
वार्षिक रिपोर्ट
Annual Report
2017-18

राष्ट्रीय औद्योगिक इंजीनियरी संस्थान (नीटी)
मुंबई की यह वार्षिक रिपोर्ट
1 अप्रैल, 2017 - 31 मार्च, 2018
की अवधि के लिए है।

This Annual Report of the
National Institute of Industrial Engineering
(NITIE),
Mumbai covers the period
1 April 2017 – 31 March 2018.



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”



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ABOUT NITIE

NITIE was established as an autonomous body 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, Project Management & Manufacturing Management. NITIE launched one year full time post graduate programme for Executives in Visionary Leadership for manufacturing (PGPEX-VLFM) jointly with IIT Delhi from the year 2017. This programme is specially designed for experienced engineers with 5-12 years of experience in manufacturing domain. NITIE also has 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.

INSTITUTE STRUCTURE



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NITIE BOARD OF GOVERNORS/SOCIETY

1. Number of Board/Society Meetings held with dates:

Board Meeting No.	Date	Society Meeting No.	Date
146	23.06.2017	Nil	Nil
147	22.09.2017	71	22.09.2017
148	07.12.2017	72	07.12.2017
149	23.03.2018	73	23.03.2018

BOARD OF GOVERNORS (w.e.f. 27th March, 2017 to 26th March, 2021)

I	Chairman	Prof. Sanjay G. Dhande Chairman, NITIE BOG Former Member, UGC & Former Director IIT Kanpur 58 Buena Monte, Panchavati, Pashan PUNE - 411 008.
II	Representatives of Central Government 1. Finance	Ms. Darshana M. Dabral Joint Secretary & Financial Advisor Department of Higher Education Ministry of Human Resource Development Government of India Room No. 111 -C Wing, Shastri Bhavan NEW DELHI - 110 001.
	2. Education	Additional Secretary (TE) Department of Higher Education Ministry of Human Resource Development Government of India, Room No.118 - C, Shastri Bhavan NEW DELHI - 110 001.
	3. Ministry of Commerce & Industry	Dr. Ashish Kumar Senior Development Officer (Engg.) Department of Industrial Policy and Promotion Ministry of Commerce & Industry Government of India Room No. 436 A, Udyog Bhavan NEW DELHI - 110 011.
III	Representative of National Productivity Council	Dr. Vandana Kumar, IAS Joint Secretary, DIPP & Director General, National Productivity Council Utpadakta Bhavan 5-6, Institutional Area, Lodhi Road NEW DELHI - 110 003.



IV	Representative of All India Council for Technical Education	Prof. Devang Khakhar Director Indian Institute of Technology, Bombay Powai, MUMBAI - 400076.
V	Four Representatives of Industry including Public Enterprises nominated by Central Government	1. Shri V Kalyana Rama Chairman & Managing Director, Container Corporation of India Ltd., Concor Bhawan, C-3, Mathura Road, Opp. Apollo Hospital NEW DELHI - 110076.
		2. Shri Atul Chandrakant Kulkarni Independent Consultant, B-1/52, Gokul Co-Operative Housing Society Ltd, Plot No. 14, Sector 19 A, Nerul, NAVI MUMBAI - 400706.
		3. Shri Ashok Chowgule Joint Managing Director M/s Chowgule and Co. Pvt. Ltd., Ship Building, Near Borim Bridge, Loutulim, GOA - 403718.
		4. Shri Shashi Kiran Shetty Chairman, Allcargo Logistics Ltd. 6th Floor Awashya House, CST Road, Kalina, Santacruz (East), MUMBAI - 400 098.
VI	Two Members Representing Workers' Organisations	1. Shri Pawan Kumar Bharatiya Mazdoor Sangha, 2426, Tilak Gali, Chunamandi, Paharaganja, NEW DELHI - 110002.
		2. Shri Surendra Kumar Pandey Office Superintendent Q.No. 1C-107, Post - Bishrampur Colliery, Dist. Sarguja, CHHATISGARH - 497226.
VII	Two Representatives of other interests such as Engineering professions and technical institutions, etc.	1. Dr. A.M. Rawani Professor, NIT Raipur, 1-B, Gulmohur, Kailash Residency, Bottle House Road, Shankar Nagar, Raipur, CHHATTISGARH - 492001.
		2. Prof. Nomesh Bolia Associate Professor (IE & OR) Department of Mechanical Engineering, Indian Institute of Technology, Delhi Houz Khas, NEW DELHI - 110016.



VIII	Two Co-opted Members Representing Industrial Engineering, Productivity Sciences, etc.(co-opted by the Board)	1. Shri Pramod Chaudhari Founder and Executive Chairman, Praj Industries Limited, “Praj Tower” 274 & 275/2 Bhumkar Chowk - Hinjewadi Road Hinjewadi PUNE - 411057.
		2. Shri B Prasada Rao Former CMD, BHEL Flat No. X – 8 B, Meghadutam Apartments, Sector – 50, NOIDA – 201 301.
IX	One Representative of Govt. of Maharashtra Co-opted by the Board	Shri S.J. Kunte Additional Chief Secretary Higher and Technical Education Government of Maharashtra Madam Cama Road Hutatma Rajuru Chowk Mantralaya MUMBAI - 400032.
X	Ex-Officio-Member	Prof. (Ms) Karuna Jain Director NITIE
XI	Two Members of NITIE Teaching Faculty to be co-opted by the Chairman	1. Prof. A.K. Pundir NITIE (16.02.2017 to 31.12.2018)
		2. Prof. KVSS Narayana Rao NITIE (16.02.2017 to 31.12.2018)
XII	Ex-Officio-Secretary	Dr. Utpal Debnath (Upto 14.12.2017) Registrar I/c. NITIE Prof. Vivek Khazode (from 15.12.2017 to 08.03.2018) Registrar I/c. NITIE Shri Basavaraj Swamy (from 09.03.2018) Registrar NITIE



NITIE DEANS & ADMINISTRATIVE OFFICERS

Deans:

- 1] Prof. V B Khanapuri - Dean (Academics)
- 2] Prof. (Ms) Hema A Date - Dean (Student Affairs)
- 3] Prof.(Ms.) Seema Unnikrishnan - Dean (Administration) (Upto 31.12.2017)
- 4] Prof. Shirish Sangle - Dean Sponsored Research & Industrial Consultancy (SRIC)

Prof. In-Charge:

- 1] Prof. Rauf Iqbal - PIC (Executive Education)
- 2] Prof. A S Binilkumar - PIC (Research)
- 3] Prof. (Ms) K. S. Ranjani - PIC (Media Relations)
- 4] Prof. (Mrs.) Anju Singh - PIC (International Relations)
- 5] Prof.(Ms.) Hema Date - PIC (Security & Transport)

Administrative Officers:

Registrar

Dr. Utpal Debnath (Upto 14.12.2017)

Registrar I/c. NITIE

Prof. Vivek Khanzode (from 15.12.2017 to 08.03.2018)

Registrar I/c. NITIE

Shri Basavaraj Swamy (from 09.03.2018)

Registrar, NITIE

Controller of Examination (Upto 14.12.2017)

Manager, Computer Centre

Shri A N Naidu

Deputy Registrar

Shri R L Samota (Upto 31.1.2018)

Assistant Registrar

Mrs. Sangita Jadhav

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

Mr. T M Hariram (from 11.12-2017)

ACADEMIC ACTIVITIES

a. Academic programmes

- i. Fellow Programme
- ii. M.Tech Equivalent Programme
 - a) PGDIE
 - b) PGDMM
 - c) PGDPM
- iii. MBA Equivalent Programme
 - d) PGDIM
 - e) PGDISEM
- iv. Post Graduate Programme for Executives in Visionary Leadership for Manufacturing (PGPEX-VLFM)



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- 2018 was released in leading Newspapers/ Journals and Magazines on 23rd January, 2018. Admission related activities are in progress.

- 01 Students have presented Literature Review
- 02 Students have presented Pre-Registration Seminar
- 10 LR cum PR
- 33 Students have presented Credit Seminar
- 33 Students have presented Pre-Synopsis Seminar
- 16 Students have presented Progress Seminar
- 16 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 45th batch PGDIE programme (2015-17) have completed their programme and have been placed in various organizations.

The students of 46th batch PGDIE programme (2016-18) have completed 6th Quarter and are now

pursing their Six Months Final Project.

The students of 47th batch PGDIE programme (2017-19) have completed 3rd Quarter.

Admission notification for 48th Batch of PGDIE, 5th Batch of PGDMM & PGDPM (2018-20) was released in leading Newspapers/Journals, Magazines and on NITIE website on 11th February 2018. 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 2nd batch PGDMM programme (2015-17) have completed their programme and have been placed in various organizations.

The students of 3rd batch PGDMM programme (2016-18) have completed 6th Quarter and are now pursuing their Six Months Final Project.

The students of 4th batch PGDMM programme (2017-19) 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 2nd batch PGDPM programme (2015-17) have completed their programme and have been placed in various organizations.

The students of 3rd batch PGDPM programme (2016-18) have completed 6th Quarter and are now pursuing their Six Months Final Project.

The students of 4th batch PGDPM programme (2017-19) 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 22nd Batch PGDIM programme (2015-17) have completed their programme and have been placed in various organizations.

The students of 23rd Batch PGDIM (2016-18) programme have completed their 7th Module.

The students of 24th Batch PGDIM (2017-19) have completed their 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 15th Batch PGDISEM (2015-17) have completed their programme and have been placed in various organizations.

The students of 16th Batch PGDISEM (2016-18) programme have completed their 7th Module.

The students of 17th Batch PGDISEM (2017-19) have completed their 3rd Module.

Admission notification in respect of PGDIM 25th Batch & PGDISEM 18th Batch was released in leading Newspapers/Journals, and Magazines on NITIE website on 5th November, 2017. A total No. of 6817 applications were received and 1760 candidates were short listed for GD & PI based on the CAT Score and overall academic performance. GD & PI was held from 26.03.2018 to 30.03.2018. 1335 candidates have attended the GD & PI.

The number of students admitted in the various programmes (2017-19)

Programme	Intake	Students Admitted
PGDIE	126	116
PGDIM	274	226
PGDISEM	39	18
PGDMM	40	24
PGDPM	40	33
FELLOW	35	26
VLFM	30	17

iv) Post Graduate Programme for Executives in Visionary Leadership for Manufacturing (PGPEX-VLFM)

NITIE launched one year full time post graduate programme for Executives in Visionary Leadership for Manufacturing (PGPEX-VLFM) jointly with IIT Delhi from the year 2017. This programme is specially designed for experienced engineers with 5 – 12 years of experience in manufacturing domain. Professionals who are eager to drive the manufacturing renaissance by putting themselves through a challenging, peer driven and experiential learning experience are encouraged to apply in either of the two categories – individual or sponsored.

The students of PGPEX-VLFM Batch have completed their 1st module and now busy with their 2nd module.

ACADEMIC ACTIVITIES

b. Areas

- | | | |
|-------|--|----------------------------|
| i. | Industrial Engineering and Manufacturing Systems | Prof. (Ms) Priyanka Verma |
| ii. | Operations and Supply Chain Management | Prof. Rakesh Raut |
| iii. | Engineering Technology and Project Management | Prof. (Ms.) Vijaya Dixit |
| iv. | Decision Science and Information Systems | Prof. (Ms.) Purnima Sangle |
| v. | Environmental Engineering & Management | Prof. (Ms.) Hema Diwan |
| vi. | Economics and Strategy | Prof. A S Binilkumar |
| vii. | Finance and Accounts | Prof. Vipul Kumar Singh |
| viii. | Marketing | Prof. Ranjan Chaudhary |
| ix. | Organizational Behaviour and Human Resource Management | Prof. Nikhil Mehta |



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.	Prof. KVSS Narayana Rao	Professor	Industrial Engineering, Capital Markets, Financial Modelling
2.	Prof. L. Ganapathy	Professor	Quantitative Methods, Project Management
3.	Prof. Ashok K. Pundir	Professor	Industrial Engineering, Project Management, Supply chain management
4.	Prof. Milind Akarte	Professor	Industrial Engineering, Operations & Supply Chain Management, Manufacturing Strategy, MCDM, Additive Manufacturing
5.	Prof. Padmanav Acharya	Professor	Industrial Engineering, System Dynamics, Project Management, Logistics Supply Chain
6.	Prof. S.K. Rauf Iqbal	Associate Professor	Ergonomics and Human Factors Engineering, Work System Design
7.	Prof. Vivek Khanzode	Associate Professor	Industrial Engineering, Operations Management, Lean Manufacturing
8.	Prof. Balkrishna Eknath Narkhede	Associate Professor	Industrial Engineering, World Class Manufacturing



S.No	Faculty	Designation	Specialization
9.	Prof. Priyanka Verma	Assistant Professor	Industrial Engineering, Supply Chain Modelling, Facilities Planning, Operations, Quantitative Techniques
10.	Prof. Jinil Persis	Assistant Professor	Operations Research, Simulations and modeling analysis, Evolutionary multi-objective optimization techniques

3. Outreach (including building Institutional linkages)

- Fifteen Days internship program was hosted by AMCE for PEC, Chandigarh, under student exchange program from 15th May to 26th May 2017 under the guidance of Prof. Vivek Khanzode and Prof. Rauf Iqbal.
- National Productivity Week on the theme of “Industry 4.0 - Leapfrog Opportunity for India” was celebrated during 12th -18th February, 2018.

OPERATIONS AND SUPPLY CHAIN MANAGEMENT

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

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

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

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

Profile	Details	Remarks
Faculty	07	Area Core
		Other group members
Fellows*	01 / 06	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
1.	Mr. Mohd. Asif Gandhi (Awarded)	Sanjay Sharma	Correlations in green SCM practices & performance	Industry	Green SCM
2.	Ravindra Baliga	Sachin Kamble / Rakesh Raut	A Sustainable Closed Loop Supply Chain Model for Integrated Pulp and Paper Manufacturing Industry	Industry	Sustainability, Paper Industry
3.	Praveen Dongre	Ravindra Gokhale	A Study of Supply Chain Performance Measures in Organizations	Sector	Supply Chain Performance, MSME
4.	Prasad Patil	Prof. K. Maddulety/ Prof. Sushmita Narayana	TQM -SCM	Industry	Quality SCM



Sr. No	Fellow	Faculty	Topic	Research Level - Firm / Industry / Sector	Research Area / keywords
5.	Rohit Sharma	Prof. Sachin Kamble	Course work completed		Course work completed
6.	Pankaj Kalwaghe	Prof. Rakesh Raut	Course work completed		Course work completed
7.	Lavanya Meherishi	Prof. Sushmita Narayana	Course work completed		Course work completed

Area Publications – Conferences and Journals [2017-18]

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

1. Outreach (including building Institutional linkages)

Management Development Programme [MDP]

Current Focus of these courses – MDPs proposed in Academic Year 2017 -18

- 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

a) Introduction to the area (including Objectives):

In today's environment, technology is a vital element that can give an organization its required competitive edge. Project Management plays a major role to align business strategy with technology management. ETPM area is the amalgamation of two vital areas Project Management and Engineering Technology with the following goals.

1. To provide a platform to identify, create and implement strategies that enables technologies to reach its potential
2. To build capability for resolving business problems in an integrated way of engineering, technology and business functions.

The primary objective of ETPM area is that by the end of the courses taken under ETPM area, a student will be able to develop competency to handle, manage projects and technology for competitive advantage.

