIGN EXPERTS VISITS TO NITIE



**Dean Moez Limayem, USF,
Florida, USA**

The Dean of the Muma College of Business, University of South Florida (USF), Tampa, FL, Prof Moez Limayem visited NITIE Mumbai on April 15, 2017 and addressed the Faculty Members, Fellow and Doctoral students on his research interest in data analytics. He spoke on the topic: “Business Analytics: How Smart Organizations Use Big Data to Outperform the Competition.” The seminar was scheduled from 11:30 AM - 1:00 PM, with 30 minutes of interaction and Q&A session. Later Dean Limayem also discussed collaborative research and Post-Doctoral Fellowship opportunities at USF, FL, USA. The seminar was followed by an official lunch, hosted by Professor - in - Charge (International Relations) Dr Ranjan Chaudhuri.

NITIE – University of East London (UEL) Global Summer Immersion Program June 2017 at NITIE Campus was a short-term Study Abroad program, designed by Hon’ble Dean (SRIC) Prof. Karuna Jain and Dr Ranjan Chaudhuri, PIC (IR) to develop MBA students from UEL and PGP students from NITIE with the Cultural Intelligence (CQ) to be leaders in the modern world. CQ is the ability to cross-boundaries and thrive in multiple cultures. The CQ Core and Flex model provides the learning framework and enables students to maximize the

learning from their Study Abroad experience, and to articulate their learning upon their return. The event, organized from 05 – 08 June 2017 was the biggest International event organized and coordinated by PIC (IR) Dr Ranjan Chaudhuri. Twenty five graduate students from diverse fields ranging from Medicine to Engineering to Architecture to Business and Social Sciences from University of East London (UEL), three Faculty Members from the same University and twelve students from NITIE participated in this programme. This programme offered immersive leadership experience where the city of Mumbai is used as a classroom, this aiding the students to gain unrivalled access and insight into how leaders in the cities lead (and don’t lead); whether they work in NGOs, business, government, or simply act as citizens. Dr Ranjan Chaudhuri opened the programme with his introductory address to the students and faculty members from UEL and NITIE. The four days’ programme witnessed classroom sessions, hands – on collaborative projects and industry immersive sessions in organizations and companies like Akshara Centre, NASSCOM, Magic Bus India Foundation, Mumbai City Police and Godrej India Limited. Interspersed between the day

long sessions were impromptu cultural performances by the students and visit to the bustling tourist centres of Mumbai. The students received their certificate of graduation on the final day, followed by a valedictory address by PIC (IR) Dr Ranjan Chaudhuri. In their parting note, the visiting Faculty Members and students from University of East London greatly appreciated the kindness of the Institute Director in hosting such an event and making the programme a grand success.



NATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND TECHNOLOGY MANAGEMENT (NCIETM 2016)

*Enhancing National Competitiveness
Role of Industrial Engineering and Technology Management*

NOVEMBER 17 - 19, 2016



The 2nd National Conference on Industrial Engineering and Technology Management: Enhancing National Competitiveness: Role of Industrial Engineering and Technology Management was held from 17-19 November 2016 at NITIE, Mumbai in association with Indian Institution of Industrial Engineering (IIIE), Malaviya National Institute of Technology, Jaipur, National Productivity Council and PEC University of Technology, Chandigarh.

The conference committee comprised of:

- Prof. Ashok K. Pundir, Dean (Student Affairs NITIE, Conference Chair
- Prof. Padmanav Acharya, Conference Co-Chair
- Prof. Ruchita Gupta, Conference Co-Chair

The conference brought together delegates from industry, academia and professional the role of Industrial Engineering and Technology Management in enhancement of national competitiveness. Discussions focussed on the ways to expand capacity to address current and future development challenges, place national strategies in a global context and position institutions for high performance. It also provided a valuable networking opportunity and set the stage for further cooperation among various institutions. The conference began with opening remarks by the Conference Chair-Prof. Ashok K Pundir setting the tone and objective for the conference. The conference focussed on six sub themes namely, Industrial Engineering Principles & Techniques, Application of Industrial



Engineering in Manufacturing and Production Systems, Applications of Industrial Engineering in Business Processes, Technology Acquisition, Technology and Innovation Management Process, and Technology Commercialization for which the papers were invited. Under these themes **66 papers** were finally selected for paper presentations and for publishing into the conference proceedings. The conference started with the Inaugural ceremony. The proceedings were released during the inaugural session followed by multiple sessions namely **3 panel discussions**, one on each day by industry and academic experts, **4 keynote addresses** and **16 technical tracks** for paper presentations. **Four workshops** were conducted on different topics- ***Simulation of Manufacturing Systems*** by Prof. Vivek Khazode, NITIE ; ***Ergonomics for Productivity Enhancement*** by Prof. Rauf Iqbal, NITIE ; ***Managing Innovation for Competitive Advantage*** by Dr. Sanjay Bhardwaj, Scientist, ARCI, Hyderabad and ***Mr. Venkatesh Lokswamy***, Managing Director, Innomantra Consulting Private Ltd; ***Additive Manufacturing for Competitiveness*** by Prof. Milind Akarte, NITIE.

Inaugural Session



Welcome address by **Prof. Ashok K. Pundir**, Conference Chair

Address by **Cdr. B. M. Bhandarkar**, Director General-IIIIE

Address by **Prof. Manoj K. Arora**, Director, PEC University of Technology

Address by **Prof. L. Ganpathy**, Officiating Director, NITIE and Conference Technical committee chairman

Inaugural Address by Chief Guest: **Dr. Kamal Sharma**, Vice Chairman, Lupin Limited

Key Note Address by **Dr. V. Kovaichelvan**, Director, TVS Institute of Quality & Leadership, TVS Motor Company on *Emerging Role of IE in Enhancing National Competitiveness*

Vote of Thanks: **Prof. Padmanav Acharya**, Conference co-chair

The conference began with opening remarks by the Conference Chair-**Prof. Ashok K Pundir, Conference Chair** with the welcome address and setting the tone and objective for the conference. He highlighted the uniqueness of the conference as “Triveni Sangam” of - Industry, Academia and Professional bodies and a huge participation of experts and delegates in the conference.



The Chief Guest, Dr. Kamal Sharma, Vice Chairman, Lupin Limited highlighted on the ideology of competitiveness and its inclusion in the discourse of management both at macro and micro level. He mentioned that the first indicator of competitiveness emerged in late 1960 with the emergence of BCG matrix by Boston Consulting Group which became the starting point of discussion



for competitiveness in business. He highlighted that the need to become competitive emerged with the saturation in demand and excess supply. Initially whatever was made was accepted but this soon led to the saturation of demand. Further, focus shifted on analysing the ways to achieve competitiveness through core competency and focussing on the rare and unique resources. Later, in addition to planning, execution became critical for competitiveness. This led to the importance of strategy and innovation management as its critical aspect. Productivity and technology management has now become the core of competitiveness. Further, he stressed that competitiveness can be achieved through opportunity acquisition.



Further, **Cdr. B M Bhandarkar**, *Director General – IIIE* mentioned Industrial Engineering as the umbrella of all disciplines. He highlighted on



the technological and social aspects of Industrial engineering in environmental, energy, solar, nuclear and conventional. He emphasized that if innovations are not diffused into the organisations they won't be of any use. He accentuated the need to have an effective and visionary leadership.

Also, **Prof. Manoj K. Arora**, *Director, PEC University of Technology*, asserted that national prosperity is created and not inherited. It doesn't grow out of countries natural endowments but it depends on the nations' capability to upgrade and innovate. He highlighted the role of Information technology as a catalyst in industrial engineering and it has to be manage effectively for its full utilization. He mentioned that our focus should not be to produce engineers but to make engineers.



Further, **Dr. V Kovaichelvan**, *Director, TVS Institute of Quality & Leadership*, in his keynote address mentioned that side effects of Industrial development could have been avoided if Industrial engineering would have been applied in the upstream process of designing the systems. He highlighted the opportunities of applying industrial engineering in the field of agriculture. Further, business excellence model works on two principles that are continuous improvement and respect for people. Learning, co-creating and understanding human factors in industrial engineering practices are crucial.



He also put forward a suggestion to develop joint papers between academia and industries on reducing the upstream wastages. A suggestion for joint papers between academia and industries for the future conferences on how to reduce upstream wastages that can contribute towards the Indian competitiveness was also suggested. He said if we apply industrial engineering and technology management in the upstream process in a collaborative manner then many breakthrough achievements can happen.