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

Sr. No.	Faculty	Focus Area	Spectrum of Work
1.	Prof. Kanchan Joshi	Operations Research/ Project Management	Project Management, Scheduling, Resource Planning, Optimization, Metaheuristics Algorithms, OR models for Social Entrepreneurs
2.	Prof. Karuna Jain	Project Management / Technology Management/SCM	Strategic Technology & Innovation Management, Intellectual Property Management, R&D Management, Project Management, SCM
3.	Prof. Koteswar rao Naik	Technology Management/IPR	Creativity, IP Management, Technology Management and Entrepreneurship
4.	Prof. R Mukundan	Technology Management/IPR	Technology, IP and Innovation Strategy, Standards, Licensing and Commons, Complex Systems Engineering, Foresight and Technology Roadmaps
5.	Prof. Ruchita Gupta	Technology Management/ Project Risk Management	Diffusion and Adoption, Technology Transfer and Commercialisation, Technology Forecasting, Technology Entrepreneurship
6.	Prof. Vivekanand Khanapuri	Project Management / Maintenance Management	Project stakeholder management, Project monitoring and control, Project selection, Maintenance Management, BPR & IT

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

Teaching – Courses currently offered in the area

Project Management, Technology and Innovation Management, Quantitative Models for Project Management, Project Risk Management, Strategic NPD, Managing Creativity & Innovation, Large Engineering Projects, R&D Project Management, IP Management, Business Research Methods

**Area course path**

Specific to Fellow Students:

Project Management/ Technology and Innovation Management → Stream Specific Courses namely, Advanced Project Management/Technology Management, → Perspectives on Engineering Technology and Project Management → Any other courses offered by specific Faculty Guides

2. Research

Profile	Details	Remarks
Faculty	06	Area Core
		Other group members
Fellows*	01 / 12	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
1.	Sushma Priyadarshini Yella	Prof Karuna Jain	Corporate Finance regulated firms valuation	Industry	Green SCM
2.	Rose Anthony	Prof Karuna Jain/ Prof V. Khanapuri	Improving Project Management Practices in Agriculture	Sector	Sustainability, Paper Industry
3.	Snehal Tawate	Prof Karuna Jain/ Prof Ruchita Gupta	Technology commercialization in biotechnology firms in India	Sector	Technology commercialization
4.	Anjali Shishodia	Prof Karuna Jain/ Prof Priyanka Verma	Designing resilient project network based on project characteristics and risks	Industry	Quality SCM
5.	Ajitkumar	Prof Karuna Jain/Prof R. Mukundan	A study on Technology strategic Planning & Decision	Industry	Strategic decision making
6.	Mahak Sharma	Prof Ruchita Gupta/Prof P acharya	Adoption of Cloud Computing Services in ICT firms in India	Industry	Cloud Computing in ICT
7.	Saurabh Kulkarni	Prof R. Mukundan/Prof Priyanka Verma	Dynamics of Manufacturing Strategy	Sector	Manufacturing Strategy



Sr. No	Fellow	Faculty	Topic	Research Level - Firm / Industry / Sector	Research Area / keywords
8.	Mr. Vilas Kharat	Prof Koteswar rao Naik	Project Portfolio Management	Industry	Portfolio Management
9.	Madhumita	Prof V. Khanapuri	Project Monitoring & Control	Industry	Monitoring & Control
10.	Shashankkumar	Prof Karuna Jain/ Prof B.Narkhede	Course work completed	Industry	Course work completed
11.	Kavita Bangale	Prof. Kanchan Joshi/Prof Ruchita Gupta	Course work completed	Industry	Course work completed
12.	Shreyanshu Parhi	Prof Milind Akarte/Prof Kanchan Joshi	Course work completed	Industry	Course work completed

Area Publications – Conferences and Journals [2017-18]

Sr.No	Contributions	Numbers
1.	International/National Conferences	05
2.	Journals	7
3.	Case studies	*Cases published in journals are considered in Journals
4.	Newsletters / Others	00

1. Outreach (including building Institutional linkages)

Management Development Programme [MDP]

Current Focus of these courses – MDPs proposed in Academic Year 2017 -18

- Project Planning and Control
- Project Procurement and Contracts Management
- Decision making skills for Project managers
- Technology Management Tool-kit: From Concept to New Product Development
- Systems Thinking for business - visualising the big picture
- Strategic Management of Intellectual Property (IP)
- Competing through Lean Thinking
- Technology Transfer toolkit and IP Analytics
- Driving innovation culture in technology start ups
- Industry 4.0 strategies and deployment
- Project Risk management
- Project Financing

Conducted a specialized one year certification programme for HPCL in Project Management.

Jointly working with PMI.



DECISION SCIENCES AND INFORMATION SYSTEMS

Introduction to the Area

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.

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. Rakesh Verma	Operations Research, OR Application to Healthcare, MCDM, Fuzzy Logic and Its Application To Engineering and Business, Data Analytics
5.	Prof. S. C. Panandikar	Application of Statistics in Marketing Research, Finance and Econometrics.
6.	Prof. Debabrata Das	Quantitative Techniques for Decision Making, Quantitative Models for Supply Chain Management, System Dynamics Modelling, Multi-Criterion Decision Analysis, Multi-Objective Optimization, Decision Making under Risk and Uncertainty, Closed-Loop Supply Chain Management, Reverse Logistics

Growth of Area and Activities undertaken during the year

Academic

Various courses are being taught by Area faculty members mainly focusing on Data Driven Decision Making, Data 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, Operations Research, Multi-Objective Optimization, Quality Management, etc.

Research**Fellow Students Awarded/Viva-Voce during 2017-18**

Student Name	Name of Faculty	Viva-Voce Examination/ Awarded	Topic
Mujib Abbas Tamboli	Prof. P.K. Biswas	Awarded	Evaluation of Mobile Learning Applications from Usability Perspective
Somayya Madakkam	Prof. R. Ramaswamy	Awarded	A Study on Internet of Things (IoT) Technologies in Smart Cities: An Exploratory Study in India

Outreach

Prof. Purnima Sangle

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



ENVIRONMENTAL ENGINEERING & MANAGEMENT

1. Introduction to Area:

The Environmental Engineering and Management (EEM) area is interdisciplinary and cross functional area. The area interfaces with engineering and management aspects in the environment and safety domain with the broader objective to excel in the area of Environmental Management, Safety, CSR and Sustainability. The area is focused on developing strategies and methods for sustainable growth of industry while improving their environmental performance and minimizing their ecological footprint and impacts. The area has dedicated faculty members with strong academic and research background in the field of Environment, Sustainability, Health and Safety. The faculty interacts with industry, academic and research institutes to provide insights in several areas. The area is very active and organizes several academic and outreach activities every year.

2. List of area members and specialization:

Name of Member	Specialization
Seema Unnikrishnan (Professor)	Environmental law and Policy, Disaster Management
Shirish Sangle (Professor)	Organization and Natural Environment
Shankar Murthy (Professor)	Environmental Engineering, Process Safety, Industrial Wastewater Management
Anju Singh (Associate Professor)	Business sustainability, Environmental management, Corporate Social Responsibility

Name of Member	Specialization
Hema Diwan (Assistant Professor)	Industrial pollution control, EIA, Sustainability management
V.V. Gedam (Assistant Professor)	Chemical Hazard and Safety, Sustainable development, Solid and Hazardous Waste Management

4. Growth of Area and activities undertaken during the year:

1. Academic:

i. Courses offered

- Sustainable development
- Sustainable manufacturing
- Environment and Safety Legislation
- Air & Noise quality management
- Disaster management
- Energy management
- EIA for developmental projects
- Business strategy for sustainability
- Shop floor waste management
- Business strategies for climate change
- Clean Development Mechanism and climate change
- Process Safety Management
- SHE audit system
- Environmental Modeling
- Sustainability Laboratory
- Business strategies for climate change
- Strategic CSR
- Sustainable operation and management

ii. One day workshop on “Industrial Safety and Sustainability”



Environmental Engineering and Management (EEM) area organised one day workshop entitled “ISEM CONCLAVE” focused on “Industrial Safety and Sustainability” with an objective to disseminate the concepts and good practices of Industrial Safety and Sustainability among professionals on the eve of “National Safety Day” on March, 9th 2018.



The conclave was focused on Sustainability and Environment Health and Safety (EHS) by inculcating a “people-planet-profit” approach towards managing operations and providing business solutions. Practice leaders and experts in the area of Industrial Safety and Sustainability were invited to deliver talks in the conclave followed by panel discussion. The event was chaired by well-known speakers from corporate, industry and was attended by delegates, professors and students.

2. Research:

2.1 Externally sponsored research projects

1. **Supporting Consolidation, Replication and up-scaling of Sustainable Wastewater Treatment and Reuse Technologies for India (SARASWATI).** It is sponsored by European Union –Department of Science and Technology and is a pan India network project with IITs, TERI, TISS from India and 16 European partners.

2. **Evaluation of climate change impacts and suitable adaptation strategies for crop production and its environmental and economic implications in vulnerable regions of Thailand and India.** It is sponsored by French Ministry of Foreign Affairs and International Development Cooperation. The project is in collaboration with four faculty members from Asian Institute of Technology, Bangkok.

3. **Enhancing Water Responsibility of Indian Companies.** A Bombay Chamber of Commerce and Industry sponsored project.

2.2 Three Ph.D. Awarded

1. Santanu Satpathy: “Adoption of Cleaner Technologies & Technology-based Products”, July 2017.
2. Manoj Govind Kharat: “Study on Pro-Environmental Behaviour of Households and Sustainability: A case of Waste Management”
3. Sangeeta Verma SCS-CN inspired model coupled with RS and GIS

2.3 Journal Publications

13 papers were published in National and International journals of repute and 1 book chapter was published.



2.4 Conference publications

3 papers were presented in 3 International conferences.

9 posters were presented in 3 International conferences

2.5 Workshops/conferences organized

1. SARASWATI project – One day Stakeholder Workshop on Sustainability Indicators Index Development for Sewage Treatment Plants organized on 26th May 2017. It was attended by both Indian and International experts on sewage treatment and management.
2. Prof. Anju Singh- Resource Team member for organizing National Conference on Clean Air Mission-Maharashtra 2022 with MPCB and IIT Bombay on 22.8.2017, Hotel Taj President, Mumbai.
3. Prof. Anju Singh- Co-organizer to Mumbai AIROTHON with IIT Bombay and EMC during 29-30 November 2017
4. SARASWATI- One day expert meeting and workshop to formulate research proposal on Saraswati 2 for EU-DST Water call for proposals on 12th January 2018.
5. Panel Discussion (Run up event) for Global International Conference on Cyber Space GCCS on Organized “Digital Transformation and Innovation for Sustainable Development” on 4th November 2017.
6. Prof. Anju Singh - Panel member for Customer Engagement Panel discussion by thinkstep India on 22.8.2017 in ITC Maratha, Dynasty Hall.

Outreach:

1. Conducted 12 UBPs on “Risk Analysis and Disaster Management” for major oil companies like IOCL, BPCL and HPCL.

2. Prof. Seema Unnikrishnan

- Was invited as an Expert speaker on Environmental Compliance in the 5th ASSE [American Society of Safety Engineers] India chapter on April 28th 2017.

3. Prof. Anju Singh

- Was invited to apply and selected to participate in a partially funded workshop on Green Policy and Management for Eco-Innovation and Resource Efficient Cities during 13-16 June 2017, International Convention Center Jeju, Jeju
- Was invited as examiner at IIT Bombay in June-July 2017 for several M.Tech. one year thesis.
- Was invited as external examiner at Asian Institute of Technology Bangkok for a student's dissertation.
- Was invited to attend Business and Biodiversity Conference – National Biodiversity Targets 2020: Challenges and opportunities, The Lalit, Mumbai.
- Was invited as Judge for Good Corporate Citizen Awards 2017 by Bombay Chamber of Commerce and Industry (BCCI) Mumbai.
- Was invited as Judge for Civic Corporate Awards 2017 by Bombay Chamber of Commerce and Industry (BCCI) Mumbai.
- Poster presentation was selected in Global International Conference on Cyber Space (GCCS 2017, New Delhi) from all over India (one of 16 posters).
- Was invited to review IWA World Water Congress 2018 papers.
- Was invited to submit proposal for EU-India call on water 2017 in November 2017.
- Faculty members of the group were invited to be reviewer of several journals and to review several papers.



5. Achievements of area/area member:

1. IOSH reaccreditation in 2017 for the PGDISEM programme for five more years.
2. NITIE received Best Eco Campus award amongst all Institutions in India by YES BANK, September 01, 2017, New Delhi.
3. **Best Team** Prof Anju Singh was selected Team Lead for CII -ITC Sustainability Awards 2017. Their team was adjudged Best Team 2017 based on a survey done by the Applicants, fellow Assessors and Awards Secretariat.
4. **Best Presentation** – Prof. Anju Singh presented the methodology and approach towards Life cycle assessment of agricultural crops in thinkstep academic conference in Mumbai. The paper was awarded Best Paper presentation.



Prof. Shirish Sangle receiving the 3rd YES Bank "Natural Capital Awards", for NITIE as Best Eco Campus in India.



Prof. Anju Singh's Team received CII-ITC Sustainability Best Assessor Team Award 2017



Prof. Anju Singh and Ms. Megha Sawant received Best Paper Award in thinkstep academic conference 2018



EUROMA conference in Kassel Germany March 2018 – Prof. Anju Singh with Prof. Sushmita, Prof. Priyanka and Prof. Joseph Sarkis of Green Supply Chain fame.



SARASWATI – Stakeholder workshop on sustainability indicators in May 2018



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



Name of Faculty	Area of Research Specialization	Current Research Topics
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.
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

- A. *Core Courses*
 - Managerial Economics
 - Strategic Management
 - Legal Aspects of Business
- B. *Electives*
 - Economics of Strategy
 - Industrial Organization

**1. PG COURSES**

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
 Strategy and Organization

Faculty wise details**1- Vijaya Gupta, Professor, Economics and Strategy**

Prof Vijaya Gupta Professor	Valuation of intangibles, Growth and environment, vulnerability due to climate change, Adaptation strategies in climate change, inequality and poverty, social entrepreneurship	Agriculture, Coastal regions, Water
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Teaching

Institute Core Course: Managerial Economics

Elective Course for PGDIM, PGDIE, PGDPM, PGDMM, PGDISEM: Environmental Economics

Fellow Course: Macro Economics, Modern Indian Economy

2. Prof. Binilkumar Amarayil Sreeraman, Assistant Professor

Name of Faculty	Area of Research Specialization	Current Research Topics
Prof. Binilkumar Amarayil Sreeraman (Assistant Professor)	Natural Resource Economics, Economics of Renewable Energy, Mobility Issues of Metropolis, Regional Innovation and Cluster Competitiveness, Retail Economics,	Mobility Constraints and choices of Urban Dwellers, Stakeholders Preferences over adopting Electric Vehicles (EVs) in India Economic Valuation of Environment and Natural Resources, Regional Innovation Systems and Competitiveness among Food Processing Clusters

Research Projects Undertaken

Prof. Binilkumar Amarayil Sreeraman has undertaken a research study on “Estimating Farmers Preferences Over Improved Conservation of Kol Wetlands in Kerala” with Financial Assistance from NITIE of Rs 1 Lakhs Under Faculty Research Scheme.

Outreach

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



Prof. Binilkumar Amarayil Sreeraman is the editor in Chief of the Journal Udyog Pragati the journal for Practising Managers.

Prof. Binilkumar Amarayil Sreeraman is a reviewer of Sage, Elsevier and Routledge Journals

3- Poonam Singh, Assistant professor, Economics and Strategy

Prof. Poonam Singh Assistant Professor	Corporate Governance, Competition, Mergers and Acquisitions, Empirical Behavioural Corporate Finance	Competition Telecom Sector, Pharmaceuticals, Big Data and MSME, Corporate Governance, Block deals and Monitoring, Mergers and Acquisitions and Heuristics and Biases
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Teaching

Core Course for PGDIM, PGDIE, PGDPM, PGDMM: Managerial Economics

Elective Course for PGDIM, PGDIE, PGDPM, PGDMM: Industrial Organization, Business Analysis and Econometric Application

Fellow Course: Econometrics

Course for Visionary Leadership in Manufacturing (VLFM): Managerial Economics and Macroeconomic Environment and Policy

4- Som Sekhar Bhattacharyya, Associate Professor, Economics and Strategy

Som Sekhar Bhattacharyya Associate professor	Strategic Management, International Business Strategy, Mergers and Acquisitions, Strategy and Organization
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Teaching

Core Course for PGDIM and PGDPM: Strategic Management

Elective Course for PGDIM: International Business Strategy, Mergers and Acquisitions

Fellow Course: Strategy and Organization

Course for Visionary Leadership in Manufacturing (VLFM): Strategic Management

Dr. Utpal Chattopadhyay, Associate Professor (Economics & Strategy Area)

Areas of Specialization

Globalization & Global Competitiveness, Economic Environment of Business, Economics of Strategy, Small and Medium Enterprises (SMEs).

Teaching

Managerial Economics (core course), Economics of Strategy (elective course), Global Trade and Institutions (elective course).

Outreach

Course Leader of a Unit based Programme (UBP) on **Managerial Skills for Technical Personnel** for M/S Indian Rare Earth Limited, Mumbai during March 5-10, 2018.

Organized one-day workshop on **MSMEs at Cross Roads: An Analysis of the Impact of GST, New Financial Schemes and Change in Definition** under the aegis of NITIE’s Centre for Global Competitiveness of MSMEs (CGCM) on March 10, 2018.

FINANCE AND ACCOUNTS

a) Introduction to the area:

Accounting and Finance 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
1.	Prof. M. 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
2.	Prof. K. S. Ranjani (Assistant Professor)	Accounting Financial Inclusion Project Finance	Teaching, Training, and Research Training and Research Teaching and Research
3.	Prof. Vipul Kumar Singh (Assistant Professor)	Financial Engineering, Applications of Derivatives in Project Management, Financial Markets	Teaching, Training, and Research
4.	Prof. Ajaya Kumar Panda (Assistant Professor)	International Finance, Corporate finance, Financial Economics and Applied Econometrics	Teaching, Training, and Research

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

- 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, Prof Vipul offered Financial Time Series Modeling and Prof, Ajaya offered International Finance & Forex Management.

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 Finance 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 publish quality research papers indexed in Scopus and Web of Science. In future, area would like to collaborate within and outside the area and produce research that would be multi-disciplinary.

3. Externally Funded Research Projects:

- **Dr. Vipul Kumar Singh:**

- 1) Shock Spillover of Crude oil prices on Emerging Market Currencies; A Network Analysis, Sponsored by ICSSR, New Delhi, (2017-18) Budget: Rs. 5,50,000 (Five lakh Fifty Thousand), **Status: On Progress. (PI)**
- 2) Financing preferences and determinants of capital structure- A study on Small and Medium Enterprises in Maharashtra, Sponsored by ICSSR, New Delhi, (2017-18) Budget: Rs. 7,00,000 (Seven lakhs), **Status: On Progress. (Co. PI)**

- **Dr. Ajaya Kumar Panda**

- 1) Financing preferences and determinants of capital structure- A study on Small and Medium Enterprises in Maharashtra, Sponsored by ICSSR, New Delhi, (2017-18) Budget: Rs. 7,00,000 (Seven lakhs), **Status: On Progress. (Co. PI)**
- 2) Scope and challenges of women participation in small scale industries; a study on rural and urban women entrepreneurs of Maharashtra; Sponsored by ICSSR, New Delhi, (2017-18) Budget: Rs. 6,00,000 (Six lakhs), **Status: On Progress. (Co. PI)**
- 3) Shock Spillover of Crude oil prices on Emerging Market Currencies; A Network Analysis, Sponsored by ICSSR, New Delhi, (2017-18) Budget: Rs. 5,50,000 (Five lakh Fifty Thousand), **Status: On Progress. (Co. PI)**
- 4) The proposal for setting up NIDHI Technology Business Incubator (TBI) at NITIE, Mumbai is approved by DST, MHRD, June-2017, Budget: Rs. 13 Cr. (Thirteen Crores) **(Core Team Member)**

MARKETING

Introduction:

Marketing is central to any business. The quintessential goal of any organization is customer acquisition and retention. Marketing provides insights for managing the marketing mix viz product, price, place and promotion; besides undertaking STP (segmentation, targeting and positioning) to achieve customer satisfaction. A well designed marketing leads to delighted and loyal customer. Marketing Faculty at NITIE having rich experience in teaching and research help students learn the latest concepts, practices and tools in marketing. Training and consultancy activities of marketing area help organizations achieve their goal of being 'customer oriented' and 'market focused'.

a) List of Area members and their specialization:

Sr.No.	Faculty	Focus Area	Spectrum of Work
1.	Prof. Manoj Kumar Jha	Marketing Management	Business to business Marketing Marketing strategy
2.	Prof. Neeraj Pandey	Pricing, Digital Marketing, B2B Marketing	Pricing of Products & Services, Digital Marketing, Consumer Insights, Healthcare Marketing
3.	Prof. Neha Srivastava	Marketing Management, Consumer Behavior, Brand Management.	Consumer behaviour models, Brand trust, Consumer information processing, consumer based equity.
4.	Prof. Ranjan Chaudhuri (On Lien)	Marketing Management, Retail Management	Retail Management, Global Marketing
5.	Prof. Rekha D. Chikhalkar (On Sabbatical)	Marketing Management	Marketing Research
6.	Prof. Sanjeev Verma	Marketing Research, Marketing Analytics, Experiential Marketing	Customer Engagement, Customer Experience, Customer Centricity
7.	Prof. Ujjwal Paul	Agricultural Marketing, India's Act East Policy	Marketing of perishable commodities, Sub-regional cooperation, Peripheral development

b) Growth of Area and activities undertaken during the year:
Academic

The Marketing Faculty at NITIE have expertise in *Advertising, B2B Marketing, Brand Management, Consumer Behaviour, Digital Marketing, Healthcare Marketing, International Marketing, Marketing Analytics, Marketing Research, Pricing, Retail Management, Rural Marketing, Sales and Distribution Management, Services Marketing and Strategic Marketing.*

Teaching – Courses currently offered in the area

Marketing Management, Advertising, B2B Marketing, Consumer Behaviour, Digital Marketing, Healthcare Marketing, Marketing Analytics, Marketing Research, Pricing, Retail Management, Rural Marketing, Services Marketing

**Research**

Profile	Details	Remarks
Faculty	07	Area Core
Fellows	04 / 07	Completed / Current

Research – Fellow (Awarded & Ongoing)

Sr.No	Fellow	Faculty	Topic	Research Level - Firm / Industry / Sector	Research Area / keywords
1.	Trisha Parekh	M.K.Jha	Brand Associations in Driving Customer Engagement- A Case of IPL	Industry	Customer Engagement
2.	Avinash Tripathi (Awarded)	Neeraj Pandey	Impact of Price framing on Willingness to Buy (WTB) of green products	Industry	Pricing
3.	Mugdha Y. Keskar	Neeraj Pandey	Development of Customer Satisfaction Index for measuring customer satisfaction of internet banking customers in India	Industry	Customer Satisfaction Index
4.	Preeti Nayal	Neeraj Pandey	Enhancing digital coupon redemption in the movie industry	Industry	Pricing
5.	Manoj Kharat	R D Chikhalkar and Manoj K Jha	Brand Management	Industry	Brand Management
6.	Vinita Singh (Awarded)	Ranjan Chaudhuri Sanjeev Verma	Psychological Antecedents and Measurement of Online Apparel Buyer Intention-An Empirical Study of Tertiary Level Indian Students	Industry	Online Buyer Behavior
7.	Siddharth Tripathi (Thesis Submitted)	Sanjeev Verma	Determinants of Engagement on Social Media: A Study of NGO's in Indian Education Sector	Industry	Customer Engagement
8.	Harish Suri	Sanjeev Verma	Determinants of Experience Components that Co-create Value for Customer: A Study in Indian Healthcare Industry	Industry	Customer Experience
9.	Ashesh Das	Sanjeev Verma Mainak Mazumdar	Customer Centricity in Indian SME's	Industry	Customer Centricity

Sr.No	Fellow	Faculty	Topic	Research Level - Firm / Industry / Sector	Research Area / keywords
10.	Brajesh Bolia	M.K. Jha Sumi Jha	A Study of cognitive dissonance	Industry	Cognitive Dissonance
11.	Gitesh Chavan (Awarded)	Ranjan Chaudhuri	Performance Evaluation of Industrial Purchasing Function in EPCs	Industry	B2B Marketing

Area Publications – Conferences and Journals [2017-18]

Sr.No	Contributions	Numbers
1.	International/National Conferences	6
2.	Journals	21
3.	Case studies	2

Outreach (including building Institutional linkages)

Sr. No.	MDP Title	Faculty Name
1.	Marketing Strategy for Industrial Products	Prof. M. K. Jha
2.	Strategic Marketing for Competitive Advantage	Prof. Neeraj Pandey/Prof. Sanjeev Verma/ Prof. R. D. Chikhalkar
3.	Competitive Pricing Strategy	Prof. Neeraj Pandey
4.	Sales Management for Enhanced Profitability	Prof. Sanjeev Verma/ Prof. Neeraj Pandey
5.	Business to Business Marketing	Prof. M. K. Jha
6.	Digital Marketing	Prof. Neeraj Pandey
7.	Managing Customer Expectation for Improved Profitability	Prof. Sanjeev Verma

Any achievements of area members/area

Prof. Sanjeev Verma was awarded with Best Professor in Marketing Management by Higher Education Forum (HEF), 2018; Outstanding Management Teacher Award by AIMS International, 2018; Best Professor in Marketing (Innovative Education Leadership Awards) by DNA and Star of the Industry Group, 2018; Outstanding Faculty Award by World Education Congress, 2017; Best Professor in Marketing by B-School Affairs and Dewang Mehta National Education Award, 2017.





ORGANIZATIONAL BEHAVIOUR AND HUMAN RESOURCE MANAGEMENT

Our objective is to develop engineering, managerial and leadership capabilities of students and executives through specific focus on behavioral and HR functional aspects of organization.

List of Area members and their specialization

Sr.No	Faculty	Focus Area	Spectrum of Work
1.	DKS	HR& OB, Principles of Management	Organizational Structure & Performance, Training & Development
2.	SKN	OB & HR, Psychology	Job Redesign & Work Motivation, Psychological Assessment, Personnel Selection, Leadership, Positive Psychology
3.	TP	Principles of organisation and Management, Entrepreneurship	Entrepreneurship, Developing entrepreneurial personality
4.	NKM	Communication, Ethics	Communication Challenges in institutional areas of interest, Interpersonal processes, Emotional Intelligence, Bhagavad Gita, Culture
5.	SJA	OB and HR, Analytics	Leadership, HR analytics, Competency management, Organizational health and employee empowerment
6.	UAA	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
7.	SKB	HRM and Strategy	Human Resource Management, Strategic KM, IR, HR Analytics, Innovation, Flexibility, and Organization Vitality

Growth of Area and activities undertaken during the year

Academic Work Load of Faculty Members

SN	Faculty	Allocations		
		Core	Elective	Total
1	DKS	7.5	4.5	11.5
2	SKN	6	5	11
3	TP	6	6	12



SN	Faculty	Allocations		
		Core	Elective	Total
4	NKM	12	4	16
5	SJ	13	10	23
6	UAA	12	6	18
7.	SKB	1		1
				92.5 credits

Fellow Students Award/Summer Internships/Three or Six Month Projects

Sr. No.	Academic Activity	No. of Students							
		DKS	SKN	TP	NKM	SJA	UAA	SKB	Total
1.	Fellowship awarded	Nil	1 submi-tted	Nil	Nil	NIL	1		01
2.	Summer Internship	5	5	5	5	5	5	5	30
3.	Three months PGDIM/ PGDISEM project field project	4	3	4	4	5	5		25
4.	Six month PGDIE/ PGDMM/PGDPM projects	3	3	5	3	3	3		20
	Total	12	11	14	12	13	14		76

Research 2016-2017**Present Fellow Students**

DKS	SKN	TP	NKM	SJA	UAA
1.5	0.5	1.5	3	1.5	1

Publications of Faculty Members

Faculty	Conferences	Journals	Case/ Case studies	Newsletters / others	Book	Book chapters	Total
DKS	01	02	00	00	00	00	03
SKN	00	06	00	00	01	00	07
TP	03	00	00	00	00	00	03
NKM	02	04	01	00	00	00	07
SJA	04	03	02	00	00	00	09
UAA	03	05	00	00	00	00	08
SKB	-	-	-	-		01	01
Total	13	20	03	00	01	01	38

**Area Involvement in Institute Administration**

SN	Name of the Faculty Member	Institute Administration
1	Prof. D.K.Srivastava	Chairperson: Health Care Management Committee, PRMS, Advertisement Committee
2	Prof. S. K. Nair	Chairperson - CPSC, Professor-In-Charge Psychology Lab
3	Prof. T. Prasad	Chief warden Hostel, Faculty Coordinator: Swacch Bharat Abhiyaan
4	Prof. N.K. Mehta	Prof. In-charge, Case Development Centre, Member-Hindi Rajbhasha Karyanvayan Samiti, VLFM Committee member –Admission, Chairperson, Officer’s club.
5	Prof. S. Jha	Area coordinator, Secretary, NITIE Alumni Association, VLFM Committee member, Member Case Development Centre, Consumer Insight Centre, and Mind to Market Centre
6	Prof. U. A. Agarwal	Prof. In-Charge NCCS, VLFM Committee member

Achievements of Area Members/Area

Prof. Upasna A. Agarwal received Best Teacher’s Award 2017 from National Institute of Industrial Engineering

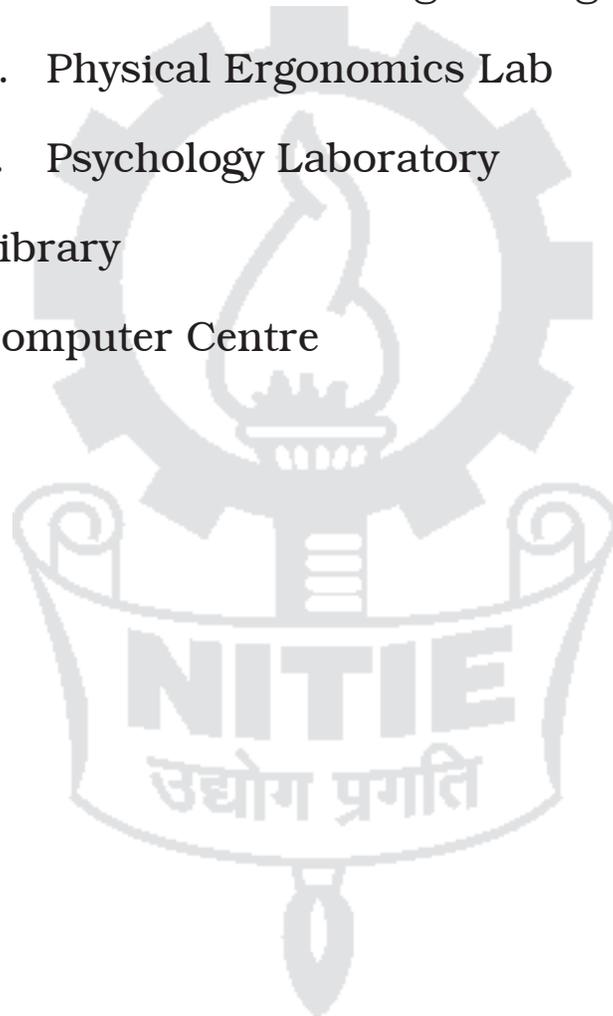
Prof. Upasna A. Agarwal received Best AIMS International Management Teacher Award 2017

Prof. Nikhil Mehta received Best Faculty Award -2017, OB and HR area from Dewang Mehta

ACADEMIC ACTIVITIES

c. Academic Infrastructure and Facilities

- Laboratories
 - a. Industrial Environment / Environmental Engineering Lab
 - b. Physical Ergonomics Lab
 - c. Psychology Laboratory
- Library
- Computer Centre





ENVIRONMENTAL ENGINEERING LAB

The Lab for Environmental Engineering was established in 1995, with the objective of carrying out various research and sampling activities in the area of Environmental Engineering and Management. The lab was initially put up under MODROB [Modernization and Removal of Obsolescence scheme] with assistance from AICTE

Coordinator of the Lab: Prof. Seema Unnikrishnan

Technical Staff in Lab : One MTS, Dilip V.Chauhan [shared by 3 labs]

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 Outcomes and Activities during the Year:

Demonstration of equipments to Post graduate students of the Industrial Safety and Environmental Management Course,

Facilities were earlier used for the sampling and analysis studies by the fellow students of NITIE.

Intellectual Property created: Nil

No. of Conferences / Workshops organised: Nil



INDUSTRIAL ENVIRONMENT LAB

The Industrial Environmental laboratory was established in 1990 with the objective and focus of research in the area of industrial pollution control. With growing impacts of industrial process on environment, impact assessment of these operations on air, water and soil environment become 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. The lab is co-ordinated by Prof. Vidyadhar V. Gedam with one technical staff. The lab is actively seeking and submitting research proposals for external research grants.

R&D Activities: Experimentation and analysis under (SARASWATI) research project.

Physical facility available in the lab:

Incubator Oven Water bath Muffle furnace Weighing balance Autoclave COD digester Noise dose meter Audio and sound level meter

Lab outcomes

- The instruments and physical facility have been used during the year 2017-2018 to teach the students of the post graduate Programme in Industrial Safety and Environmental Management (ISEM) for subjects like solid waste, water and waste water, hazardous waste, air and noise management, etc.
- The research activities of the centre of environmental sciences and the Supporting

Consolidation, Replication and Upscaling of Sustainable Wastewater Treatment & Reuse Technology for India (SARASWATI) research project are being carried out with the help of this lab.

- The fellow and research scholars in Environmental Engineering and Management (EEM) area are also using the lab facility for their research. Noise & Hearing Measurement equipment in the Industrial Environment laboratory is used by the students of Post Graduate Diploma in Industrial Safety & Environmental Management (ISEM) to have "Hands on" experience for various courses in the Environment Health and Safety (EHS) area. The same is also used for demonstration to the Management Development Programme (MDP) participants in the EHS area.

Intellectual property created : Nil

Conference and workshop organized : Nil



Industrial Environment Lab



PHYSICAL ERGONOMICS LAB (PEL)

Name of Prof. In charge: Prof. Rauf Iqbal

Ergonomics lab has: 01 faculty member, 02 Fellow students, 02 Research Assistant,

(1) Lab Outcomes: Research findings, Doctoral thesis, Published papers, Training courses, Industrial consultancy.

(2) IntellectualPropertyCreated: --

(3) No.Conferences/workshopsorganised: --

CentreR&DActivities:

InstituteSponsoredProjects

New

Projects	Ongoing	Completed
■	02	01

PhD completed: 01

Teaching:

Subjects taught to PGP students:

1. Industrial Ergonomics
2. Ergonomics of Manufacturing
3. Work systems design
4. Facilities Planning
5. Industrial Engineering and productivity management

Research:

Publication: 08 (International) in the-

- i) Springer -02
- ii) Work
- iii) Journal of Medical and Biological Engineering 02
- iv) The Japanese Journal of Ergonomics.
- iv) Journal of Musculoskeletal Research.
- v) MOJ Anatomy & Physiology

JournalConference presentation: 01 paper has been accepted for oral presentation in the World Congress of International Ergonomics Association (IEA 2018) from 26 – 30 August 2018 in Florence, Italy.

Project:

1. Title: “Redesigning the palanquin system for Mata Vaishno Devi Shrine”.

Status of the project: Final design of the palanquin has been sent to Shrine board for the use of the porters.

Lab Activities:

1. Lab experiment on Biomechanical analysis of work was done for the students of PEC Chandigarh in the centre on May 2017.
2. Anthropometric measurement was done on 105 PGDIE and PGDMM students of NITIE on August 2017.
3. Training on Electromyography (EMG) and Gait analysis were done three times since April 2017 to March 2018.
4. Students from National Institute of Fashion Technology (NIFT) visited Physical Ergonomics lab and data was collected for ongoing project in the lab on January 2018.
5. Students from P Savani University, Surat visited Physical Ergonomics lab and data was collected for ongoing project in the lab.
6. HP scanner purchased for the centre.
7. Hand grip dynamometer, Pinch gauge, weighing machine and tool kit were purchased for the centre.
8. Polar heart rate monitor (04 in number) purchased for the centre.