Prof. L. Ganapathy, Professor, NITIE, focused on the importance of national competitiveness and highlighted its eight pillars (source, global competitiveness report) namely set of policies, set of institutions, productivity of the country, sustainability, quality of infrastructure, technological readiness, specialization, overall quality of governance. He also put forth that the

national competitiveness will lead to productivity which in turn will bring prosperity to people.

The Inaugural session ended with the Vote of Thanks by **Prof. Padmanav Acharya**, conference co-chair, NITIE



Panel Discussion 1: Evolving IE concepts to meet future challenges

The four speakers **Mr. Yashpal Singh Negi**, Sr. Vice President (SCM) Subros Ltd.; **Mr. Rama Shanker Singh**, Head Productivity Services, Tata Steel Ltd. Jamshedpur; **Prof. Narayan Rangaraj**, Professor (IE&OR) & Dean (Academic Programs), IIT Bombay; **Mr. Pankaj Agarwal**, Vice President-Operational Excellence, Lupin Limited, Mumbai and **Prof. KVSS Narayana Rao**, Professor, NITIE, Mumbai discussed the micro and macro level issues and challenges that can be answered by Industrial Engineering. Prof. KVSS Narayana Rao set forth the platform for the panel members to discuss the role and contribution of Industrial engineers towards the technical system of the country. Panellist mentioned that Industrial Engineering (IE) focuses on economics, efficiency, and improvement of engineering system, and is applicable in all engineering branches that mainly involves design of product, components & process. With the customers changing demand, organizations need to be innovative. Every company wants to have a better product with low cost and

for achieving that product innovation is essential. Therefore IE is critical to take care of the waste elimination and Industrial engineers have to find better way to manufacture product, bring safer and healthier systems, adopting a system approach to solve a problem and intensive way of utilizing IT for improving speed and accuracy. Further, dedication towards the task with integrity and honesty, and soft skills in addition to technical skills can bring success.



Panel Discussion 2: Ecosystem for Technopreneurship

Prof. Kirankumar S. Momaya, Professor IIT Bombay; **Prof. Anand Kusre**, Professor IIT Bombay, **Mr. G Sunderraman**, Director Godrej & Boyce, **Mr. Mangesh Patankar**, IBM India Pvt Ltd, **Prof. R. Mukundan**, Assistant Professor, NITIE, Mumbai as the moderator of the Panel.

The discussion started with Prof. Mukundan briefly describing the current Indian scenario with other emerging and developing Asian countries on several factors like Innovation, Institutes, Technology Readiness, Market size, Entrepreneurship, Infrastructure etc. The panellist put forward that the current challenge in India lies in difficulty in reaching the market to lower end of the pyramid and meeting the needs of the customers. Another challenge put forth was the difficulty to market physical products than the applications/software products. The technopreneurship was highlighted as

the key mechanism for enhancing competitiveness. Two important things for venture creation were highlighted--the act of creation and the person who is performing the act of creation. It was mentioned that technopreneurship require different levels of competencies for exploring and exploiting the opportunity. Role of mentors and awareness about the success stories is required to overcome the challenges.



Panel Discussion 3: Contemporary Practices for Enhancing Competitiveness

Mr. Dev Bhattacharya, Group Executive President & Business Head, Aditya Birla Group ; **Mr. G. S. Tuteja**, Chief Signal & Telecommunication Engineer, Western Railway ; **Mr. J. Rama Krishna Rao**, Additional Secretary, Ministry of Defence, Govt. of India ; **Air Marshal P. P. Khandekar**, Air-Officer-in-Charge, Maintenance, Air Head Quarter ; **Mr. Kunal Pande**, Partner, Management Consulting KPMG, **Ms. Charulata Ravikumar**, CEO India, SapientNitro & Razorfish as the moderator of the Panel.

Ms. Charulata Ravi Kumar set the context of panel discussion by indicating India's progressive shift in world Economic Forum especially in business sophistication and innovation parameters. India being world's 3rd largest country, challenges related to infrastructure, food, and water were highlighted which needs to overcome. Panellist



indicated India as the largest pool of scientific and engineering talent indicating a potential towards contributing to its competitiveness. Indian MSME's are crossing bars in achieving international standards. Further it was highlighted that that indigenization of defence component is achieved with the support of more than 3000 MSME's across the country. Panellist emphasized on the role of value chain in being competitive. One needs to know which part of value chain needs to harvest for being competitive. In addition, panellist stated that currently, infrastructure development especially in transportation and broadband services are lagging in India. The land acquisition reforms were highlighted for better infrastructure development and communication.



Key Note Address

Mr. Aspi M. Kolah, Director, Quality & Systems Implementation, Forbes Marshall Group of Companies

Mr. Sanjeeva Kumar Jain, Global Head – Business Performance Management, Cognizant

Mr. Ravi Bhamidipati, President, WORXOGO, Mumbai; Former Executive Director, PwC

Chair: **Prof. L. Ganapathy**, Professor and Dean (Administration), NITIE

Mr. Aspi M. Kolah focussed on achieving manufacturing excellence through IE. He underlined that productivity is of critical importance to IE and

enhancement of product throughput is important for any company. Enhanced productivity in process and material movement through application of pareto and Poka yoke were demonstrated through success case studies. He emphasized organizations to go for semi-automaton.



Mr. Sanjeev Kumar Jain spoke about the inception of IE concepts which started in the automobile industries like Ford and Toyota. He spoke about the importance of innovation and value engineering. Shortage of parts and shortage of right talent at the right time is a critical challenge in the industries. He emphasized about training and development of skilled professionals referring to the MTO and MTS models. He pointed out that in today's world things are moving from doing things to getting things done. Industry is shifting from „owning economy' to „shared economy' because of which the cost goes down. The key drivers of effectiveness are quality and acceptance.





Mr. Ravi Bhamidipati highlighted the motivation and behavioral maps (referred to as MOBI maps) that WORXOGO uses to analyze various organizational matters. That 60% of the transformational decisions fail because of people not willing to change. He said that the skills we possessed yesterday are



not sufficient for tomorrow. He pointed out that in earlier days IE and ergonomics concepts were employed to reduce physical fatigue. In today's world the same should be applied to reduce mental stress. He highlighted the challenge of adoption while introducing any new technology especially in rural.

WORKSHOPS at NCIETM 2016





Valedictory Function: Closing remarks

Welcome address by: **Prof. Ash ok K. Pundir**,
Conference Chair

Address by : **Prof. L Ganpathy**, Dean
(Administration), NITIE and Conference Technical
Committee Chairman

Address by : **Prof. P. Acharya**, Conference Co-
Chair

Address by Chief Guest: **Mr. J. Rama Krishna Rao**
, Addit i ona l Secretary, M i ni stry of Defe nce ,
Govt. of India

Vote of Thanks : **Prof. Ruchita Gupta**, Conference
Co-Chair

The Chief Guest-. **J. Rama Krishna Rao**,
Additional Secretary, Ministry of Defense, Govt. of
India, emphasized on collaborating with NGO's for
enhancing competitiveness through technol ogy.
He mentioned that the selection of NGO should
be based on word of mouth. The claboration with
them will help to make the technology available to

rural India and better understand the challenges
associated. Further, emphasis on infrastructure
projects was also highlighted.

Prof. P. Acharya, Conference Co-Chair presented a
summary report on the three day conference during
his address.

The conference was concluded with the Vote of
Thanks by Prof. Ruchita Gupta, N I T I E f o l l o w e d
by National Anthem.







NITIE ALUMINI ASSOCIATION

A. Annual General Body Meeting:

NITIE Alumni Association organized 32nd Annual General Body Meeting on 19th November, 2016, at NITIE, Mumbai. The members discussed about the various activities of NAA and also shared their views. Annual Statement of Account for the year 2015-2016 was passed by the members.

Following is the list of Executive Committee Members for year 2016-2017

President	: Prof. (Ms.) Karuna Jain, Director, NITIE.
Chairman	: Mr. Dev Bhattacharya
Vice-Chairman (PGP)	: Mr. Srini Madala
Vice-Chairman (MDP)	: Dr. P.R. Kondekar
Hon.Secretary	: Prof. (Ms) Sumi Jha
Hon.Treasurer	: Prof. Rakesh Raut

Zonal Representative:

West Zone (PGP)	: Mr. Akhilesh Laghate
East Zone (PGP)	: Mr. Sudip Sen
North Zone (PGP)	: ----
South Zone (PGP)	: Mr. V. Sanjeevi
West Zone (MDP)	: Mr. Shreeniwas V Devdhar
East Zone (MDP)	: -
North Zone (MDP)	: -
South Zone (MDP)	: -

Co-opted Members:

1. Mr. K.M. Madrecha - Middle East
2. Mr. Jayant Shukla - Middle East
3. Mr. Rahul Biswari - USA
4. Ms. Shweta Gupta - USA
5. Mr. Vinod Shrivastava - India
6. Mr. R.N. Mohanty - India

The Annual General Body Meeting was attended by 65 members of NAA, NITIE Faculty members and students representatives.