PSYCHOLOGY LABORATORY

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 has always been headed by a Professor-in-Charge having Ph.D. degree in Psychology and practical experience in psychological testing including personality testing and aptitude testing. The present Coordinator is Dr. Shreekumar K. Nair, Professor in the OB & HRM area.

The Lab has... One... faculty member, ...Nil... Fellow students, ...Nil... Part time Research Associates, ... Nil... Full time Research Associates, ...Nil... Part time Research Assistants, ...Nil... Full time Research Assistants, ... Nil... Technical Staff and ...Nil...research funding received.

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

Physical Facilities available in the Centre:

Psychometric/psychological tests for assessment of intelligence, personality, and other psychological dimensions – 71 nos.

Apparatus/Materials for conducting experimental research in human cognition, learning and perception as well as for demonstrating certain psychological phenomena – 42 nos.

Centre Outcomes:

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.

Using the tests for PGP and MDP/UBP class-room teaching by the OB and HR faculty.

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.

Intellectual Property Created: Research papers of faculty and fellow students using the psychometric tests.



LIBRARY

About:

The National Institute of Industrial Engineering (NITIE) Library is a learning and knowledge resource center for the academic community of NITIE, since 1965. Keeping in view the increasing collection and service 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 entire area of the new library is centrally air-conditioned with proper lights, adequate seating capacity, secured Wi-fi connection and other fundamental amenities. These all have made the library a happening place and comfortable for a long study.

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

Collection:

The objective of NITIE library is to facilitate the creation of new knowledge through acquisition, organization, and dissemination of knowledge resources and providing value-added services. The total collection of the library is around 82000 which include Technical/ Reference Books, Bound Volumes of Journals, Light Reading Books (in Hindi, English & Marathi language) and Complimentary Books.

The Library collection as on 31st March 2018 is as under:

• Technical Books	: 57123
• Light Reading Books	: P8012
• Hindi Books	: H2886
• Marathi Books	: M855
• Complimentary + Free Books	: C1423
• Technical Journals	: 201 (86 Online; 58 print+Online; 57 Print)
• Semi Technical, Light Reading Journals & Magazines	: 34
• Bound Volumes	: J11682

Library also has a rich coverage of 19 newspapers. Along with Hindi & English newspaper, it also subscribes to regional language newspapers such as Marathi, Gujarati, Tamil, Telugu, Malayalam, and Bengali.

Other Subscriptions:

Apart from this NITIE library also subscribes to some important **databases** and **educational software**:

1. CMIE
 - 1.1 ProwessIQ
 - 1.2 Industry Outlook
 - 1.3 Economic Outlook
 - 1.4 States of India
2. EBSCO: Business Source Complete
3. Emerald Management Extra 310
4. Indiastat Database
5. EPWRF Time Series
6. Science Direct
 - 6.1 Business Management & Accounting



- 6.2 Decision Science
- 6.3 Environment Science
7. EBSCO Discovery Search
8. Grammarly Software: Writing Tool
9. Turnitin: Anti Plagiarism Software
10. Remote Xs facility

NITIE Library is one of the members of “eShodhSindhu Consortium for Higher Education Electronic Resources,” an initiative of the Ministry of Human Resource Development (MHRD) under Centrally Funded Technical Institutes (CFTI) category. Through **e-ShodhSindhu** Nitie Library get the following **e-resources**:

1. ASCE Journals Online
2. ASME Journals Online
3. Economic & Political Weekly
4. IEEE (ASPP+POP)
5. Institute for Studies in Industrial Development(ISID) Database
6. JGate plus (JCCC) – electronic gateway to global e-journal literature
7. JSTOR
8. Proquest (ABI/INFORM)
9. Oxford University Press
10. Springer Links 1700 Collection + Nature Journal
11. Web of Science Lease Access
12. World e-book library
13. South Asia Archive (SAA)

Library provides access to the all online resources through including Library catalogue, i.e. “OPAC” (Online Public Access Catalogue) 24 X 7 within the campus.

Library Management Software and Security System:

Recently NITIE Library has upgraded its library management software into “LIBSYS.10 – Web-centric Version”. For library security, the entire collection of NITIE Library is Barcode enabled along with the 3M security system.

Library Services:

Following are the Library services:

1. Book Lending
2. Reference Service
3. Reprography Service
4. Inter-library loan Service
5. Overdue alert Service
6. CD-Mirroring
7. HBS Case Studies
8. Textbook procurement & distribution to PGP students
9. The Library creates the Institute ID card using LIBSYS Software and distribution to PGP students, etc.

Library Timing:

The library runs as per below schedule:

- Monday to Friday - 9.00 am to 10.00 pm
- Saturday & Sunday - 11.00 am to 7.00 pm
- Library Holiday - Only on Institute’s Holidays.

Team Library:

Currently, the Library is managed by a team of 4 professional, 3 Library Clerks, 2 Administrative staff and 2 MTS. They collectively handle important library activities like Collection Development, Collection Maintenance, Circulation, Reference, and other Information Service.



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, Project Management and Manufacturing Management, VLFM Program 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 Primevera, Matlab 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.

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.

Wi-Fi connection has been provided in all the Hostels, Academic cum Library Building (ALB) so as to enable students to have the facility of internet in their rooms and around the Hostel.

The Institute has procured around 65 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/HP 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 1 Gbps from National Knowledge Network (NKN) for providing bandwidth to the Institute. The Institute is also equipped with a Firewall of M/s Checkpoint.

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, an in house developed Admission Portal for the admission of students to the various Programmes 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 Equipment, LCD Projectors, Operating Systems and Application Software, are primarily supported by Computer Centre.

RESEARCH CENTRES

1. Advanced Manufacturing Centre of Excellence Prof. Mukundan R
2. Mind 2 Market Prof. (Ms.) Karuna Jain
3. Centre for Supply Chain Management (CSCM) Prof. (Ms.) Sushmita Narayana
4. Centre for Technology and Innovation Management Prof. (Ms.) Ruchita Gupta
5. Centre for Ergonomics and Human Factors Engineering (CEHFE) Prof. Rauf Iqbal
6. Centre for Global Competitiveness of MSMEs (CGCM) Prof. Mainak Mazumdar
7. Centre for Environmental Studies Prof. Shankar Murthy
8. Centre for Case Development Prof. Nikhil Mehta
9. Centre for Knowledge Management Prof. M K Jha
10. NITIE Centre for Communication Studies (NCCS) Prof. (Ms.) Upasna A Agarwal



ADVANCED MANUFACTURING CENTRE OF EXCELLENCE (AMCE)

a) Introduction

Setup with DST support, AMCE is designed to trigger cutting edge research at fellow and PGP level, be a technology demonstrator for local SMEs, create avenues for internship and specific project based research contribution by having a combination of latest manufacturing systems.

List of Centre Core Members and their specialization (in alphabetical order)

Sr.No.	Faculty	Focus Area	Spectrum of Work
28.	Prof. Milind Akarte	Manufacturing Strategy, Manufacturing competitiveness	Additive Manufacturing, Product Data Management
29.	Prof. Mukundan R	Manufacturing Strategy, Innovation and Intellectual Property, Systems Thinking	Industrie 4.0 (Smart manufacturing) technology analysis, Value Engineering, System readiness measurement
30.	Prof. Ravindra Gokhale	Operations Management / Supply Chain Management	Collaborative Network Organization, Agriculture Supply Chain, Cold Supply Chain, 3PL
31.	Prof. Vivek Khanzode	Industrial Engineering / Manufacturing Management / Lean Manufacturing	Ergonomics, Manufacturing System Design, Lean, Modelling and Simulation
32.	Prof. Vivekanand Khanapuri	Project Management / Maintenance Management	Agriculture Supply Chain, Cold Supply Chain, Retail Supply Chain

Prof. Vivek Khanzode handed over charge of centre coordinator to Prof. Mukundan R from May 1, 2018.

The centre activities have been classified under research, human resources, facilities and outreach.

Research Related

Focus areas for research are: FMS, Additive Manufacturing, Lean Manufacturing and Industry 4.0.

A. Major projects and research

1. Impact of Additive Manufacturing on competitiveness
2. Modelling Performance Landscape in Digital Manufacturing Firms
3. Agent based modelling of lean systems

4. Performance modelling of Flexible manufacturing systems
5. Smart Manufacturing Factory Readiness assessment and architecture

B. Publications

A. Human Resources

1. One research assistant joined AMCE under project "Modelling Performances landscape in Digital Mfg. Firms" (Sponsored by AMCE).
2. Four TA students from PGDMM-04 are working on eVSM and AnyLogic simulation software in AMCE under the guidance of Prof. Khanzode.



3. One student from VIT Pune, Mumbai joined AMCE for two months project internship under the guidance of Prof. B. E. Narkhede.
4. Recruitment for 1 Year Centre RA position re-advertised and in process.

C. Facilities status

1. Software Available:
 - a. 1 user license of AnyLogic Simulation software.
 - b. 10 user license of eVSM Simulation software.
2. Hardware
 - a. Reverse Engineering - EI Scan Pro handheld 3D Scanner.
 - b. Ultimaker 3 extended Rapid Prototyping System (3D Printer).
 - c. FMS setup – details
 - d. AMC process under progress for FMS setup
3. Initiated Process for purchase of Industry 4.0 platform solution under AMCE.

D. Outreach:

1. Abhi Sansakaran / equivalent – NITIE fresher batch centre introduction.
2. Prof. Mukundan R and Prof. Vivek Khanzode, AMCE centre core faculty members participated in VDMA Industry 4.0 event at Pune, June 2018.
3. AMCE Flexible Manufacturing System (FMS) setup and 3D Printing technology - CubePro 3D Printer was demonstrated to the PG students of Saraswati College of Engineering, Kharghar, Mumbai.
4. Mr. Mahesh Deshpande and Ms. Ashwini Varade attended “Four days hands on training program on VERO EDGE CAM by Industrial Expert” organized by IFS academy, Pune.

5. Mr. Harshad Sonar, Mr. Vikash Sharma and Mr. Gaurav Verma visited Punjab Engineering College (PEC), Chandigarh to study activity centers in Additive Manufacturing (AM), Subtractive Manufacturing (SM) and Rapid Tooling (RT) domain to explore collaborative research opportunities.
6. The Flexible Manufacturing System (FMS) setup, 3D Printing and reverse engineering technology was demonstrated to the First-Year PG students of NITIE during National Productivity week 2018. Similarly, faculty and industry guests were also shown the demonstration of this technology.
7. AnyLogic Simulation software, eVSM training to fellow and PG students.
8. EinScan Pro handheld 3D Scanner technology demonstration of Reverse Engineering.
9. Ultimaker 3 extended Rapid Prototyping System (3D Printer) for technology demonstration of 3D Printing.
10. The Flexible Manufacturing System (FMS) setup and 3D Printing technology - CubePro 3D Printer was demonstrated to the PG students of Saraswati College of Engineering, Kharghar, Mumbai.
11. 3D printing of NITIE logo for various institute activities like National Productivity Week 2018 program, INCOSE-2017 program conducted by Centre for Supply Chain Management.
12. Mr. Mahesh Deshpande and Ms. Ashwini Varade attended “Four days hands on training program on VERO EDGE CAM by Industrial Expert” organized by IFS academy, Pune during 10-13 February 2018.
13. Mr. Harshad Sonar, Mr. Vikash Sharma and Mr. Gaurav Verma visited Punjab Engineering College (PEC), Chandigarh to study activity centers in Additive Manufacturing (AM), Subtractive Manufacturing (SM) and Rapid Tooling (RT) domain to explore collaborative research opportunities.



MIND TO MARKET

Centre Objectives:

To facilitate and encourage the student to conceive a product, design and develop and test it in real world to know first-hand how it fares in market. This centre aims to source ideas and spur the best innovators to turn their innovation into sustainable, growth-oriented start-ups.

About Centre:

M2M (Mind to Market) was established at NITIE during 2016-2017. This Centre will give an opportunity to the students and researchers for hands-on training and research on Internet of things which include different microcontrollers, sensor and actuators, Lego kits such as Wedo and EV3. Centre also has Dassault Systemes which provides 3D Experience Platform, Delmia, Simulia which will efficiently plan manage and optimize all industrial operation.

Faculty Profile:

Prof. (Ms.) Karuna Jain
Centre Co-ordinator
(Engineering Technology and
Project Management)



Prof. V. B. Khanapuri
(Project Management,
Maintenance Management,
BPR, IT)



Prof. Rauf Iqbal
(Ergonomics and Human
Factor Engineering)



Prof. Vivek V. Khanzode
(Operation management and
lean Manufacturing)



Prof. Sanjeev Verma
(Marketing Research and
Marketing Analytics)



Prof. Sumi Jha
(Organisational Behaviour and
HR Analytics)



Prof. R Mukundan
(Intellectual Property and
Innovation Management,
Manufacturing Strategy,
Industry 4.0)



Mr. Nikhil S Ghag
Research Assistant



Mr. Akshay Ruikar
Research Assistant

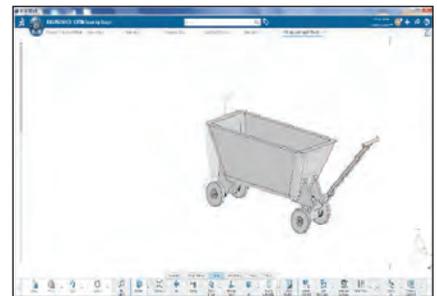
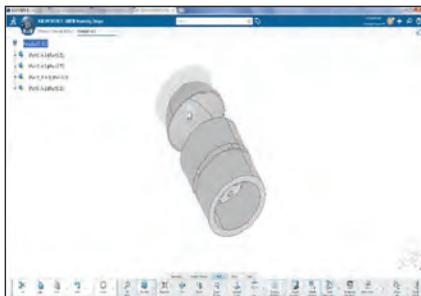


Research Domain:

- 1. Smart Factory
- 2. Rapid Prototyping
- 3. Internet of things
- 4. Industrial Robotics

Ongoing Projects:

- 1. Study on Workstation and work tools of Terracotta handicraft industry and design intervention.



- 2. Machine to Machine Connectivity, connectivity of pneumatic tightening tools and conveyer for better quality control.



Workshop Conducted:

1. Internet of things Workshop

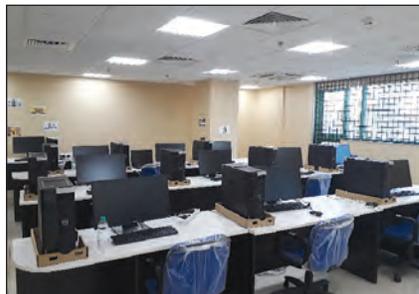
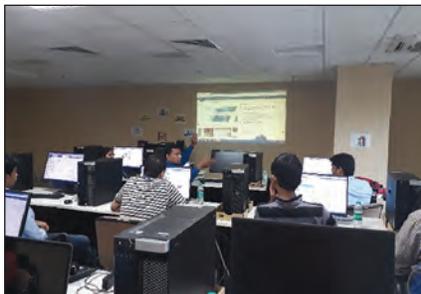
The two day workshop was conducted by Embedded Techno solution on 20th and 21st November 2017 for batch of 30 students. Python programming with raspberry pi, programming and work with UART protocol example Bluetooth, working with I2C protocol and GUI with Tkinter are some topics covered in workshop.



2. Workshop on Dassault 3D Experience.

Three day workshop on Dassault 3D experience platform was conducted by EDS Technology on 15th, 16th and 17th March on introduction to CATIA, INNOVIA and DELMIA. About 18 students participated in this workshop.

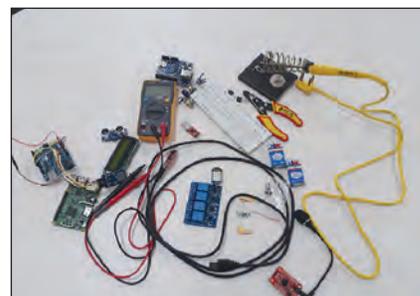
3. Infrastructure:



Workstation



Lego Kit



IOT Kits



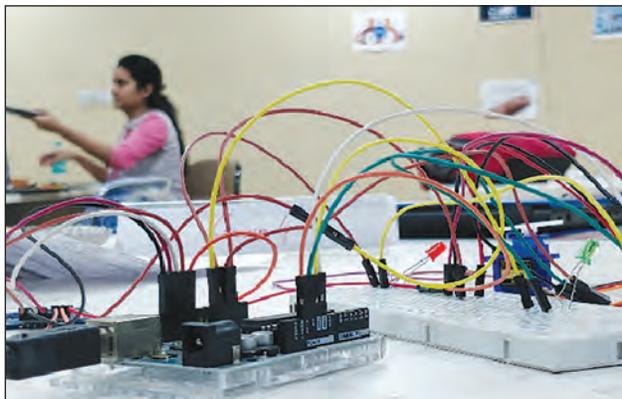
4. Hackathon

The hackathon on lab automation was conducted under Mind To Market centre on 24th February 9.30 PM to 25th February 3.00 AM, 2018. In all 25 students registered and 18 were present. Students were divided into 4 groups. Each group is given a problem statement.

Following are the names of the problem statement.

1. To design a security system which will allow authorised access to a door.
2. Lab automation for switching light and fans automatically.
3. Remotely operated home automation using a smartphone
4. Automatic water tank filling system

For exploring the topic each group was given 30 mins time for finding the application and component required. Each group leader explained their ideas about how they are going to proceed. Components were provided to all the groups and 4 hours' time was given.



Link for Lab Access Form

https://forms.office.com/Pages/ResponsePage.aspx?id=KCt9KcLvWUarjpf8NADBNolGELrC_5CgBXsgQdf9RNUMjBJRk1OUUMzRUY5NkdZVlpZUjdIU0wzVy4u

CENTRE FOR SUPPLY CHAIN MANAGEMENT

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

(Advertisement for two positions for Research Assistants has been given for 2017-18)

Amount of fund utilized: Rs. 7,151 /-

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: Half day workshop on Systems Engineering (in collaboration with CTIM) (Picture attached below)



Workshop on Systems Engineering (Joint Sponsors: CSCM & CTIM) with INCOSE (Aug 9, 2017)

CENTRE FOR TECHNOLOGY AND INNOVATION MANAGEMENT

The Centre for Technology and Innovation Management (CTIM) at NITIE 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”, and serves as a platform for collaborative research and development. It provides a platform for practical application of new ideas. CTIM through its research attempts to address – What is desired by the users? What is viable in the marketplace and? What is possible with the technology?



Activities of CTIM

Centre Objectives:

The CTIM focusses on the following objectives:

- To identify future technologies
- 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.

Centre Sector Focus:

- Telecom
- Defence
- Agriculture and Food Processing
- Healthcare

Core Committee:

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

The centre has 5 faculty members-

Prof. Karuna Jain

Prof. Mukundan

Prof. Shrish Sangle

Prof. Utpal Chattopadhyay

2 Full-time Research Assistants- **Ms Pratima Bhagat**

Centre R&D Activities:

The centre undertakes various research projects- both in collaboration with other centres and in collaboration with external agencies.

Institute Sponsored Projects:

New Research Projects	Ongoing and Completed Research Projects
<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. Patinformatics Based Study of Additive Manufacturing Technologies (Prof. Mukundan)

Innovation Project Initiated: Smart Helmet Designing

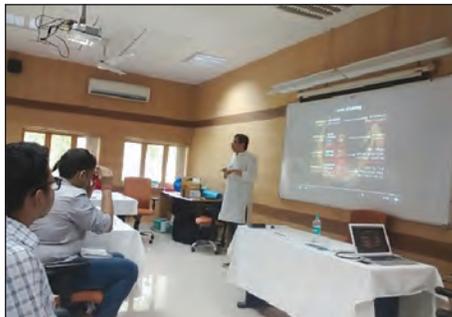


Conferences/workshops organised: 4 (Four)

- i. Workshop on “**Breakthrough thinking**” conducted by EREHWON Orbit shifting Innovation jointly organised by Centre for Technology and Innovation Management (CTIM) and Mind to Market (MMC), 23rd Feb 2018- 24th Feb 2018.

Key Learnings

- Habitual things & mental possibilities only restrict us from innovation.
- The focus should be on different frames instead of generating individual ideas for breakthrough innovation.
- Be a firestarter to take on extraordinary challenges and fight against obstacles.



ii. Management of Intellectual Property Rights and Strategy (MIPS) 2018

CTIM co-hosted **Management of Intellectual Property Rights and Strategy (MIPS) 2018** (on 31st Jan 2018 and 1st and 2nd Feb 2018) in collaboration with MHRD IPR Chair and IIT Bombay.



iii. MOTI (Pearls of Wisdom in Management of Technology and Innovation)-the Seminar Series on –

Interaction Design for Emergent User By Prof. Anirudha Joshi (25th Jan 2018): The session focused on the understanding of human thinking and mental modes. Interaction design is the design of the interaction between user and product. The goal of the interaction design is to create products that enable the user to achieve their objectives in the best way possible. The interaction between the user and the product often involves elements like motion, sound, space, and many more.

**iv. Workshop on “System Engineering”**

CTIM in collaboration with Centre for Supply Chain Management (CSCM), NITIE and International Council on Systems Engineering (INCOSE) conducted the workshop on System Engineering on 9 Aug 2017.

Fund Utilization (1st April 2017- 31st March 2018) – INR 35,13,415**Contribution:**

1. The development of the framework will lead to faster adoption and diffusion of mobile value-added services (MVAS) thus enhancing the productivity of farmers. This will enhance the agriculture productivity leading to the economic growth of the nation.
2. Presented paper in International Association for Management of Technology (IAMOT) conference – 22nd April – 26th April 2018 at Birmingham UK on “Adoption of Agricultural Mobile Value Added Services in Rural India” authored by Prof. Ruchita Gupta, Prof. Karuna Jain and Mr Durgesh Kumar Jaiswal.
3. Innovation projects contribute by enhancing the knowledge and skills of the students by applying creative and breakthrough thinking approach.
4. Designing and developing a helmet is an initial step contributing towards Make in India and making the society safe.
5. The launch of the newsletter on 1st Jan 2018 contributes by giving the visibility not only to the centre but to the whole institute.



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

Name of centre coordinator: Prof. Rauf Iqbal

The centre has 01 faculty member, 03 Fellow students, 02 Research Assistant,

- (1) Physical Facilities available in the centre:
Equipment for ergonomics research
- (2) Intellectual Property Created: --
- (3) No. Conferences/workshops organised: --

Centre R & D Activities:

Institute Sponsored Projects

New

Projects	Ongoing	Completed
■	02	01

Project:

1. Title: "Development of dynamic anthropometry database of Indian population for designing industrial work system".

Status of the project: Field visit has been conducted in the Foundry Industries at Kohlapur area.
2. Title: "Biomechanical analysis of different modes of load carriage".

Status of the project: Ongoing project in the lab
3. Title: "Study on workstation and work tools of Terracotta Handicraft Industry and design intervention".

Status of the Project: Ongoing Project in the lab

Centre Activities:

1. Debasis Haldar as a Research Assistant was joined to the centre on 26th April 2017.
2. Field visit was conducted in Kolhapur, Maharashtra on July 2017 and September 2017 and collected the anthropometric database on 45 foundry workers from 8 small to medium scale unit of foundry industry.
3. Mukesh Kr. Kamti as a Research Assistant for the centre of Ergonomics and Human Factor Engineering was joined on 17th Nov 2017.
4. Research paper on "Ergonomic Study on Foundry Workers" was presented by Debasis Haldar in the 15th International Conference on Humanizing Work and Work Environment (HWWE2017) on December 2017 held in Aligarh Muslim University, India.
5. Field visit was conducted in Bishnupur, West Bengal for the project on "Study on workstation and work tools of Terracotta Handicraft Industry and design intervention" on April 2018.
6. A Field visit in the Foundry Industries and Terracotta Industries was carried out on 26th May 2018 in Kohlapur, Maharashtra.



CENTRE FOR GLOBAL COMPETITIVENESS OF MSMEs (CGCM)

About the Centre: NITIE's Centre for Global Competitiveness of MSMEs (CGCM) is a research-cum-resource centre in India established in 2014 with to undertake cutting edge research on competitiveness of micro, small and medium enterprises (MSMEs) and generate resources for further study of the MSME units.

Center Objectives: The broad objective of the Centre is to create, accumulate and disseminate knowledge on diverse fields of competitiveness for enhancing the economic competitiveness of Indian MSMEs.

The Center is headed by the Center Coordinator Prof. Mainak Mazumdar and has five faculty members from a diverse discipline like Economics, Finance, Project Management, Industrial Engineering and others, two fellow students, two part-time Research Assistant and two full-time Research Assistant.

Center Activities completed during 2017-18.

Resources Accumulated

The Centre subscribed and procured the following electronic databases for the use of NITIE Faculty & students:

- *World Competitiveness Yearbook (WCY) online, IMD, Switzerland*
- *Annual Survey of Industries and NSSO data base on Informal enterprises*

Compiled data on MSME Cluster at District level.

Project Activities

A) Institute Sponsored Project: New

Cluster Study on the following Sectors: Textile, Leather, Food Processing and Engineering.

B) External Agency Sponsored Project: Ongoing

Growth and Regional Disparity with specific focus on MSME

Center Outcome:

Report on 'Performance of MSME clusters: State-level Analysis.'

Outreach Activities:

Number of Workshop organised: one

MSMEs at Cross Road: An Analysis of the Impact of GST, New Financial Schemes and Change in Definition. Date: 10th March, Venue NITIE Mumbai

Traning Program: Training program on UdyanMitra the online portal of SIDBI for accessing loan for start-up. The number of participants for the workshop was around 40 participants.

Talk on Impact of GST on Indian Industry and Economy by Dr. Surajit Das JNU on July 28th, 2017.



CENTRE FOR ENVIRONMENTAL STUDIES

The Centre for Environmental Studies (CES) is working on the following research objectives Ecosystem management (state level) and Business and sustainability development (industrial sector level).

SN	Research Topic	Summary of project working on	Status
1	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.	Complete
2	Sustainable Water Treatment Technologies (C-SWAT)	Worked on proposal of International Center for Sustainable Water Treatment Technologies (C-SWAT)	Completed and Sent
		Worked on metal oxide Nano composite synthesis for removal of heterocyclic from water	Completed
3	CDM implementation towards reduction of fugitive emissions	Worked on Comments given by reviewers and sent again to Journal Editor	Paper under review in Environment Development and Sustainability
4	Life cycle assessment	Working on literature review on LCA and rice crop production	In progress
5	Carbon foot prints	Working on literature review on carbon foot print	In progress
6	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.	In progress
7	Half day workshop on GCCS	Assisted in conducting (Co-ordination with various Dept.) a half day workshop on Global Conference on CyberSpace at NITIE	Completed

**Fund Allocation:**

Heads	Amount (Rs. in Lakhs)			Total (Rs. In Lakhs)
	Phase III			
	2015-16	2016-17	2017-18	
1. Nonrecurring Expenses				
a) Software, upgradation	20	15	10	45
b) Hardware, maintenance and repair	10	1	1	12
c) Equipment, maintenance and repair	30	40	25	95
d) Furniture, Fixtures, Interiors and Air-conditioning	15	1	1	17
Total Non Recurring	75	57	37	169
2. Recurring Expenses				
a) Human Resources	28.8	30.36	31.92	91.08
b) Development of newer technologies, models	13	13	13	39
c) Consumables	15	15	15	45
d) Contingency	5	5	5	15
e) Traveling	18	18	18	54
f) International Travel	5	5	5	15
g) Conferences, workshops, seminars	6	6	6	18
h) Training (50, 2-3 days, UBP model)	24	24	24	72
Total recurring expenses	114.8	116.36	117.92	349.08
Total Expenses In Lakhs (Five Crores Eighteen Lakhs Etaht Thousand Only)	518.08			

Since July 2017 the activities of CES has slowed down as the tenure ends and extension is awaited. There are no staff working under CES, hence some information might be repetition.



CASE DEVELOPMENT CENTRE REPORT

The Centre for Case Development was established in 2014 with the objective of converting knowledge and experience gathered by faculty/individual's consulting, training and other outreach activities into case studies.

The centre is presently headed by the Centre Co-ordinator Prof. Nikhil K Mehta. He has taken charge on 23rd February 2018.

The centre has 5 faculty members and a Full-time Research Assistant.

Research Funding Received: Rs 55.1 lakh .

Resources at centre

(1) Physical Facilities available in the centre:

- a. A cubicle given for Research Assistant in Fellow Lab No. 2
- b. Stationary items

(2) No. of Conferences/Workshops organised (2017-18): 01

Growth of area and activities undertaken during the year

1 Case writing workshop in the month of November, 2017

Event Details

In order to support faculty members and research fellows and to increase their awareness about case study writing, the 2-day workshop was conducted on Nov 17 & 18, 2017. Prof. Jahar Saha & Prof. A. K.

Jain from IIM Ahmedabad were invited to conduct the same. Workshop included 25 participants comprising of faculty members, fellow students and research assistant. Director of NITIE, Prof. (Ms.) Karuna Jain inaugurated this workshop.

Topics covered were-

1. Understanding the case method(Kanpur confectionaries case)
2. Debriefing on the Case Discussion, reflecting on the learning from it, and making an assessment on its implications for Case Writing
3. Steps in Case Writing – An Overview (Presentation cum Discussion)
4. Generating and Finalizing Case Lead (Visit Summary on Internationalizing Tega Conveyor Products Case)
5. Intent Note, Case Writing Proposal, and Data Collection
6. Preparing the Case Draft (Presentation cum Discussion)
7. Finalizing and Registering a Case and Preparing Teaching Note (TN) for the case (Presentation cum Discussion)
8. Preparing the Final Draft and an Outlining a TN (Geta Corporation Case)
9. Sharing the Finalized Draft and Outline of TN
10. Reflections on Learning Case Writing and Agenda for Future



❖ Number of Research Activities /Reports in the domain concerned:

- Call for Writing Cases to Faculty
- Case Writing Workshop

❖ External Grant Received (No and Amount) from both Govt Agencies and Industry: NIL

❖ Fund Utilisation: Rs 414726.00



CENTRE FOR KNOWLEDGE MANAGEMENT

The Knowledge Management Centre in NITIE has conducted research in knowledge management, which is driven by very practical and very common problems. Centre has conceptually designed a KM system for some functional area of NITIE. Centre has published few research papers in the area of Adoption of Cloud computing by SME.

Research status in CKM is as follows:

- a) Designing and development of institute knowledge management system.
- b) Modules for system development.
 - **Designing and development of institute management system**

Objective to establish: “Ensure the right knowledge is available to the right people at the right time”

Knowledge Management System (KMS)

A KMS is a socio-technical system and set of subsystems and processes with the common purpose of managing knowledge processes. People and technology are necessary components of the system and it should be part of the organisation’s integrated management system.

A KMS therefore must integrate a set of KM subsystems and processes so that they operate collectively as a system. Systems have a structure, behavior, subsystems that are related to each other and processes that transform inputs into outputs. Inter-connectivity between the subsystems and processes is provided by organisational structures, people’s behavioral relationships and tools.

In addition, management systems have a purpose and include monitoring and control subsystems.

People have a role in the management of knowledge.

Operations such as the creation and sharing of knowledge should be operated by people with the appropriate behaviours governed by skills and attitude. Technology is another valuable part of a KMS as it includes technology based tools which help people store, share and retrieve information.

Key Design Criteria for a KMS

Criterion 1: Drivers and vision for KM

- KM is cost-benefit driven;
- The degree of KM activity is determined by a demonstrable return on investment;
- KM is used to increase performance of the whole organisation in critical and key operational areas;
- KM strategy and vision is developed through engagement with the business, championed by a steering group with a broad representation and decisions endorsed by the Executive.

Criterion 2: Initiative, control and resourcing

- Initiative, control and resourcing are dealt with in a unified way and through Communities of Practice (CoP);
- There is central resourcing for a comprehensive KM infrastructure, accompanied by local funding for additional services and functionalities;
- KM activities are coordinated by a central resource, so that a range of common tools and activities go towards meeting the requirements of both internal and external stakeholders;
- Beneficial KM activities are built into commercial contracts, where it is necessary;
- KM plans are coordinated and aligned;



- Funding levels are justified on maximising the return on investment over long time periods.

Criterion 3: KM organisational design/KM roles & responsibilities

- There are informed, well-researched locally tailored initiatives, plus corporate programmes and standards;
- A central resource of specialized KM coordinators is drawn, on secondment, from different parts of the organisation, with experience of front-line operations. The size of this resource will depend upon the size and complexity of the organisation;
- KM processes are integrated into normal business processes, where level of effort is justified by the benefits to organisational goals. KM responsibilities and expectations are formalised at all levels in the organisation.

Criterion 4: Connecting people, sharing, codifying and storing knowledge & information

- Codification activities are coordinated and those codifying knowledge are qualified to do so;
- Everybody contributes, however content is coordinated and quality assured by role-based CoP and groups;
- KM is based on a contextual analysis and strikes a balance between codification and diffusion of knowledge across the organisation's people; there is a specific connect/collect mix for each knowledge area.

Criterion 5: The focus for KM efforts and time horizons

- KM priority timeframes concentrate on maintaining a corporate memory consistent with the enterprise;
- Analysis of the health of knowledge areas

identifies a priority for all knowledge areas and assigns resources and actions according to need and benefit;

- Long-term knowledge needs are owned centrally and short-term knowledge needs are owned locally. and both are financed similarly to ensure long-term knowledge retention strategies are maintained;
- Ability to manage short, medium and long-term KM activities concurrently, using different tools and processes from a broad range of tools as appropriate to specific requirements.

Criterion 6: Dealing with the organizational age profile and time to competence

- Regular knowledge audits are used to identify the need for, recruitment, training, codification, mentoring and learning to maintain knowledge health at planned levels.

Criterion 7: Dealing with dependency on external knowledge

- The organisation is receptive to external sources of knowledge;
- Analysis reveals, through knowledge area health checks, where it is optimal to include wider corporate/national memory, partnerships with external suppliers and internal expertise.

Criterion 8: Experts and Communities of Practice (CoPs)

- Organized subject-based CoPs, moderated by experts, are promoted;
- CoPs are widely distributed and clustered around experts and those with an interest in each knowledge area;
- Where critical dependencies on knowledge exist, these are identified and CoPs are created, supported by management to ensure continuity and mitigate the impact of individual knowledge loss.