B. Alumni Activities:

1. Felicitation:

a) Distinguished Alumnus Awards is INSTITUTED FOR THE OUTSTANDING ALUMNI. DURING THE YEAR 2016, DISTINGUISHED ALUMNI AWARD WAS GIVEN TO MR. NIRBHAY KUMAR MEHTA, MR.G.S.TUTEJA AND MR. J.R.K.RAO, MR.SANAT CHATTOPADHYAY AND MR. P.P. KHANDEKAR DURING ANNUAL ALUMNI MEET SANSMARAN, ON 19TH NOVEMBER, 2016.

B) FOLLOWING PGP,FELLOWSHIP AND MDP PARTICIPANTS WERE FELICITATED DURING SANSMARAN, ON 19TH NOVEMBER, 2016

Following batches to be felicitated:

- a) 40 years of completion (PGDIE 4 Batch)
- b) 25 years of completion (PGDIE 20 Batch) – Silver Jubilee Batch
- c) 10 years of completion
 - (i) PGDIE – 34
 - (ii) PGDIM – 11
 - (iii) PGDISEM - 4
 - (iv) Fellow Students – Completion year 2006
 - (v) MDP Participants – Completion year 2006



2. NITIE Journal (Udyog Pragati and NITIE News) was circulated to our all alumni members.
3. Regional Alumni Meets at Various cities like Bangalore, Delhi, Mumbai, Kolkata, Pune and Hyderabad was organized during April-May 2016
4. Interaction with Alumni through Alumni website (www.nitiealumni.org) and networking sites like yahoo group, Google group, linked in, face book.
5. Involving Alumni in institute administration as Members of Board of Governors and Academic Council of NITIE.
6. Explore the opportunities for project and placements to the current students through Alumni in their Organizations.
7. Organize periodical guest lecturers of Alumni and interaction with students to develop their knowledge base.
8. Prof. (Ms.) Karuna Jain, Director & President NAA released "AlumNiti" the alumni magazine on 19th November, 2016 at the Annual Meet "Sansmaran"- 2016.

9. **Faculty Award/Student Ragan Scholarship was Given on 19th November, during Sansmaran' 2016:**

During the year 2016 Best faculty for special contribution to society /student community sponsored by Mr. Dev Bhattacharya was given to Faculty:

1. Prof. Nikhil Mehta
2. Prof. Vivekanand B Khanapuri

During the year 2016 Ragan Scholarship award sponsored by Mr. Ashwin Rangan was given to Students:

1. Ms. Ankita Kaushal – PGDIE- 46th Batch
2. Ms. Pooja Lekhak - PGDIE- 46th Batch

Executive Committee Meeting:

NITIE Alumni Association organized Executive Committee Meeting on 13th April, 2016 and 4th October, 2016 at Mumbai.

Membership Position: As on 31.03.2017

Membership Position: Total Membership: 7544 (PGPs: 5312 MDPs: 2162 Fellows: 70)



Panel Discussion in NCIETM



Annual General Body Meeting Annual Alumni Meet – Sansmaran



Lighting lamp by Director (Ms.) Prof. Kurna Jain



Mr. J.Rama Krishna Rao receiving DAA



Dr. Nirbhay Kumar Metha receiving DAA Mr. G.S. Tuteja receiving DAA



Air Marshall P.P. Khandekar Annual Alumni Magazine "AlumNiti" was Release



Mr. Vinod Srivastava - 4th Batch 40 Years Completion 10 Years completion Batches





Silver Jubilee Batch – 20th PGDIE Batch



Best Faculty Award Prof. Nikhil Mehta



Best Faculty Award Prof. Vivekanand B Khanapur

Sponsor by Mr. Dev Bhattacharya Best Faculty Award



Rangan Scholarship to Ms. Ankita Kaushal



Rangan Scholarship to Ms. Pooja Lekhad

Sponsor by Mr. Rangan Scholarship



Cultural Programme

HINDI IMPLEMENTATION

OFFICIAL LANGUAGE ACTIVITIES

HINDI WORKSHOP (April-June, 2016) :

A one day Hindi Workshop was organised in NITIE on 27th May, 2016. Two Officers & Six employees of the Institute participated in it. The eminent personalities working for the progress of Hindi delivered lectures on various subjects. Mrs. Sumathi Nair, Ms. Sunita Karkera, Mrs. Vandana Parkhal, Shri R Ramnath, Shri VA Patankar, Mrs. Sushama Bele, Shri N D Wankhade and Mrs. Veena Parab were present in this workshop. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.

HINDI WORKSHOP (July-September, 2016):

A one day Hindi Workshop was organised in NITIE on 11th August, 2016. Three Officers & Seven employees of the Institute participated in it. The eminent personalities working for the progress of Hindi delivered lectures on various subjects. Mrs. Sangita Jadhav, Shri Prashant Goswami, Shri G.M. Kokani, Shri RA Sawant, Shri LV Varthe, Shri Atul Dhoble, Shri AP Gadikar, Shri Dipesh Rawool, Shri Mahesh Rane and Shri SK Verlekar were present in this workshop. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.

HINDI WORKSHOP (October-December, 2016) :

A one day Hindi Workshop was organised in NITIE on 8th November, 2016. Four Officers & Seven employees of the Institute participated in it. The eminent personalities working for the progress of Hindi delivered lectures on various subjects. Dr. Utpal Debnath, Shri HK Sapre, Mrs. Shobhana Suresh, Ms. Sunita Karkera, Shri MP Desai, Shri CN Mokal, Shri L.K.Thopte, Shri JB Desai, Shri VA Patankar, Shri Nitin Devikar and Shri M. Marimuthu were present in this workshop. Md.

Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.

HINDI WORKSHOP (January-March, 2017) :

A one day Hindi Workshop was organised in NITIE on 14th February, 2017. Six Officers & Seven employees of the Institute participated in it. The eminent personalities working for the progress of Hindi delivered lectures on various subjects. Shri JK Karande, Shri K. Harikutty, Mrs. Leela Nair, Shri Ramotar Kumawat, Shri MA Darure, Shri SR Rasal, Shri RS Rawool, Shri Rajesh Lad, Shri DA Sawant, Shri RA Sawant, Shri M. Bhoominathan, Shri Ram Singh Rawat and Shri SM Sonkamble were present in this workshop. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.



A scene of Hindi Workshop

HINDI “PARANGAT” TRAINING COURSE (February-May, 2016) :

Fifteen Officers/Employees of the Institute have successfully completed “PARANGAT” Hindi Training course conducted by Hindi Teaching Scheme, Ministry of Home Affairs, Department of Official Language, Belapur, Navi Mumbai during February-May, 2016 session. The name of participants are : Shri H.K. Sapre, Mrs. Smita Patil,



Shri Prashant Goswami, Shri C.N. Mokal, Shri B.P.Jagtap, Mrs. Jalja Ramchandran, Mrs. Lalitha Puthran, Mrs. Jyotsna Naik, Shri V.A. Patankar, Shri R.A. Sawant, Shri Y.N. Thombare, Shri Ashok Gadikar, Shri N.D. Wankhade, Shri Ram Singh Rawat and Shri Muthayya Poojari. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.

HINDI “PARANGAT” TRAINING COURSE (July-November, 2016)

Twenty Two Officers/Employees of the Institute have successfully completed “PARANGAT” Hindi Training course conducted by Hindi Teaching Scheme, Ministry of Home Affairs, Department of Official Language, Belapur, Navi Mumbai during July-November, 2016 session. The name of participants are: Dr. Utpal Debnath, Shri K .Yeshwanth Rao, Mrs. Sangita Jadhav, Mrs. Gracy Ravi, Shri B. T. Havelikar, Mrs. Lakshmi Narayan, Shri M. P. Desai, Mrs. Sulbha Tupe, Shri MA Darure, Mrs. Jayashree Nair, Mrs. Sampada Samant, Shri R. S. Rawool, Shri PS Shivaprasad, Mrs. Sushama Bele, Mrs. Rajni Kadge, Mrs. Sonal Shinde, Shri Dinesh Solanki, Shri M Bhoominathan, Shri Sanjay Rane, Mrs. Ratnakumari Nair, Shri Anand Ware and Shri S M Sonkamble. Dr. Utpal Debnath, Registrar, NITIE inaugurated the training programme in the



Dr. Utpal Debnath, Registrar, NITIE; Prof. Gargi Gadgil, Hindi Professor, Hindi Teaching Scheme and Md. Aftab Alam, Sr. Translator (Hindi) with the participants of Hindi PARANGAT training course.

presence of Prof. Gargi Gadgil, Hindi Professor, Hindi Teaching Scheme on 8th July, 2016. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.