Criterion 9: Corporate memory

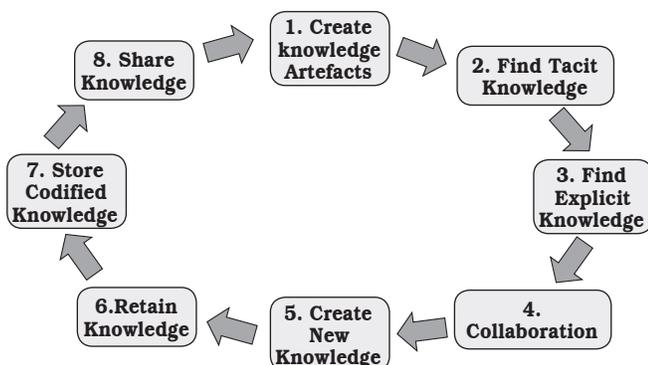
- Contextualized and agreed past and future memory needs are applied to knowledge areas;
- The corporate memory, consists of people, processes and technologies to store knowledge, and is designed to manage a range of different formats;
- The corporate memory combines documents, media and people and ensures their validity;
- Intelligent search capabilities give wide access to useful corporate memory documents.

Criterion 10: Motivation and change

- Successful KM implementation relies on each and every individual understanding the benefits; a mandate by senior management may be necessary to expedite the changes at staff level required to make KM work;
- KM behaviours are part of a central competency framework, which can become 'the way we work here' as espoused by managers that lead by example;
- KM behaviours are encouraged through user friendly processes, systems and tools that make individuals' work less frustrating, more productive and more satisfying

KMS Best Practice Model

KMS best practice model includes eight component parts that represent knowledge operations.



Knowledge Management System Operations

Knowledge Management System (KMS) best practice model that are associated with knowledge operations in an organization. The knowledge operations are presented below:

- Share knowledge;
- Store codified knowledge;
- Create knowledge artefacts;
- Find tacit knowledge;
- Find explicit knowledge;
- Collaborate;
- Create new knowledge;
- Retain knowledge.

Create knowledge artefacts

- Knowledge artefacts are the result of knowledge capture with the purpose of instructing or educating staff. These may include instruction materials, lessons learned documents, job aids, guidelines, models and simulations.

Find tacit knowledge

- Tacit knowledge is knowledge that has not been captured in documents or other media and is therefore held by individuals. Tacit knowledge is closely associated with the experience people have developed over time. Finding tacit knowledge is about finding the people that hold experience.

Find explicit knowledge

- This subsystem is required to find documented, explicit knowledge to ensure that staff have the right knowledge assets at the right time. The subsystem realises the finding of documented, explicit internal and external knowledge by either searching (by using a search engine or asking a knowledgeable person) or browsing (by interrogating a catalogue or following a guided dialogue on a website or database).



Searching and browsing are optimised to the seekers' needs and intentions, reducing the time spent in finding relevant knowledge.

Collaborate

- The purpose of collaboration is to achieve results through group working towards a common goal irrespective of geographic location, organisational boundaries or position in an organisation. Common project or management system frameworks, electronic co-ordination, communication and cooperation tools may be deployed. Cultural alignment across organisations may necessitate development of a human performance programme.

Create new knowledge

- New knowledge is created to innovate: that is, to introduce novel, alternative and improved approaches to delivering an organisation's mission.

Retain knowledge

- The purpose of this subsystem is to ensure that knowledge is retained for future organisational demands.

Share knowledge

- In general, sharing is the process of exchanging knowledge between individuals or organisations. Particularly relevant for KM in and across the NDA estate is the sharing of knowledge between members of Communities of Practice (CoPs).

Store explicit knowledge

- Store explicit knowledge is about knowledge that has been captured and stored for later re-use.

Knowledge Management System (KMS) Enablers

KMS best practice model requires a number of enablers to function. For each of the enablers,

NDA provides strategic principles for their implementation. They are listed below:

Leadership and governance

Excellent leaders develop and facilitate the achievement of a knowledge management and learning culture via their behaviours. They ensure that the organisational values and systems required for sustainable success take KM into account and personally draw upon the knowledge resources available to aid their decision making, inspiring others to follow.

KM is established as part of the business management system and is governed through stated roles, accountabilities and decision making procedures.

In the absence of leadership and governance, desired KM behaviours will not permeate and not become the

Awareness & training & competence

Awareness raising activities ensure that personnel understand the rationale and have access to the available resources for managing knowledge. Regular training activities provide those responsible for KM with the required competencies and skills to manage knowledge. Without awareness, personnel will not understand the business importance of knowledge and its effective management. Equally, they will not be able to call upon the resources available.

KM requires specific competencies and skills to be held by those responsible. Without the right competencies and skills, the management of knowledge by staff will be inefficient and ineffective norm.

ICT infrastructure

All organisation's will have an ICT infrastructure, including items such as shared drives, intranets,

collaboration spaces, document management systems, e-mail and databases. Existing ICT can be utilised to enhance KM.

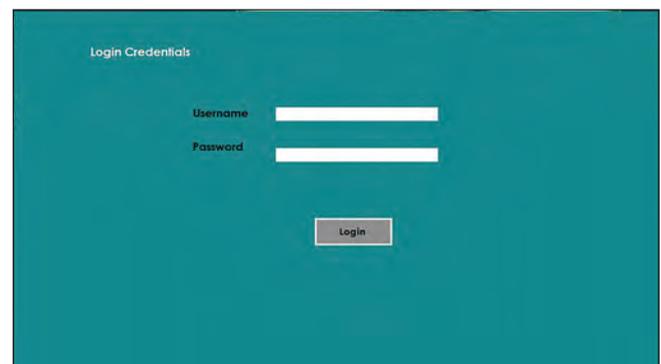
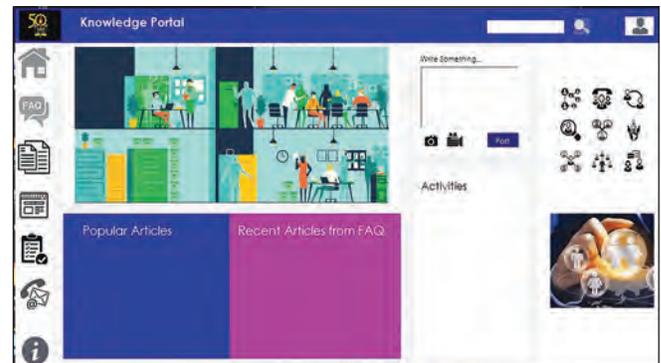
Without ICT deployed for KM, the organisation will not have the means to connect to subject matter experts and captured knowledge, lessons learned and other content (including best practices, standards and research reports). It also would hamper peer-to-peer collaboration, sharing in projects and subject matter networks.

Key implementation features of the best practice model

When operational, the best practice model would see the following features in reality:

- Expectations and competences
- Decisions
- Prioritized plan
- Resources
- Community
- Best practice library
- Lessons learned library
- Explicit knowledge library
- Single search: Processes
- Expertise finder: Processes
- Capture tools
- Validation tools
- Create new knowledge tools
- Learn before, during and after tools
- Proficiency tools
- Collaboration tools
- Train
- Guide
- Teams
- Tools

Few Snapshots of Knowledge Portal



Modules Identification based on institute

Modules can be categorized as:

Module 1: Infrastructure

General	- Establishment - Build-up area of college - No. of campus
Recognition status	- Approval body - Accredited body



Buildings	<ul style="list-style-type: none"> - Academic building - Library <ul style="list-style-type: none"> • Books <ul style="list-style-type: none"> - Hardcopy - Online • Business Magazines (hardcopy/online) <ul style="list-style-type: none"> - Indian - International • Journals(hardcopy/online) <ul style="list-style-type: none"> - Indian - International • Periodicals • Databases - Hostels <ul style="list-style-type: none"> • Separate hostels for boys and girls • No. of rooms of girls • No. of rooms of boys • Facilities in hostel <ul style="list-style-type: none"> - Canteen - ATM - Bank - General Store - Research centers building - Residential buildings - Administration building - Medical Dispensary <ul style="list-style-type: none"> • Doctor on call • Resident doctor • Tie-up with hospital in emergency
Recreational facilities	<ul style="list-style-type: none"> - Indoor - Outdoor

Module 2: IT infrastructure

Computer Centre	<ul style="list-style-type: none"> - IT help - Server room - Computer hardware - Internet connection facility
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Computer labs	
Learning facilities	<ul style="list-style-type: none"> - Online library - Wi-Fi campus/seminar halls

Module 3: Academics

Programs	<ul style="list-style-type: none"> - Programs/courses offered - Duration of course - Sanctioned Intake - No. of students enrolled for various programs(program-wise)Fee structure of program
Admission	<ul style="list-style-type: none"> - Sanctioned Intake(year-wise) - No. of seats(program wise) - Student Intake - No. of application received - Criteria for screening at the time of entrance in institute - Minimum score considered for admission through entrance criteria - CAT cut-off percentile - Other exams considered for admission - Academic streams of students in graduation - Parameters tests for selection process
Student	<ul style="list-style-type: none"> - Ratio of computer to student - Students with work experience - No. of students in each program - No. of female students - No. of male students - No. of international students - Class size - Students within state - Students outside state - Economically backward - Socially challenged - Students with scholarship from government - Sponsored students(from private bodies)



Faculty	<ul style="list-style-type: none"> - No. of faculties for each program - Type of association of faculty - Personal details of faculty - Faculty with industrial experience - Faculty with academic experience - Teaching experience in foreign B-school - Faculty-student ratio - Tools/instruments for teaching - Training programs - Pedagogy adopted
Curriculum	
PhD students	<ul style="list-style-type: none"> - Students pursuing PhD - Full-time students - Part-time students - Graduated PhD students - Self-sponsored students
Foreign Interaction	<ul style="list-style-type: none"> - Students spending term abroad - Students outside country
Student Exchange	<ul style="list-style-type: none"> - Summer Internship - Student exchange program(year-wise) - Tie-ups with B-schools for student exchange programs

Module 4: SRIC/ Research

Best practices	<ul style="list-style-type: none"> - Institute owned journal & magazines - Visitors from industry/ government - Centers of excellence - Faculty exchange programs - Industry/company specific programs by institute <ul style="list-style-type: none"> • Year-wise • Participants
Training programs	<ul style="list-style-type: none"> - Management Development programs <ul style="list-style-type: none"> • Area • Revenue • participants - Unit-based programs(year-wise)

Consultancy	<ul style="list-style-type: none"> - Area - Theme - Sector - Faculty - Client organization - Revenue from consultancy
Sponsored projects	<ul style="list-style-type: none"> - Funding agencies - Amount received from funding agencies
Executive Development Programs	<ul style="list-style-type: none"> - Participants - Annual earning

Module 5: Faculty Development

Faculty Development Expenditure
Faculty development programs conducted
Tie-ups with in B-schools for FDP
Research grants & expenditure for faculty
Seminars and conferences attended

Module 6: Student development

Sessions taken by industry experts
Industry-oriented/ Live projects
Need base Scholarship from institute
Seminar/workshops organized for student

Module 7: Faculty Intellectual Capital

Books publication
Journal paper
Conferences paper
Articles published by faculty
Membership of government or other propertied bodies
Member of editorial board
Peer expert
Awards from government or private bodies
Faculty on company board and government bodies

**Module 8: Events & Activities**

National level events by institute	
Interaction with Distinguished speakers	- Name - Date of interaction - Designation
Entrepreneurship cell	- Students associated with cell
Student Clubs	- Functional clubs - Events organized by clubs
Social Initiatives by student	

Module 9: International Outreach

Over-seas learning program by institute
International visitors
International linkages
Collaborative projects

Module 10: Financial Utilization

Expenditure on academic activities and resources(annual capital)	- Library - Engineering workshops
Expenditure on land and building	
Operational expenditure	- Salaries - Maintenance of academic infrastructure - Seminar/workshop/conferences

Module 11: Administrative Services

Procedures and formats of	- Forms - Reports - Other documents
Rules and regulation	
Policies for training and promotion	
Schedules of meeting	
Circulation of documents	
Notices	

Module 12: Placements

Summer Internships	- No. of Students - Company - Students paid during summer interships
Placement Session	
Student Placed	- Percentage of student placed • India • Aboard - Details of student - Sectors
Salary Offerings	
Job offerings	- International job offers - Preplacement offers
Recruiters	- Companies visited(year-wise) - Sector or area of company

Module 13: Alumni

Total Alumni	- Registered alumni - National chapter registered - International chapter registered
Notable Alumni	
Alumni interactions	
Alumni event	- Alumni meet - Chapter meet - Published alumni magazines

Module 14: Awards & Achievements

Awards won by student	- National competitions - International Competition - Prizes won in inter B-school competition
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NITIE CENTRE FOR COMMUNICATION STUDIES (NCCS)

NCCS ACTIVITIES

Guest lecture on the topic of Business Etiquette:

On November 6th, 2017 Personality Development Committee organized a guest lecture on the topic of Business Etiquette. Shital Kakkar Mehra, India's leading business etiquette, and international protocol consultant conducted this talk.



Speaking to NITIE students who are busily preparing for placement interviews, Shital drew from her vast experience of training several hundred CXO's in soft skills. The session focused on practical ways for creating that great first impression in interviews and then for carrying it through to the end.



The lecture, laced with humor and well-crafted examples, was an absolute delight for the audience.

Session by Kraftshala on Internship Hacks

On January 24th 2018, Personality Development Committee organized a session by Kraftshala on Internship Hacks, 5 Internship break out moments where you can wow your recruiter. Mr. Varun Satia, the founder of Kraftshala, India's premier business training platform conducted this talk. Speaking to NITIE students who are preparing for their upcoming internships, Varun talked about the key moments to seize in order to convert the internship to a PPO.



Event-What If:

What-If event was launched on 15th January 2018. It is a 3 Round event that evaluates writing skills(Round 1), spoken communication(Round 2) and presentation skills(Round 3) on topics that are hypothetical and make an interesting topic for conversation. It is open to students across all batches and enables them to fine tune their skills ahead of their all important corporate interaction. The last round will be taking place on 31st January, 2018 at 5 PM.



What-If Round 2 – Group Discussion

Quiz competition, Enquesta:

Personality Development Committee launched its very own quiz competition, *Enquesta*, on 27th November, 2017. The quiz is aimed to keep the students on their toes with the current events around as well as give them an opportunity to test their memory with industry trivia.

Starting with a one round online event, Enquesta has grown to be a finer event with online winners getting a chance to go head to with the best in an offline round of trivia. This came to be named as Enquest 2.0. Enquesta 2.0 was held across two rounds on 17th January and 23rd January. It was a great success in terms of participation and feedback.

Winners of Enquesta 2.0



Runners-up Enquesta 2.0

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 2017. 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.



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 Toast masters club.



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.

PRESENTATION SKILLS WORKSHOP:

NITIE Centre for 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 the individual presentation. The workshop was conducted by Ms Riddhi Mehta at the NITIE campus. 17 students, across programs, attended the workshop.



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.



CORPORATE GROOMING WORKSHOP

A four-hour workshop on Corporate Grooming was organized by NITIE Centre for Communication Studies on 25th February 2017. Its sessions was conducted by a 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



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

"WHAT IF"

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.

PICTURE PERCEPTION

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.



Research Activities:

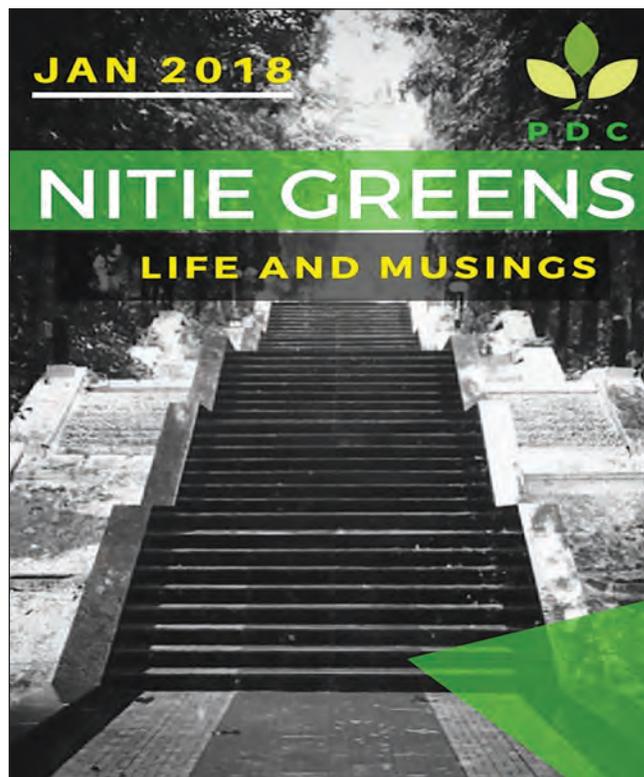
- A paper titled “Communication Styles of Millennials: Trends and Relevance” is communicated to a journal
- The centre is developing Case-lets along with their teaching notes. These will be useful for teaching communication topics.