HINDI “PARANGAT” TRAINING COURSE (January-May, 2017)

The Hindi PARANGAT training course have been commenced from 11th January, 2017 (January-May, 2017 Session) by Hindi Teaching Scheme, Department of O.L., Ministry of Home Affairs, Govt. of India to enable them to carry out their official work in Hindi. Dr. Utpal Debnath, Registrar, NITIE inaugurated the training programme in the presence of Prof. Gargi Gadgil, Hindi Professor, Hindi Teaching Scheme. Total 18 employees are undergoing training for the same.

Shri RL Samota, Mrs. Bhagyashree Korday, Shri Prashant Salunkhe, Mrs. Suchita Bedekar, Mrs. Shobhana Suresh, Mrs. Sumathi Nair, Ms. Sunita Karkera, Shri Ramotar Kumawat, Shri GM Kokani, Mrs. Suchita Shirwadkar, Shri LK Thopate, Shri R Ramnath, Mrs. SS Thosar, Shri VG Yadav, Shri AM Dhoble, Shri SA Naik and Shri Mahesh Rane are participants of this training programme. On this occasion, Mrs. Vandana Parkhal presented bouquet



Dr. Utpal Debnath, Registrar, NITIE ; Prof. (Mrs.) Gargi Gadgil, Hindi Professor, Hindi Teaching Scheme and Md. Aftab Alam, Sr. Translator (Hindi) with the participants of Hindi PARANGAT training course (January-May, 2017 Session).



to Dr. Utpal Debnath, Registrar, NITIE and Prof (Mrs.) Gargi Gadgil, Hindi Professor of this training course. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.

BASIC COMPUTER TRAINING :

A Five days Basic Computer Training was organised by Central Hindi Training Sub-Institute, Deptt. of Official Language, Ministry of Home Affairs, Govt. of India in NITIE from 2nd to 6th January, 2017. Prof. (Ms.) Karuna Jain, Director, NITIE inaugurated the Training Programme in the presence of Dr. Anant Shrimali, Asstt. Director, Deptt. of Official Language, Ministry of Home Affairs, Govt. of India.

Three Officers & Seventeen employees of the Institute participated in it. Mrs. Pratima Dabholkar, Programmar, NITIE and other eminent personalities working for the progress of Hindi and Information Technology delivered lectures on various subjects. Mrs. Sangita Jadhav, Mrs. Smita Patil, Ms. Sunita Karkera, Shri Manik Desai, Mrs. Jayashree Nair, Shri RS Rawool, Mrs. Vandana Parkhal, Mrs. Suchita Shirwadkar, Mr. LK Thopate, Shri JB Desai, Shri VA Patankar, Mrs. Rajani Kadge, Shri DG Solanki, Shri SA Naik, Shri PB Parab, Shri Sanjay Rane, Mrs. Ratnakumari Nair, Shri Anand Ware, Shri MA Vora and Shri Guru Prasad Parya were present in this Training.



WWWProf. (Ms.) Karuna Jain, Director, NITIE addressing the participants of Basic Computer Training.

At the conclusion of the training session on 6th July, 2016, Prof. D.K. Srivastava, Professor, NITIE and Dr. Vishwanath Jha, Deputy Director(West), Central Hindi Training Sub-Institute, Deptt. of Official Language, Ministry of Home Affairs, Govt. of India addressed the participants and distributed the Certificates. Md. Aftab Alam, Sr. Translator (Hindi)/ Hindi Officer I/c, conducted the programme and gave vote of thanks.



Prof. D.K. Srivastava, Professor, NITIE and Dr. Vishwanath Jha, Deputy Director(West), Central Hindi Training Sub-Institute, Deptt. of Official Language, Ministry of Home Affairs, Govt. of India with the participants of Basic Computer Training.

HINDI COMPUTER TYPING TRAINING

One LDC of the Institute i.e. Mrs. Veena Parab have successfully completed Hindi Computer Typing Training organised at Central Hindi Training Sub Institute, Ministry for Home Affairs, Official Language Department, Belapur CBD, Navi Mumbai from 24th October, 2016 to 20th December, 2016.

HINDI DAY / FORTNIGHT CELEBRATIONS -2016 :

NITIE celebrated Hindi Fortnight Programme from 1st September to 15th September, 2016. On 1st September, 2016 Self written Poetry competition was organized, chaired by Prof. DK Srivastava, Professor, NITIE. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.



Prof. (Ms.) Karuna Jain, Director, NITIE, released an Official Language message on Hindi Day i.e. 14th September, 2016. During the Hindi Fortnight, Questionnaire, General Knowledge/ Science, Debate, Noting writing, Hindi Typing, Memory Power Competition, Dictation, See & Write Legibly, Hindi Stenography, Cross word, etc were organised for Faculty, Officers, Staff and Students in which 150 participant's were won the prizes.



Prof. D. K. Srivastava, Professor, NITIE with Md. Aftab Alam, Sr. Translator (Hindi) and the winners of Self written Poetry competition.



Guest Judge and Hasya Kavi Shri Rohit Sharma presenting the Poetry on the occasion of Self written Poetry competition.

HINDI SEMINAR & PRIZE DISTRIBUTION PROGRAMME :

NITIE organised a Hindi Seminar on “Official Language in current scenario” and Prize Distribution Programme of Hindi Fortnight in the Institute on 5th

October, 2016. Prof. (Ms.) Karuna Jain, Director, NITIE inaugurated the Seminar in the presence of Dr. Sunita Yadav, Dy Director (Impl.), Regional Implementation Office (WR), Deptt. of O.L., Ministry of Home Affairs, Govt. of India.

On this occasion, the prizes & letters of appreciation to about 150 winners of various Hindi competitions organised during the Hindi Fortnight Programme, were distributed by Prof. (Ms.) Karuna Jain, Director, NITIE and Dr. Sunita Yadav, Dy Director (Impl.), Regional Implementation Office (WR), Deptt. of Official Language. Also, Shri VA Patankar, UDC was honoured for “Best Hindi Co-ordinator” for the year 2015-16.

Dr. Sunita Yadav, Dy Director (Impl.) congratulated the winners of the competitions of Hindi fortnight and appreciated to all for regular use of Hindi. Prof. (Ms.) Karuna Jain, Director, NITIE appreciated the Officers and the staff of the Institute for using Hindi in their work and congratulated the winners of the competitions of Hindi fortnight. Dr. Utpal Debnath, Registrar, NITIE expressed his commitment to propagate the use of Official Language Hindi in the Institute and congratulated all the winners. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme successfully and Lt. Cdr. (Mrs.) Nisha Singh, Asstt. Registrar (D.O.) proposed vote of thanks.



Prof. (Ms.) Karuna Jain, Director, NITIE addressing the audience of Hindi Seminar and Prize Distribution Programme of Hindi Fortnight.



Dr. Sunita Yadav, Dy Director (Impl.) addressing the audience of Hindi Seminar and Prize Distribution Programme of Hindi Fortnight.

RELEASE OF “PATRAKARITA KOSH-2016”:

The 16th Edition of India’s 1st Media & Literary Directory “PATRAKARITA KOSH” edited by Md. Aftab Alam, Sr.Translator (Hindi) of the Institute was released by Dr. P.G. Patil, Director, Central Institute for Research on Cotton Technology (CIRCOT) at Matunga, Mumbai on 26th July, 2016 organised by welknown Socio-cultural Organisation Shruti Samvad Sahitya Kala Academy.

Shri Kundan Vyas, Group Editor of “Janmabhoomi”, Shri AK Mishra, Editor of Nirbhay Pathik, Shri Raghwendra Dwivedi, Editor of Hamara Mahanagar, Dr. Sanjay Singh, Resident Editor of Zee News, Shri Sarfaraj Arzu, Editor of Rojnama Hindustan, Shri Abhijeet Rane, Group Editor of Mumbai Mitra and Dr. MH Ansari, Editor of Qaumi Paigham were present on this occassion. Dr. Anant Shrimali, Asstt. Director, Central Hindi Training Sub-Institute, Ministry of Home Affairs, Govt. of India conducted the programme and Mrs. Kiran Joshi, Official Language Officer, CIRCOT gave vote of Thanks. The said book consists of various informations from All Over India pertaining to contemporary Literature & Journalism and it is very useful for media persons as well as Govt. Offices, Pvt. Sector Undertakings and Organisations also.



A scene of release function of 16th edition of Patrakarita Kosh.

OFFICIAL LANGUAGE AWARD / HONOUR

SPECIAL OFFICIAL LANGUAGE AWARD to NITIE

NITIE Awarded with “Special Rajbhasha Award” for carrying out excellent work in Hindi for the year 2015-16 by Aashirwad, a Literary-Socio-Cultural Organisation. Prof. DK Srivastava, Professor, NITIE received this award from Shri Kiran Shantaram, Ex-Sherrif of Mumbai and Shri Gopal Shetty, MP, in a special function organized on 23rd September, 2016 at Doordarshan Kendra, Worli, Mumbai. On this occasion, Shri Kaiser Khalid, Inspector General of Police; Dr. Umakant Bajpayee, Director, Aashirwad and several eminent personalities of Media, Literature and Official Language were present.



Prof. DK Srivastava, Professor, NITIE receiving the Special Rajbhasha Award.

**MD. AFTAB ALAM, SR. TRANSLATOR (HINDI)**

Awarded with “Aashirwad Rajbhasha honour” for carrying out excellent work in Official Language Hindi in the Institute. He was honoured with Shawl, Bouquet and Memento by Shri Rajkumar Barjatya, noted Film Maker; Shri Harish Bhimani, National Award winner; Shri Santosh Bharatiya, editor of Chauthi Dunia newspaper in a Special Programme organised by Aashirwad on 23rd September, 2016 at Doordarshan Kendra, Worli, Mumbai. On this occasion, Shri Akhilendra Mishra, noted Film Actor; Dr. Umakant Bajpayee, Director, Aashirwad, etc were present.



Md. Aftab Alam, Sr. Translator (Hindi), NITIE receiving the honour.

MS. SUNITA KARKERA, SUPDT.

Ms. Sunita Karkera, Supdt (CPSC), NITIE receiving the Award.

Honoured with “TOLIC Rajbhasha Award” for carrying out excellent work in Official Language Hindi in the Institute for the year 2015-16. She was awarded by Dr. Gopal Krishna, Director, Central Institute of Fisheries Education and Chairman, TOLIC with Shawl, Bouquet and Memento in a Special Programme organised by Central Institute of Fisheries Education (CIFE) at Versova, Mumbai on 29th November, 2016.

ATTENDED CONFERENCE / SEMINAR / MEETING, ETC**PROF. DK SRIVASTAVA, PROFESSOR**

- (i) Participated in half yearly meeting & Rajbhasha Award Ceremony organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Central Institute of Fisheries Education (CIFE), Versova, Mumbai on 29th November, 2016.
- (ii) Participated in special meeting organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Central Institute of Fisheries Education (CIFE), Versova, Mumbai on 13th January, 2017.

MD. AFTAB ALAM, SR. TRANSLATOR (HINDI)

- (i) Participated in three days “All India Official Language Conference and Coloquium “ organised by Rajbhasha Seva Sansthan, New Delhi from 1st to 3rd June, 2016 at Munnar, Keral. Dr. Girishwar Mishra, Vice-Chancellor, Mahatma Gandhi International Hindi University, Vardha and Dr. V.K. Agrawal, Director, Rajbhasha Seva Sansthan and several eminent personalities were present on this occasion.
- (ii) Participated in two days “Colloquium on Official Language” organised by Govt. of India, Ministry of Home Affairs, Department of Official Language, Regional Implementation Office(West) at Belapur, Navi Mumbai from



6th to 7th June, 2016. Dr. Bipin Bihari, Jt. Secretary, Ministry of Home Affairs, Govt. of India and several eminent personalities were present on this occasion.

- (iii) Participated in half yearly meeting & Rajbhasha Award Ceremony organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Central Institute of Fisheries Education (CIFE), Versova, Mumbai on 29th November, 2016.
- (iv) Participated in special meeting organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Central Institute of Fisheries Education (CIFE), Versova, Mumbai on 13th January, 2017.
- (v) Participated in One day “Official Language Technical Seminar (Western and Central Region)” organised by Govt. of India, Ministry of Home Affairs, Department of Official Language, Regional Implementation Office(West) at Panji, Goa on 20th January, 2017. Shri Prabhas Kumar Jha, Secretary, Govt. of India, Ministry

of Home Affairs, Department of Official Language; Shri Sandeep Arya, Director (Tech., Admn & O.L) and several eminent personalities were present on this occasion.

SHRI PRASHANT GOSWAMI, ASSTT. LIBRARY & INFO. OFFICER

- (i) Participated in two days “Colloquium on Official Language” organised by Govt. of India, Ministry of Home Affairs, Department of Official Language, Regional Implementation Office(West) at Belapur, Navi Mumbai from 6th to 7th June, 2016. Dr. Bipin Bihari, Jt. Secretary, Ministry of Home Affairs, Govt. of India and several eminent personalities were present on this occasion.

MRS. VANDANA PARKHAL, ASSISTANT

- (i) Participated in One day Special Workshop organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Central Institute of Fisheries Education (CIFE), Versova, Mumbai on 27th January, 2017.



NITIE CULTURAL AND WELFARE ACTIVITIES

CELEBRATIONS:

Shivaji Maharaj Jayanti Celebration:

The 386th Chhatrapati Shivaji Maharaj Jayanti was celebrated on 13th April, 2016 in NITIE with great traditional fervor.

The Chief Guest Prof. Gururaj Garde envisaged the strategies and tactics of Shri Chhatrapati Shivaji Maharaj which are inspiring globally. Prof. (Ms.) Karuna Jain, Director, NITIE, presided over the function and inspired the audience by enlightening the divine empowerment of Chhatrapati Shivaji Maharaj. Dr. Utpal Kumar Debnath, Registrar-in-Charge, NITIE, in his speech emphasized on the greatness of Chhatrapati Shivaji Maharaj and the importance of why we should celebrate this Jayanti even after more than 385 Years.



Prof. (Ms) Karuna Jain, Director, Prof. Gururaj Garde, and Dr. Utpal Kumar Debnath, Registrar-in-Charge, NITIE on dias during celebration of Chhatrapati Shivaji Maharaj Jayanti

The programme was well supported by NITIE Faculty, Officers, Staff and students.

Shri Shashikant V Parab gave the vote of thanks to everyone.

Dr. B. R. Ambedkar's 125th Birth Anniversery Celebration:



Prof. (Ms) Karuna Jain, Director, Prof. Ramesh Kamble, Mumbai University, Prof. B. M. Ghodeswar, Professor, NITIE and Others garlanding the statue of Dr. B. R. Ambedkar

NITIE celebrated 125th Birth Anniversary of Dr. B. R. Ambedkar on 22nd April 2016 in grand manner. Prof. (Ms) Karuna Jain, Director presided over the function and renowned personality Prof. Ramesh Kamble, Department of Sociology, Mumbai University was Chief Guest. Prof. B M Ghodeswar welcomed everyone to the function. Prof. Ramesh Kamble delivered the lecture on “Social Justice and Sustainable Development of Nation”.

Prof. Sachin Kamble gave vote of thanks and the program ended with National Anthem.



Prof. (Ms) Karuna Jain, Director, NITIE welcoming Mrs. Charu Doshi for the Program in presence of Prof. Nikhil Mehta, Co-ordinator of Celebration of International Yoga Day.

NITIE celebrated second International Yoga Day 2016 to raise awareness of several benefits of yoga. More than 70 participants took part in the proceedings. Mrs. Shilpa Joshi, Yoga Instructor from Kaivalyadham conducted a session on “Conceptualizing self from the realms of Koshas”. She mentioned the importance of each of five koshas and how relevant they are in our wellbeing. Mrs. Charu Doshi, Yoga Instructor from Kaivalyadham conducted the proceedings of yoga workshop following the Common yoga protocol published by Ministry of Ayush, Government of India.



Prof. (Ms) Karuna Jain, Director, NITIE herself participated and encouraged the NITIEins

Mrs. Shilpa Joshi and Mrs. Charu Doshi later judged our yoga day events. Poster competition on the theme “Yoga and you” garnered several entries. Mrs. Rachna Verma and Mrs. Shubhangi Akarte won the first and second prize respectively among residents while Master Kushagra Verma won the first prize among Children category. Ms. Katayani Pant won the first prize among students while there was a tie among Sumit Kumar, Rahul Patel and Apurva Patankar at second position respectively. Shrijit Jaipurkar, Dipak Khaire and Shivansu Rathore won first, second and third prize respectively in yoga geet competition. NITIE Library organized a book display on the theme Yoga.



NITIEins and Children practising Yoga

One month free yoga camp has been organized in alliance with Kaivalyadham, Mumbai under CCRYN scheme. Mrs. Charu Doshi from Kaivalyadham conducted free workshop for a month. Residents and employees took the benefit of free camp.

Prof. Nikhil K. Mehta and Shri C.R. Saseendran coordinated the event. Director NITIE attended the programme. Faculty members, Registrar, Officers, Staff members and several residents attended the programme with great enthusiasm. Shri Ajinkya Khadtare and Ms. Deepti Rani conducted the proceedings. NITIE appreciated the support from Kaivalyadham, Lonavala in the pursuance of proceedings of International Yoga Day-2016 at NITIE. The programme concluded with National Anthem.



ANNUAL ACCOUNTS

Government Grant from the Ministry of Human Resource Development

During the year 2016-17, the MHRD sanctioned a total sum of ₹ 3510.00 lakhs as Grant-in-Aid (out of which ₹ 3110.00 lakhs for Non-Plan and ₹ 400.00 lakhs for Plan). There was also a carry over of unspent balance for ₹ (-)47.71 lakhs from the Financial Year 2015-16 from plan fund. During the year 2016-17, the Institute earned a revenue of ₹ 3656.33 lakhs.

Out of the above revenue, a sum of ₹6766.33 lakhs was spent under Recurring expenditure which comprises of ₹3172.08 lakhs for salaries and ₹3594.25 lakhs for other running expenditure. The Institute also spent a sum of ₹313.80 lakhs under Non-Recurring Heads. Hence the total expenditure works out of ₹7080.13 lakhs. An amount of ₹ NIL under Non Plan Grant and ₹38.49 towards Plan Grant is available for carry forward to next financial year 2017-18.

BC/PA/AA

Under BC-PA-AA Account, a sum of ₹558.59 lakhs was available as carry over from 2015-16. During the year 2016-17, the Institute earned a sum of ₹64.28 lakhs. Hence, the total income available during the year 2016-17 was ₹622.87 lakhs. Out of this, a sum of ₹57.13 lakhs was spent under Recurring expenditure. The unspent balance of ₹ 565.74 lakhs is carried over to the year 2017-18.

New Plan Scheme Projects (IIPC)

Under the new plan scheme projects, there was a carry over of ₹ 15.63 lakhs from the year 2015-2016. A Grant – in –Aid of ₹ NIL lakhs has been received during the year 2016-2017. There was an income of ₹ 1.05 lakhs during the year 2016-2017. In all a sum of ₹ 16.68 lakhs was available under New Plan Scheme Projects for the year 2016-17. Out of the above, a sum of ₹ 0.47 lakhs was spent under Recurring heads. Hence, the unspent balance of ₹ 16.21 lakhs is carried over to the year 2017-18.

Sponsored Projects (TIFAC)

Under the sponsored projects, a sum of ₹ 9.59 lakhs was available as carry over from 2015-16 and ₹ 0.42 lakhs as income including the Grant during the year 16-17 totaling to ₹ 10.01 lakhs. Out of the above, a sum of ₹ 0.00 lakhs was spent under recurring expenditure. The balance of ₹ 10.01 lakhs is carried over to the year 2017-18.

Abridged Annual Accounts figures are given in the following pages:



ANNUAL ACCOUNTS FUND FLOW FOR THE YEAR

₹ In Lakhs

Name Of The Scheme/Programme	Opening Balance	Grant / Income Received During The Year	Expenditure During The Year	Unspent Balance In Lakhs
1. NON PLAN				
Opening Balance	0.00			
Grant -in - Aid		3110.00		
Institute Income		3656.33		
Expenditure Incurred			6766.33	
<i>Unspent Balance C/f</i>				0.00
TOTAL NON PLAN		6766.33	6766.33	0.00
2. PLAN				
Opening Balance	-47.71			
Grant -in - Aid		400.00		
Institute Income		0.00		
Expenditure Incurred			313.80	
<i>Unspent Balance C/f</i>				38.49
TOTAL PLAN	-47.71	400.00	313.80	38.49
3. BCPAAA				
Opening Balance	558.59			
Grant -in - Aid		0.00		
Institute Income		64.28		
Expenditure Incurred			57.13	
<i>Unspent Balance C/f</i>				565.74
TOTAL BCPAAA	558.59	64.28	57.13	565.74
4. NEW PLAN SCHEME				
Opening Balance	15.63			
Grant in Aid		0.00		
Institute Income		1.05		
Expenditure Incurred			0.47	
<i>Unspent Balance C/f</i>				16.21
TOTAL NEW PLAN SCHEME	15.63	1.05	0.47	16.21
5. SPONSORED PROJECTS (TIFAC)				
Opening Balance	9.59			
Grant -in - Aid		0.00		
Institute Income		0.42		
Expenditure Incurred			10.01	
<i>Unspent Balance C/f</i>				10.01
TOTAL	9.59	0.42	10.01	10.01



GRANT-IN-AID RECEIVED AND EXPENDITURE INCURRED

(As per revised - New format of accounts)

		₹ in Lakhs		₹ in Lakhs	
1. MAIN ACCOUNT - PLAN and NON PLAN					
EXPENDITURE	2016-17	2015-16	INCOME	2016-17	2015-16
a) Establishment Charges - Salaries to Academic/ Non Academic Staff Institutes Contribution to CPF/Retirement Benefits	3172.08	3021.19	a) Grant- in Aid (Received for recurring and Non Recurring Expenses during the year)	3510.00	3114.00
b) Other Expenses Special Repairs, Scholarships, Maintenance & Repairs TA, Vehicles Entertainment, P&T	3594.25	3089.16	b) Academic Receipts (all Academic Programmes, MDP, UBP, Consultancy Services)	3007.65	2954.03
c) Non Recurring Expenditure	313.8	1087.03	c) Other Income	600.97	1129.35
d) Excess of income over expenditure	38.49	-			
TOTAL MAIN ACCOUNT	7118.62	7197.38	TOTAL MAIN ACCOUNT	7118.62	7197.38
2. BCPAAA					
EXPENDITURE	2016-17	2015-16	INCOME	2016-17	2015-16
a) Exp on Catering, M&R to furniture, Misc Expe & Contn to BCPAAA	57.13	58.85	Opening Balance from the Previous Year	558.59	487.29
b) Excess of income over expenditure carried over to Balance Sheet	565.74	558.59	Income during the year	64.28	130.15
TOTAL BCPAAA Account	622.87	617.44	TOTAL BCPAAA Account	622.87	617.44
3. NEW PLAN SCHEME - IIPC					
EXPENDITURE	2016-17	2015-16	INCOME	2016-17	2015-16
a) Expenses on Salaries, TA/DA	0.47	0	a) Opening Balance from the Previous Year	15.63	13.64
b) Excess of income over expenditure carried over to Balance Sheet	16.21	15.63	b) Income during the year	1.05	1.99
TOTAL IIPC Account	16.68	15.63	TOTAL IIPC Account	16.68	15.63
4. SPONSORED PROJECTS - TIFAC					
EXPENDITURE	2016-17	2015-16	INCOME	2016-17	2015-16
a) Expenses on Salaries, TA/DA	0	0	a) Opening Balance from the Previous Year	9.59	9.13
b) Excess of income over expenditure carried over to Balance Sheet	10.01	9.59	b) Income during the year	0.42	0.46
TOTAL TIFAC Account	10.01	9.59	TOTAL TIFAC Account	10.01	9.59

**BALANCE SHEET****BALANCE SHEET YEAR ENDING 2016-2017**

(As per revised - New format of accounts)

MAIN ACCOUNT					
Liabilities	2016-17	2015-16	Assets	2016-17	2015-16
Corpus/Capital Fund	7240.56	5515.54	Fixed Assets	12068.64	12064.70
Designated/Earmarked/Endowment Funds	9388.97	8930.33	Investments	5116.17	4645.63
Current Liabilities/Provisions	2192.06	3446.80	Current Assets	638.77	565.97
			Loan, Advances and Deposits	998.01	616.36
TOTAL MAIN ACCOUNT	18821.59	17892.66	TOTAL MAIN ACCOUNT	18821.59	17892.66
BCPAAA ACCOUNT					
Liabilities	2016-17	2015-16	Assets	2016-17	2015-16
Corpus/Capital Fund	565.74	558.60	Fixed Assets	52.59	54.61
Designated/Earmarked/Endowment Funds	9.91	9.90	Investments	454.86	363.63
Current Liabilities/Provisions	25.92	44.31	Current Assets	77.74	104.99
			Loan, Advances and Deposits	16.38	89.58
TOTAL BCPAAA ACCOUNT	601.57	612.81	TOTAL BCPAAA ACCOUNT	601.57	612.81
NEW PLAN SCHEME (IIPC PROJECT)					
Liabilities	2016-17	2015-16	Assets	2016-17	2015-16
Corpus/Capital Fund	0.21	0.23	Fixed Assets	0.21	0.23
Designated/Earmarked/Endowment Funds	16.21	15.63	Investments	14.74	13.69
Current Liabilities/Provisions			Current Assets	1.47	1.94
			Loan, Advances and Deposits	-	-
TOTAL IIPC ACCOUNT	16.42	15.86	TOTAL IIPC ACCOUNT	16.42	15.86
TIFAC CORE PROJECT					
Liabilities	2016-17	2015-16	Assets	2016-17	2015-16
Corpus/Capital Fund	18.90	20.68	Fixed Assets	18.90	20.68
Designated/Earmarked/Endowment Funds	10.01	9.59	Investments	7.24	6.82
Current Liabilities/Provisions			Current Assets	0.30	0.31
			Loan, Advances and Deposits	2.47	2.47
TOTAL TIFAC ACCOUNT	28.91	30.27	TOTAL TIFAC ACCOUNT	28.91	30.27

**INSTITUTE - EXTRACT IN FROM GFR - 19**

Appendix to the Annual Statement of the Accounts of the Institute - Extracts in form GFR - 19 regarding assets of permanent value and machinery and equipment having a life of not less than 5 years and costing ₹ 10,000/- and above (each item)

FORM GFR - 19

1	Name of the Grantee Institution	: NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING
2	Brief purpose of the grant	: FOR INFRASTRUCTURAL FACILITIES
3	Whether any condition regarding the right of ownership of Govt. in the property or other assets acquired out of the grant was incorporated in the grant in aid sanction.	: YES. OWNERSHIP VESTS WITH THE GOVT.
4	Purpose for which utilized at present	: FOR ACQURING EQUIPMENT
5	Encumbered or not	: N.A
6	Reson if encumbered	: N.A
7	Reson and authority if any for disposal	: OBSOLETE

Sr. No.	No. and date of Sanction	Amt. of the San. Grant	Particulars of Assets	Value of the Asset as on	Disposed	Amt. realised on disposal	Remarks
1	CPSC/Admn/E&F/2016-17/San No.01 dt.19/11/2015	23987.00	FM220 USB Based finger Print reader, scanner device for USB with desktop	23987.00			
2	Equipment & Films 2016-17/2 dt.23/11/2015	146470.00	Split Air	146053.00			
3	Xerox/2015-16 dt.23/09/2016	259344.90	Ricoh Digital Multi functin Print	260609.59			
4	Plan Equipment & Films 2015-16 /3 dt.12/01/2016	586575.00	Servo Controlled Voltage Stabilizer 500 KVA	586575.00			
5	Plan Equipment & Films 2015-16 /1 dt.22/04/2016	94299.00	Kirloskar Borewell Submersible pumset and Accessories	94299.00			
6	Plan Equipment & Films /2015-16/5 dt.30/03/2016	58717.00	Control Panel S.H.P.	58717.00			
7	Plan Equipment & Films /2015-16/4 dt.23/03/2016	568575.00	Grundfas Multfit MD 32.3.2	568575.00			
8	Director, Approval Note no. CPSC/DO/ALB/2016-17 dated 28.09.2016	19183.00	Scanner Cum Printer and Double Door Refrigerator	19183.00			
9	CPSC/NGH/Equip/2016-17/san no.002 dt. 01.12.2016	98100.00	Panasonic 32" LED TV	98100.00			
10	CPSC/A/c/E&F/2016-17/san-01 dt.26.07.2016	19324.00	CCTV and Accessories	19324.00			
11	CC/LT/XCAB/16-17/1 dt. 07/04/2016	174300.00	Laptop and Accessories	174300.00			
12	CC/Matlap/2014-15/1 dt.30.12.2014	206100.00	Training Prepaid Training MATLAB onsite training	206100.00			
13	CC/Printer/16-17/1 dt. 27.10.2016	118000.00	HP Laser Jet M 1136 MFP Printer	118000.00			
14	CC/Hindi /Dell/2016-17/1 dt. 11.11.2016	93800.00	Dell Optiplex Desktop with LED Monitor	93800.00			
15	CC/ALB/WNET/2016-17/1 dt.15.07.2016	540575.53	Wired networking of 5th and 6th floor of ALB Building and accessories	490575.00			
page wise total				29,58,197.59	0.00	0.00	



ANNEXURES

ANNEXURE III : PROFORMA FOR FURNISHING THE INFORMATION RELATING TO NO.OF CIVILIAN POSTS, THEIR DESIGNATION AND SCALES OF PAY, ETC.IN RESPECT OF CIVILIAN EMPLOYEES OF THE AUTONOMOUS BODIES AS ON 31-03-2017

Sr. No.	Designation of the Post in Full	Scale of pay of the post in full	Grade Pay	Special Pay NPA Central Deput.Allow etc.attached to the post; if any	Status of Post			Group of Post Group-A Group-B Group-C Group-D Unclassified	No.of sanctioned Posts	Number of Employees in Position	
					Gazetted /Non-Gaz	Regular	Temp-orary				Super-nume-rary
	ACADEMIC										
1	DIRECTOR	Rs.80000 (Fixed)	0	0 **	* N.G.	1	0	0	A	1	1
2	PROFESSOR	PB-4: 37400-67000	10500	2 **	* N.G.	16	0	0	A		12
3	ASSOCIATE PROFESSOR	PB-4: 37400-67000	9500	3 **	* N.G.	27	0	0	A		26
4	ASSISTANT PROFESSOR	PB-3: Rs.30000	8000	2 **	* N.G.	14	0	0	A		17
5	MANAGER, COMPUTER CENTRE	PB 3: 15600-39100	7600	0 **	* N.G.	1	0	0	A	1	1
6	LIBRARY & INFO. OFFICER	PB 3: 15600-39100	6600	0 **	* N.G.	1	0	0	A	1	1
7	SYSTEMS DESIGNER	PB 3: 15600-39100	6600	1 **	* N.G.	2	0	0	A	2	1
8	SENIOR PROGRAMMER	PB 3: 15600-39100	6600	2 **	* N.G.	2	0	0	A	2	1
9	PROGRAMMER	PB 2: 9300-34800	4600	3 **	* N.G.	4	0	0	B	4	3

* Non-Gazetted

** No. of Employees availing special pay as per small family norm.

ANNEXURE III : PROFORMA FOR FURNISHING THE INFORMATION RELATING TO NO.OF CIVILIAN POSTS, THEIR DESIGNATION AND SCALES OF PAY, ETC.IN RESPECT OF CIVILIAN EMPLOYEES OF THE AUTONOMOUS BODIES AS ON 31-03-2017

Sr. No.	Designation of the Post in Full	Scale of pay of the post in full	Grade Pay	Special Pay NPA Central Deput.Allow etc.attached to the post; if any	Status of Post			Group of Post Group-A Group-B Group-C Group-D Unclassified	No.of sanctioned Posts	Number of Employees in Position
					Gazetted /Non-Gaz	Regular	Temporary			
	NON-ACADEMIC									
1	REGISTRAR	PB 3: 15600-39100	7600	0 **	* N.G.	1	0	0	1	0
2	C.O.E.	PB 3: 15600-39100	7600	0 **	* N.G.	1	0	0	1	1
3	DEPUTY REGISTRAR	PB 3: 15600-39100	6600	1 **	* N.G.	3	0	0	3	1
4	MEDICAL OFFICER	PB 3: 15600-39100	5400	#, 0 **	* N.G.	1	0	0	1	1
5	ASSISTANT REGISTRAR	PB 3: 15600-39100	5400	1 **	* N.G.	3	0	0	3	2
6	ACCOUNTS OFFICER	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	1	1
7	HINDI OFFICER	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	1	0
8	SECRETARY TO DIRECTOR	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	1	1
9	SR. SUPERINTENDENT	PB 2: 9300-34800	4600	2 **	* N.G.	2	0	0	4	3
10	ASST.LIB.&INFO.OFFICER	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	1	1
11	SUPERINTENDENT	PB 2: 9300-34800	4200	6 **	* N.G.	11	0	0	13	10
12	HINDI TRANSLATOR (SR.)	PB 2: 9300-34800	4600	1 **	* N.G.	1	0	0	1	1
13	SR.LIB.&INFO.ASSISTANT	PB 2: 9300-34800	4200	1 **	* N.G.	1	0	0	2	1
14	ASSISTANT	PB 2: 9300-34800	4200	3 **	* N.G.	9	0	0	12	5
15	NURSE	PB 2: 9300-34800	4200	0 **	* N.G.	0	0	0	1	0
16	SR. STENOGRAPHER	PB 2: 9300-34800	4200	4 **	* N.G.	5	0	0	11	3
17	LIB. & INFO. ASSISTANT	PB 2: 9300-34800	4200	0 **	* N.G.	1	0	0	2	1
18	JR. HINDI TRANSLATOR	PB 2: 9300-34800	4200	0 **	* N.G.	0	0	0	1	0
19	HOSTEL MANAGER	PB 1: 5200-20200	2800	1 **	* N.G.	0	0	0	1	0

* Non-Gazetted

** No.of Employees availing special pay as per small family norm.

NPA



Sr. No.	Designation of the Post in Full	Scale of pay of the post in full	Grade Pay	Special Pay NPA Central Deput. Allow etc. attached to the post; if any	Status of Post			Group of Post Group-A Group-B Group-C Group-D Unclassified	No. of sanctioned Posts	Number of Employees in Position	
					Gazetted /Non-Gaz	Regular	Temporary				Super-numerary
	NON-ACADEMIC										
20	CASHIER	PB 1: 5200-20200	2800	0 **	* N.G.	1	0	0	C	1	1
21	COMPOUNDER	PB 1: 5200-20200	2800	1 **	* N.G.	1	0	0	C	2	1
22	T.O.C.R.	PB 1: 5200-20200	2400	1 **	* N.G.	2	0	0	C	2	2
23	JR. STENOGRAPHER	PB 1: 5200-20200	2400	2 **	* N.G.	1	0	0	C	2	1
24	U. D. C.	PB 1: 5200-20200	2400	4 **	* N.G.	12	0	0	C	13	11
25	L. D. C.	PB 1: 5200-20200	1900	8 **	* N.G.	14	0	1	C	26	14
26	LIBRARY CLERK	PB 1: 5200-20200	1900	3 **	* N.G.	3	0	0	C	4	3
27	DESPATCH RIDER	PB 1: 5200-20200	1900	1 **	* N.G.	0	0	0	C	1	0
28	TELEPHONE OPERATOR	PB 1: 5200-20200	1900	1 **	* N.G.	5	0	0	C	6	5
29	MULTI TASKING STAFF	PB 1: 5200-20200	1800	0 **	* N.G.	2	0	0	D	0	2
30	MISTRY	PB 1: 5200-20200	1800	1 **	* N.G.	2	0	0	D	5	1
31	DAFTARY	PB 1: 5200-20200	1800	2 **	* N.G.	3	0	0	D	3	3
32	LIB. ATTENDANT	PB 1: 5200-20200	1800	2 **	* N.G.	3	0	0	D	4	3
33	BEARER	PB 1: 5200-20200	1800	2 **	* N.G.	5	0	3	D	7	4
34	HOSTEL ATTENDANT	PB 1: 5200-20200	1800	1 **	* N.G.	3	0	0	D	7	3
35	PEON	PB 1: 5200-20200	1800	6 **	* N.G.	10	0	0	D	20	9
36	WATCHMAN	PB 1: 5200-20200	1800	4 **	* N.G.	7	0	0	D	12	7
37	SWEEPER	PB 1: 5200-20200	1800	3 **	* N.G.	10	0	0	D	19	8
38	MALI	PB 1: 5200-20200	1800	0 **	* N.G.	1	0	0	D	2	1
39	ATTENDANT	PB 1: 5200-20200	1800	5 **	* N.G.	10	0	0	D	18	8
40	TRAINEE	1 S: 4440-7440	0	0 **	* N.G.	2	0	0	D	0	2

* Non-Gazetted

** No. of Employees availing special pay as per small family norm.

NPA



ANNEXURE III : PROFORMA FOR FURNISHING THE INFORMATION RELATING TO NO. OF CIVILIAN POSTS, THEIR DESIGNATION AND SCALES OF PAY, ETC. IN RESPECT OF CIVILIAN EMPLOYEES OF THE AUTONOMOUS BODIES AS ON 31-03-2017

Sr. No.	Designation of the Post in Full	Scale of pay of the post in full	Grade Pay	Special Pay NPA Central Deput. Allow etc. attached to the post; if any	status of Post		Group of Post Group-A Group-B Group-C Group-D Unclassified	No. of sanctioned Posts	Number of Employees in Position
					Gazetted /Non-Gaz	Regular			
	TECHNICAL								
1	EXECUTIVE ENGINEER	PB 3: 15600-39100	6600	0 **	* N.G.	1	0	0	1
2	VIDEO CAMERAMAN	PB 2: 9300-34800	4600	1 **	* N.G.	1	0	0	1
3	DATA PROCESSING ASST. GR. B	PB 2: 9300-34800	4600	1 **	* N.G.	0	0	0	0
4	TECHNICAL ASST. (SR)	PB 2: 9300-34800	4200	0 **	* N.G.	1	0	0	1
5	JR. ENGINEER	PB 2: 9300-34800	4200	1 **	* N.G.	2	0	0	2
6	TECH. ASSISTANT	PB 1: 5200-20200	2800	1 **	* N.G.	0	0	0	0
7	DATA ENTRY OPR. GR-C	PB 2: 9300-34800	4200	0 **	* N.G.	2	0	0	1
8	DATA ENTRY OPR. GR-B	PB 1: 5200-20200	2800	2 **	* N.G.	2	0	0	2
9	MECH. 'A'	PB 1: 5200-20200	2400	4 **	* N.G.	4	0	0	3
10	DRAUGHTSMAN	PB 1: 5200-20200	2400	0 **	* N.G.	0	0	0	0
11	DATA ENTRY OPR GR-A	PB 1: 5200-20200	2400	0 **	* N.G.	0	0	0	0
12	MECH. 'B'	PB 1: 5200-20200	2400	1 **	* N.G.	1	0	0	1
13	DRIVER	PB 1: 5200-20200	1900	4 **	* N.G.	6	0	0	6
14	PLUMBER	PB 1: 5200-20200	1900	1 **	* N.G.	2	0	0	2
15	MECH. 'C'	PB 1: 5200-20200	1900	1 **	* N.G.	7	0	0	6
16	DUPLICATING OPERATOR	PB 1: 5200-20200	1900	1 **	* N.G.	2	0	0	2
17	PUMP ATTENDANT	PB 1: 5200-20200	1800	1 **	* N.G.	1	0	0	0
18	BUS ATTENDANT	PB 1: 5200-20200	1800	0 **	* N.G.	1	0	0	1
19	MOTOR CLEANER	PB 1: 5200-20200	1800	1 **	* N.G.	1	0	0	1
20	WORKSHOP ATTENDANT	PB 1: 5200-20200	1800	1 **	* N.G.	1	0	0	1

* Non-Gazetted

** No. of Employees availing special pay as per small family norm.

**ANNEXURE IV: SUMMARY OF NO.OF SANCTIONED POSTS AND
NO.IN POSITION - GROUPWISE**

GROUP OF POST	SANCTIONED POST	EMPLOYEES IN POSITION (R+T+S)
ACADEMIC		
A	91	60
B	4	3
C	0	0
D	0	0
SUB-TOTAL	95	63
NON-ACADEMIC		
A	9	5
B	51	27
C	58	39
D	97	56
SUB-TOTAL	215	127
TECHNICAL		
A	1	1
B	10	5
C	38	22
D	8	3
SUB-TOTAL	57	31
TOTAL	367	215

R - Regular

T - Temporary

S - Supernumerary