TATVA

Personality Development Committee in this period also launched its magazine Tatva: Life and Musings. Tatva: Life and Musings is a monthly newsletter envisaged by the Personality Development Committee that will be emailed to the entire NITIE fraternity. It is intended to serve as a medium that will bring together all the batches of NITIE including IM, IE, ISEM, PM, MM, VLFM, the fellows and hopefully even the faculty of NITIE. It will contain articles on various topics such as articles by our alumni about their experiences, faculty interviews and articles about their subject matter, experiences of PPO holders as well as other creative content

such as prose, poetry, photographs, sketches etc sourced from the students of the different batches of NITIE. The newsletter will also contain articles by the placement committee about the feedback they received from the companies that visited our campus for the placement processes so that the students can better understand where they went wrong and what they need to improve. The committees and forums that conduct events such as Avartan, Lakshya etc can also write about their experiences in organising their events so that future batches that will be organising these events can understand the challenges in conducting such events.

The magazine was officially launched by the Director of NITIE on the special occasion of Republic Day, 2018.



OUTREACH: INSTITUTE - INDUSTRY COLLABORATION



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**OUTREACH: INSTITUTE – INDUSTRY COLLABORATION****MANAGEMENT DEVELOPMENT PROGRAMME (MDP)****MANAGEMENT DEVELOPMENT PROGRAMMES CONDUCTED DURING 04/01/2017 TO 03/31/2018**

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	MB062_17	PERSONALITY DEVELOPMENT FOR MA NAGERS	3	08/16/2017	PROF. D.K. SRIVASTAVA	1	11	12	12
2	MB069_17	EXCELLENCE IN COMMUNICATION	3	10/30/2017	PROF. NIKHIL K. MEHTA	1	5	6	6
3	MB070_17	LEADERSHIP AND TEAM BUILDING	3	11/06/2017	PROF. D. K. SRIVASTAVA	10	0	10	10
4	MB063_17	FDP ON WORKING WITH SPASS AND AMOS	3	08/28/2017	PROF. SUMI JHA	0	5	5	5
5	MB061_17	FINANCE FOR NON-FINANCE EXECUTIVES	3	01/18/2018	PROF. VIPUL KUMAR SINGH PROF. AJAYA KUMAR PANDA	1	3	4	4
6	MB004_17	MANAGERIAL DECISION MAKING FOR TECHNICAL PERSONNEL	3	08/28/2017	PROF. L. GANAPATHY	1	7	8	8
7	MB024_17	PROJECT PLANNING AND CONTROL	3	09/25/2017	PROF. V.B. KHANAPURI / PROF. KANCHAN JOSHI	8	5	13	13

No. of courses conducted	:	7
No. of courses postponed	:	0
No. of courses cancelled	:	80
No. of participants from public sector	:	22
No. of participants from private sector	:	36
No. of total participants	:	58
No. of participant weeks	:	58

**UNIT BASED PROGRAMMES (UBP)**

Sr. No.	Name of Organisaition	Course Title	Period	Days	Course Leader	No. of Parti.
1.	M/s. HPCL	Project Management - Module -I	25-28 June 2017	4	Prof. (Ms.) Karuna Jain Prof. V. B. Khanapuri	25
	M/s. HPCL	Project Management - Module -II	27-30 July 2017	4		
	M/s. HPCL	Project Management - Module -III	17-20 August 2017	4		
	M/s. HPCL	Project Management - Module -IV	14-17 Sept 2017	4		
	M/s. HPCL	Project Management - Module -V	26-29 Oct 2017	4		
	M/s. HPCL	Project Management - Module -VI	15-18 Nov 2017	4		
	M/s. HPCL	Project Management - Module -VII	14-17 Dec 2017	4		
	M/s. HPCL	Project Management - Module -VIII	18-21 Jan 2018	4		
	M/s. HPCL	Project Management - Module -IX	15-18 Feb 2018	4		
	M/s. HPCL	Project Management - Module -X	15-18 March 2018	4		
	M/s. HPCL	Project Management - Module -XI	19-22 Apr 2018	4		
	M/s. HPCL	Project Management - Module -XII	22-25 May 2018	4		
2.	M/s. National Academy of Deffence Production, Nagpur	Plant Maintenance Management (reliability Centered Maintenance (RCM) & Condition Monitoring)	3-5 Oct 2017	3	Prof. V. B. Khanapuri Prof. Ravindra Gokhale	29
3.	M/s. Indian Oil Corporation Limited	Risk Analysis, Hazop Study & DMP	20 -22 Nov 2017	3	Prof. Rauf Iqbal Prof. Seema Unnikrishnan	20



Sr. No.	Name of Organisaition	Course Title	Period	Days	Course Leader	No. of Parti.
4.	M/s. Maharashtra State Industries - Cluster Development Programme	Industrial Engineering and Management Programme	23-25 Nov 2017	3	Prof. T. Prasad Prof. Satish Kumar	25
5.	M/s. Indian Oil Corporation Limited	Risk Analysis, Hazop Study & DMP	18 -20 Dec 2017	3	Prof. Rauf Iqbal Prof. Shankar Murthy	32
6.	M/s. Hindustan Petroleum Corporation Limited, Mumbai	Risk Analysis, Hazop Study, DMP & BBS	27-29 Dec 2017	3	Prof. Shankar Murthy Prof. Rauf Iqbal	19
7.	M/s. Hindustan Petroleum Corporation Limited, Mumbai	Risk Analysis, Hazop Study, DMP & BBS	08-10 Jan 2018	3	Prof. Shankar Murthy Prof. Rauf Iqbal	10
8.	M/s. Steel Authority of India Limited, Ranchi	PTS on "Safety Management"	22-24 Feb 2018	3	Prof. Rauf Iqbal Prof. Kanchan Joshi	25
9.	M/s. Bharat Petroleum Corporation Limited, Mumbai	Quantitative Risk Analysis (QRA) and Hazop	26-28 Feb 2018	3	Prof. Shankar Murthy Prof. Hema Diwan	20
10.	M/s. Indian Rare Earths Limited, Mumbai	Managerial Skills for Technical Personnel	05 - 10 March 2018	6	Prof. D. K. Srivastava Prof. Utpal Chattopadhyay	25
11.	M/s. Bridge & Roof Co. (I) Ltd. Kolkata	Managerial Effectiveness / Decision Making	19-23 March 2018	5	Prof. D. K. Srivastava Prof. Nikhil K. Mehta	45
				83.00		275.00

**CONSULTANCY SERVICES****COMPLETED NITIE CONSULTANCY ASSIGNMENT (2017 – 2018)**

Sl. No	Name of the Organization	Area
1.	M/s. Hindustan Unilever Limited, Mumbai	“Pilot Plant Efficiency Study”
2.	M/s. A. Infrastructure Limited, New Delhi	Manpower Assessment
3.	M/s. GlaxoSmithKline Pharmaceuticals Limited	Manpower Assessment Study
4.	M/s. P. D. Hinduja Hospital & Medical Research Centre, Mumbai	Industrial Engineering Study
5.	M/s. TVS Motor Company Tamil Nadu	Operations Research Model to Maximize overall billing of Vehicles – Batch I
		Operations Research Model to Maximize overall billing of Vehicles – Batch II
6.	M/s. TVS Motor Company Tamil Nadu	Industrial Workplace Improvement Study
7.	M/s. TVS Motor Company Tamil Nadu	Methods Improvements and work Measurement

CONSULTANCY IN PROGRESS

Year 2018-19

Sl.No.	Name of the Organisation	Area
1.	M/s. Maithon Power Limited, Maithon, Dhanbad, Jharkhand	Manpower Assessment and Evaluation
2	M/s. Jawaharlal Nehru Port, Trust, Mumbai	Application Performance Audit for the RFID based gate Automation. System.
3	M/s. TVS Motor Company Hosur	Industrial Workplace Improvement Study Assignment – 3
4	M/s. TVS Motor Company, Karnataka SRIC/Cons/ 17/2017-18	Operations Research Project Module
5	M/s. RMC Readymix (India) Mumbai, Division of M/s. Prism Cement Ltd. SRIC/Cons/19/2017-18	“Productivity / Time Motion Study”



Sl.No.	Name of the Organisation	Area
6	M/s. H & R Johnson, Pen, Division of M/s. Prism Cement Ltd. SRIC/Cons/23/2017-18	Manpower Study
7	M/s. Prism Cement Ltd. SRIC/Cons/24/2017-18	Manpower Study
8	M/s. TVS Motor Company, Tamil Nadu SRIC/Cons/ 02/2018-19	Operations Research Module
09.	M/s. Parry Agro Industries Limited, SRIC/Cons/01/2018-19	Ergonomics Study
10.	M/s. Coromandel International Limited, Bharuch Gujarat	Manpower Study



Memorandum of Understanding (MoUs)



ACADEMIC MOUs

- Veer mat a Jijabai Technological Institute -Mumbai**
- PEC University of Technology - Mumbai**
- College of Engineering - Pune**
- Indian Institute of Technology Delhi**
- Indian Institute of Technology Bombay**
- National Institute of Food Technology Entrepreneurship and Management**
- Tata Institute of Social Sciences - Mumbai**
- Society for Human Resource Management - Pune**
- National Institute of Technology - Jalandhar**
- Malaulya National Institute of Technology - Jaipur**
- Prestige Education Society - Indore**
- Indian Institute of Technology - Kharagpur**

UNDERSTANDING (MoUs)

- TVS Motors**
- Godrej Industries**
- Bharat Heavy Electricals Ltd.**
- Anand Group**
- Hindustan Petroleum Corporation Ltd.**
- Dassault Systemes - Mumbai**
- Larsen & Toubro Infotech**



INTERNATIONAL ACADEMIC MOUs

- Ecole centrale de Lille - France**
- University of Alabama - U.S.A.**
- University of Pittsburgh - U.S.A.**

PROFESSIONAL MOUs

- National Knowledge Network - New Delhi**
- Indian Institute of Industrial Engineering - Mumbai**
- National Productivity Council -New Delhi**

FACULTY ACTIVITIES



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**FACULTY RESOURCES****DIRECTOR**

Prof. (Ms.) Karuna Jain

PROFESSOR

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

ASSOCIATE PROFESSOR

- 1 Prof (Ms.) R D Chikhalkar
- 2 Prof (Ms.) Anju Singh
- 3 Prof Sachin S Kamble
- 4 Prof K Maddulety (On lien for a period of two years w.e.f.1.09.2017 to 31.08.2019)
- 5 Prof Sanjeev Verma
- 6 Prof Rakesh Verma
- 7 Prof Ranjan Chaudhuri (On Lien for 1 year w.e.f.26.10.2017 to 25.10.2018) Joined on 07.11.2018
- 8 Prof S K Md. Rauf Iqbal

- 9 Prof Nikhil Mehta
- 10 Prof Vivek V Khanzode
- 11 Prof Sanjeev C Panandikar
- 12 Prof Utpal Chattopadhyay
- 13 Prof Som Sekhar Bhattacharya
- 14 Prof Neeraj Pandey
- 15 Prof (Ms.) Sumi Jha
- 16 Prof (Ms.) Upasna A Agarwal
- 17 Prof B Koteswara Rao
- 18 Prof Balkrishna Eknath Narkhede

ASSISTANT PROFESSOR

1. Prof (Ms.) Hema Diwan
2. Prof Binilkumar A. S.
3. Prof(Ms.) Priyanka Verma
4. Prof Mukundan R
5. Prof (Ms.) Ruchita Gupta
6. Prof Ravindra Shridhar Gokhale
7. Prof Rakesh Dulichand Raut
8. Prof (Ms.) K.S.Ranjani
9. Prof (Ms.) Poonam Singh
10. Prof Vipul Kumar Singh
- 11 Prof (Ms.) Sushmita A Narayana
- 12 Prof Ajaya Kumar Panda
- 13 Prof (Ms.) Kanchan Dilip Joshi
- 14 Prof Mainak Mazumdar
- 15 Prof Debabrata Das
- 16 Prof (Ms.)Neha Srivastava (**On contract**)
- 17 Prof Vidyadhar V Gedam (**On contract**)
- 18 Prof (Ms.) D Jinil Persis (**on contract**)
- 19 Prof Ujjwal Kanti Paul (**on contract**)
- 20 Prof Sumant Kumar Bishwas (**on contract**)

**AREA-WISE FACULTY LIST****Decision Sciences & Information Systems**

1. Prof. (Ms.) Hema A Date
2. Prof. (Ms.) Purnima S Sangle
3. Prof. Rakesh Verma Area Coordinator-
4. Prof. R Ramaswamy
5. Prof. Sanjeev C Panandikar
6. Prof. Debabrata Das

Economics and Strategy

1. Prof. Binil Kumar A S.
2. Prof. (Ms.) Poonam Singh
3. Prof. Som Sekhar Bhattacharya
Area Coordinator
4. Prof. (Ms.) Vijaya Gupta
5. Prof. Utpal Chattopadhyay
6. Prof. Mainak Majumdar

Environmental Engineering & Management

1. Prof. (Ms.) Anju Singh
2. Prof. (Ms.) Hema Diwan
3. Prof. (Ms.) Seema Unnikrishnan
4. Prof. Shankar Murthy
5. Prof. Vidyadhar Gedam – Area Coordinator
6. Prof. Shrish Sangle

Engineering Technology Project Management

Prof. (Ms.) Karuna Jain
Prof. VB Khanapuri
Prof. Koteswara Rao Naik
Prof. Mukundan R
Prof. (Ms.) Ruchita Gupta
Prof. (Ms.) Kanchan Joshi – Area Coordinator

Finance & Accounts

Prof. (Ms.) K S Ranjani
Prof. M Venkateshwarlu
Prof. Vipul Kumar Singh
Prof. Ajaya Kumar Panda – Area Coordinator

Industrial Engineering and Manufacturing Systems

Prof. A K Pundir
Prof. KVSS Narayana Rao
Prof. L Ganapathy
Prof. Milind M Akarte
Prof. (Ms.) Priyanka Verma
Prof. S K Md. Rauf Iqbal
Prof. Vivek Khanzode
Prof. Balakrishna Narkheda- Area Coordinator
Prof. (Ms.) Jenil D Persis
Prof Padmanava Acharya

Marketing

Prof. MK Jha
Prof. Neeraj Pandey - Area Coordinator
Prof. Ranjan Choudhuri –on lien
Prof. (Ms.) RD Chikhalkar
Prof. (Ms.) Neha Srivastava
Prof. Ujjwal Kanti Paul



Organisational Behaviour & Human Resource Management

Prof. D K Srivastava

Prof. Nikhil Mehta

Prof. S K Nair

Prof. (Ms.) Sumi Jha – Area Coordinator

Prof. T Prasad

Prof. (Ms.) Upasna A Agarwal

Prof. Sumant Kumat Bishwas

Prof. (Ms.) Sumi Jha

Operations & Supply Chain Management

Prof. K Maddulety

Prof. Rakesh D Raut - Area Coordinator

Prof. Ravindra S Gokhale

Prof. Sachin S Kamble

Prof. Sanjay Sharma

Prof. (Ms) Sushmita A Narayana

**CONFERENCE / SEMINARS AND AWARDS****SEMINAR/CONFERENCE/WORKSHOP ATTENDED BY NITIE FACULTY/STAFF
1ST APRIL 17 TO OCTOBER 18**

SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
1	DR. SANJEEV VERMA ASSOCIATE PROFESSOR	Avantika Design Thinking Workshop	Avantika University	13/04/2017 TO 14/04/2017 Gurgaon
2	DR. MUKUNDAN R. ASSISTANT PROFESSOR	Avantika Design Thinking Workshop	Avantika University	13/04/2017 TO 14/04/2017 Gurgaon
3	DR. RUCHITA GUPTA ASSISTANT PROFESSOR	Avantika Design Thinking Workshop	Avantika University	13/04/2017 TO 14/04/2017 Gurgaon
4	DR. POONAM SINGH ASSISTANT PROFESSOR	Presenting paper in the 2017 Financial Markets & Corporate Governance Conference New		20/04/2017 TO 22/04/2017 Zealand
5	DR. RUCHITA GUPTA ASSISTANT PROFESSOR	Presenting Research work in the International Association for Magmt. of Technology 2017		14/05/2017 TO 18/05/2017 Vienna, Austria
6	DR. KVSS NARAYANA RAO PROFESSOR	Presenting paper in the IISE Annual Conference & EXPO 2017		20/05/2017 TO 23/05/2017 Pittsburgh, USA
7	SHRI A K PUNDIR PROFESSOR	Seminar on "Make in India for Indian Air Force"		23/05/2017 New Delhi
8	DR. MUKUNDAN R. ASSISTANT PROFESSOR	Seminar on "Make in India for Indian Air Force"		23/05/2017 New Delhi
9	DR. SHANKAR MURTHY ASSOCIATE PROFESSOR	3 days workshop on "Fraud Risk Management"		29/05/2017 TO 31/05/2017 Greater Noida



SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
10	DR. S.K. MD. RAUF IQBAL ASSOCIATE PROFESSOR	Presenting paper in the "2nd Asian Conference on Ergonomics and Design- ACED2017"		01/06/2017 TO 04/06/2017 Chiba, Japan
11	DR. ANJU SINGH ASSOCIATE PROFESSOR	International Workshop on "Green Policy and Mgmt. for Eco-Innovation and Resource Efficient Cities		13/06/2017 TO 16/06/2017 Jeju
12	DR. RANJAN CHAUDHARI ASSOCIATE PROFESSOR	Presenting paper in the 2017 Center for Business & Industrial Marketing Academic Workshop		19/06/2017 TO 21/06/2017 Stockholm, Sweden
13	DR L GANAPATHY PROFESSOR	Presenting paper in the Summer Global Human Resource Management		22/06/2017 TO 23/06/2017 Symposium USA
14	DR. NIKHIL K MEHTA ASSOCIATE PROFESSOR	Presenting paper in the IEEE PROCOMM-2017 International Professional Communication		23/07/2017 TO 26/07/2017 Madison, USA
15	DR. SACHIN KAMBLE ASSOCIATE PROFESSOR	Presenting paper in the International Symposium on Industrial Engineering & Operation Management		24/07/2017 TO 25/07/2017 Bristol, UK
16	DR.SOM SEKHAR BHATTACHARYYA ASSOCIATE PROFESSOR	Presenting paper in the International Conference- 77th Annual Meeting of the Academy of Mgmt.		04/08/2017 TO 08/08/2017 Atlanta, GA, USA
17	DR. RAKESH VERMA ASSOCIATE PROFESSOR	Presenting paper in the OR 2017-Annual International Conference		06/09/2017 TO 08/09/2017 Berlin
18	DR.(MS) HEMA DIWAN ASSISTANT PROFESSOR	Conf.on Water and energy Inclusive Growth	Vigyan Bhawan New Delhi	10/10/2017 TO 14/10/2017 Vigyan Bhawan,N.D.
19	DR. B. KOTESWARA RAO NAIK ASSISTANT PROFESSOR	BMA Digital Leadership summit 2017	Hotel Leela, Mumbai	12/10/2017 Hotel Leela Mumbai



SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
20	DR. MUKUNDAN R. BMA ASSISTANT PROFESSOR	Digital Leadership summit 2017	Hotel Leela, Mumbai	12/10/2017 Hotel Leela Mumbai
21	DR. (MS.) K.S. RANJANI BMA ASSISTANT PROFESSOR	Digital Leadership summit 2017	Hotel Leela, Mumbai	12/10/2017 Hotel Leela Mumbai
22	DR. POONAM SINGH BMA ASSISTANT PROFESSOR	Digital Leadership summit 2017	Hotel Leela, Mumbai	12/10/2017 Hotel Leela Mumbai
23	PROF.(MS) KARUNA JAIN BMA DIRECTOR	Digital Leadership summit 2017	Hotel Leela, Mumbai	12/10/2017 Hotel Leela Mumbai
24	SHRI A K PUNDIR PROFESSOR	10th International Accreditation Conference	New Delhi	06/11/2017 TO 07/11/2017 New Delhi
25	SMT. SEEMA UNNIKRISHNAN PROFESSOR	10th International Accreditation conference	New Delhi	06/11/2017 TO 07/11/2017 New Delhi
26	DR SHIRISH SANGLE ASSOCIATE PROFESSOR	10th International Accreditation conference	New Delhi	06/11/2017 TO 07/11/2017 New Delhi
27	DR. BINILKUMAR A.S. ASSISTANT PROFESSOR	9th Biennial Conf. of the Indian Society for Ecological Economics	Kerala Instt. for Local Admn (KILA)	08/11/2017 TO 10/11/2017 Trissur, Kerala
28	MRS. SUMI JHA ASSOCIATE PROFESSOR	Human Resource Development Conference	HRD,Ahmedabad Gujarat	08/11/2017 TO 10/11/2017 Ahmedabad, Gujarat
29	DR. T. PRASAD ASSOCIATE PROFESSOR	Inter. Conference Human Resource Management	HRM,IBS	09/11/2017 TO 11/11/2017 IBS, Hyderabad



SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
30	DR. VIPUL KUMAR SINGH ASSISTANT PROFESSOR	Presenting paper in the 15th Asia Pacific Conference		11/11/2017 TO 12/11/2017 Beppu, Japan
31	DR. NIKHIL K MEHTA ASSOCIATE PROFESSOR	FIRO-B Certification Program	Anahat Mumbai	23/11/2017 TO 24/11/2017 Anahat Mumbai
32	DR. UTPAL CHATTOPADHYAY ASSOCIATE PROFESSOR	conference on Management, Cases(ICMC) 2017	BIMT Greater Noida	30/11/2017 TO 01/12/2017 BIMT Greater, Noida
33	PROF. AJAYA KUMAR PANDA ASSISTANT PROFESSOR	Presenting paper in the 15th Asian Pacific Conference		11/12/2017 TO 12/11/2017 Beppu, Japan
34	DR. M VENKATESHWARLU PROFESSOR	Conf. - Indian Finance	IIM Bangalore	20/12/2017 TO 22/12/2017 IIM B'lore
35	DR. M VENKATESHWARLU PROFESSOR	Indian Economic Association Acharya Nagarjuna University	Guntur, Andhra Pradesh	26/12/2017 TO 30/12/2017 Guntur, Andhra Pradesh
36	PROF. SATISH KUMAR ASSISTANT PROFESSOR	15th AIMS International Conference on Management	IMT Ghaziabad	05/01/2018 TO 08/01/2018 IMT Ghaziabad
37	SHRI VB KHANAPURI ASSOCIATE PROFESSOR	CII on theme Academic Leadership Workshop: Changing Paradigms	Academic Leadership Workshop	22/01/2018 TO 23/01/2018 Mumbai
38	DR SHIRISH SANGLE ASSOCIATE PROFESSOR	CII on theme Academic Leadership Workshop: Changing Paradigms	Academic Leadership Workshop	22/01/2018 TO 23/01/2018 Mumbai



SR. NO.	NAME AND DESIGNATION	DESCRIPTION	ORGANISED BY	DATE & VENUE
39	MS. SUSHMITA A NARAYANA ASST. PROF. (ON CONTRACT)	5th Euroum Sustainable Operations & Supply Chains	5th Euroum Sustainable Forum Op. & Supply Chains Forum	04/03/2018 TO 07/03/2018 Kessel, Germany
40	DR. PRIYANKA VERMA ASSISTANT PROFESSOR	5th Euroum Sustainable Operations & Supply Chains	5th Euroum Sustainable Forum Op. & Supply Chains Forum	04/03/2018 TO 07/03/2018 Kessel, Germany
41	DR. M VENKATESHWARLU PROFESSOR	9th Financial Markets and Corporate Governance Conference	FMCG	05/04/2018 TO 07/04/2018 Melbourne, Australia
42	DR. RUCHITA GUPTA ASSISTANT PROFESSOR	27th International Conference on Management of Technology	IAMOT	22/04/2018 TO 26/04/2018 Birmingham England
43	DR. B. KOTESWARA RAO NAIK ASSISTANT PROFESSOR	1. (TEMSCON-2018) 2. (RADMA-2018)	1.(TEMSCON-2018) 2.(RADMA -2018)	26/06/2018 TO 30/06/2018 (USA)/Milan, Italy)
44	LT. CMR. NISHA SINGH ASSISTANT REGISTRAR	Management Development Programme (MDP) at IIM	Mngt. Deve. Prog. (MDP) at IIM	06/08/2018 TO 08/08/2018 IIM Indore
45	DR.(MRS.) UPASNA A.AGARWAL ASSISTANT PROFESSOR	Academy of Management	Academy of Management	10/08/2018 TO 14/08/2018 Chicago, Illinois
46	SMT. SEEMA UNNIKRISHNAN PROFESSOR	International Conference on Sustainable Development in University of Oxford Queen's College	Intnl. Conf. on Sustainable Development	14/08/2018 TO 15/08/2018 Oxford, UK
47	DR. KVSS NARAYANA RAO PROFESSOR	Diamond jubilee National Convention of IIIE (ICIEID-2018)	Diamond Jubilee National Convention of IIE	27/09/2018 TO 30/09/2018 Bhubaneswar,India

**RESEARCH AND PUBLICATIONS****Research Publications:**

1. Kumar, Santosh, and **KVSS Narayana Rao**. (2017), Study of Causality, Shocks, and Risk Return Trade-off in Multifactor Asset Pricing Models, *Australian Academy of Accounting and Finance Review* 3(1), 21-27.
2. Kambhampati, Venkata Satya Surya Narayana Rao (2017), Principles of Industrial Engineering, *IIE Annual Conference. Proceedings*. Institute of Industrial and Systems Engineers (IISE).
3. Ruchi Mishra, Ashok K. Pundir, L. Ganapathy, (2017) "Evaluation and prioritisation of manufacturing flexibility alternatives using integrated AHP and TOPSIS method: Evidence from a fashion apparel firm", *Benchmarking: An International Journal*, Vol. 24 Issue: 5, pp.1437-1465
4. Ruchi Mishra, Ashok K. Pundir, L. Ganapathy, (2018) "Empirical assessment of factors influencing potential of manufacturing flexibility in organization", *Business Process Management Journal*, Vol. 24 Issue: 1, pp.158-182
5. Gupta, Vipul, Gopalakrishnan Narayanamurthy, and **Padmanav Acharya**, (2018), Can lean lead to green? Assessment of radial tyre manufacturing processes using system dynamics modelling. *Computers & Operations Research*, 89, 284-306.
6. Balasaheb Shahaji Gandhare, Milind M. Akarte, Pradip P. Patil, (2018) "Maintenance performance measurement – a case of the sugar industry", *Journal of Quality in Maintenance Engineering*, Vol. 24 Issue: 1, pp.79-100, <https://doi.org/10.1108/JQME-07-2016-0031>
7. Harshad Sonar, **Vivek Khanzode, Milind Akarte** (2017), "Selection of optimum Additive Manufacturing technique using multi criteria decision making", *Proceeding of XXI Annual International Conference of the Society of Operations Management (SOM)*.
8. Harshad Sonar, Sourabh Kulkarni, **Vivek Khanzode, Milind Akarte** (2017), "Impact of Additive Manufacturing on Supply Chain", *Proceedings of 21st Cambridge International Manufacturing Symposium*.
9. Bhavin Shah, **Vivek Khanzode**, (2017), Storage allocation framework for designing lean buffers in forward-reserve model: a test case, *International Journal of Retail & Distribution Management*, 45 (1), 90-118.
10. Girish, N., **Rauf Iqbal**, and **Vivek Khanzode** (2017), Lifting Capacity Among Indian Manual Materials Handlers Using Progressive Isoinertial Lifting Evaluation. *Journal of Musculoskeletal Research* 20(1): 1750004.
11. Shah, Bhavin, and **Vivek Khanzode** (2017), A comprehensive review of warehouse operational issues, *International Journal of Logistics Systems and Management* 26(3) 346-378.
12. Gupta, Ishant, Parveen Kalra, and **Rauf Iqbal**. (2017), Physiological Effects of Backpack Packing, Wearing and Carrying on School Going Children. *International Conference on Research into Design*. 1, 813-822, CoRD 2017. *Smart Innovation, Systems and Technologies*, vol 65. Springer, Singapore.



13. Akhtar, M. Waseem, M. Junaid Hasnat Ahmad **Rauf Iqbal** Fayyaz A. Siddiqui (2017), A hybrid approach to develop a real time COFDM based data link using TI C64xx DSP and XC5VSX95T FPGA." *Applied Sciences and Technology (IBCAST), 2017 14th International Bhurban Conference on*. IEEE.
14. Ray, G.G., **Iqbal, R.**, Ganguli, A.K., **Khazode, V.** (2017), *Ergonomics in Caring for People: Proceedings of the International Conference on Humanizing Work and Work Environment 2015*. Springer.
15. Patel, P **Rauf Iqbal**, H. Bhasin, A. Bhatnagar, M. K. Chauhan (2018), General Health-Related Physical Fitness Levels of College-Going Girls from Maharashtra. *Ergonomics in Caring for People*. Springer, Singapore,. 97-103.
16. Vaidya, Devika Vipin, **Rauf Iqbal**, and Archana Bhatnagar. (2018) Impact of Footwear on Gait Parameter." *Ergonomics in Caring for People*. Springer, Singapore,. 3-8.
17. Chaple, Anup Prabhakar Rao, and **Balkrishna Eknath Narkhede** (2017), Value stream mapping in a discrete manufacturing: A case study, *International Journal of Supply Chain Management* 6(1) 55-67.
18. **Balkrishna Eknath Narkhede**. (2017), Advance manufacturing strategy and firm performance: An empirical study in a developing environment of small-and medium-sized firms. *Benchmarking: An International Journal* 24 (1), 62-101.
19. **Balkrishna Eknath Narkhede**, Rakesh Raut, Bhaskar Gardas, Huynh Trung Luong, Manoj Jha, (2017), Selection and evaluation of third party logistics service provider (3PLSP) by using an interpretive ranking process (IRP), *Benchmarking: An International Journal*, Vol. 24 (6), 1597-1648.
20. Linda Zhang, **Balkrishna Eknath Narkhede**, Anup P. Chaple, (2017), Evaluating lean manufacturing barriers: an interpretive process, *Journal of Manufacturing Technology Management*, 28 (8), 1086-1114.
21. Rakesh D. Raut, **Balkrishna Narkhede**, Bhaskar B. Gardas (2017), To identify the critical success factors of sustainable supply chain management practices in the context of oil and gas industries: ISM approach, *Renewable and Sustainable Energy Reviews*, Volume 68, Part 1, February 2017, Pages 33-47.
22. Bhaskar B. Gardas, Rakesh D. Raut, **Balkrishna Narkhede** (2017), Modeling causal factors of post-harvesting losses in vegetable and fruit supply chain: An Indian perspective, *Renewable and Sustainable Energy Reviews*, Volume 80, December 2017, Pages 1355-1371.
23. Bhaskar B. Gardas, Rakesh D. Raut, **Balkrishna Narkhede** (2017), A state-of the-art survey of interpretive structural modelling methodologies and applications, *International Journal of Business Excellence*, 11 (4), 505-560.
24. B.M. Bhandarkar, **B.E. Narkhede**, M. Bhagat (2017), "Servant leadership of the teachers of engineering colleges: an empirical study from engineering students' perspective", - *International Journal of Business Excellence*, Vol.11 Issue.4, pp.425-445.
25. **B.E. Narkhede**, S.K. Mahajan, B.T. Patil, R.D. Raut(2017), "Evaluating Factors Influencing Information Quality in Large Firms", *International Journal of Social, Behavioural, Educational, Economic, Business and Industrial Engineering*, Vol.11, Issue.1, pp.30-37.



26. Rakesh D. Raut, **Balkrishna E. Narkhede**, Bhaskar B. Gardas, Vijayanti Raut (2017), Multi-criteria decision making approach: a sustainable warehouse location selection problem, *International Journal of Management Concepts and Philosophy*, 10 (3), 260-281.
27. Anjali Shishodia, Vijaya Dixit, **Priyanka Verma**, (2018) "Project risk analysis based on project characteristics", *Benchmarking: An International Journal*, Vol. 25 Issue: 3, pp.893-918, <https://doi.org/10.1108/BIJ-06-2017-0151>
28. Vijaya Dixit, **Priyanka Verma**, Piyush Raj & Mayank Sharma (2018) Resource and time criticality based block spatial scheduling in a shipyard under uncertainty, *International Journal of Production Research*, DOI: [10.1080/00207543.2018.1424369](https://doi.org/10.1080/00207543.2018.1424369)
29. **Jinil Persis** and Paul Robert, "Review of AODV Protocol and its Swarm Intelligent Variants for MANET", *IET Networks*, 2017, Vol. 6, No. 5, pp. 87-93.
30. Purankar, S.A., **Singh, V.K. (2017)**, Does inclusion of agriculture futures contracts provide enough portfolio diversification? Evidences from India, *International Journal of Management Practice*.
31. Purankar, S.A., **Singh, V.K. (2017)**, Portfolio co-integration dynamics of metal and energy commodities: Evidence from India, *International Journal of Management Practice*.
32. Purankar, S.A., **Singh, V.K. (2017)**, Interdependence dynamics of commodity derivatives and macroeconomic factors: Evidence from India, *International Journal of Applied Business and Economic Research*
33. **Panda. A.K.** and Nanda S. (2018), Time-Varying Synchronization and Dynamic Conditional Correlation among the Stock Market Returns of Leading South American Economies" *International Journal of Managerial Finance*, Vol. 14 Issue: 2, pp.245-262, <https://doi.org/10.1108/IJMF-11-2016-0206>
34. **Panda. A.K.** and Nanda S. (2018), Working Capital Financing and Corporate Profitability of Indian Manufacturing Firms, *Management Decision*, Vol. 56 Issue: 2, pp: 441-457. <https://doi.org/10.1108/MD-07-2017-0698>
35. **Panda. A.K.**, Nanda S. (2018), A GARCH Modelling of Volatility and M-GARCH Approach of Stock Market Linkages of North America; *Global Business Review*, Vol-19, Issue-6 (Forthcoming)
36. Nanda S. and **Panda. A.K.** (2018), The Determinants of Corporate Profitability; An Investigation of Indian Manufacturing Firms, *International Journal of Emerging Markets*, Vol-13, Issue-1, pp.66-86, <https://doi.org/10.1108/IJoEM-01-2017-0013>
37. **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, DOI: 10.1108/JFEP-08-2016-0063.
38. **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. 3.1, DOI: [10.1186/s40854-016-0051-8](https://doi.org/10.1186/s40854-016-0051-8).
39. Gupta Vijaya, (2018), **Economic Policy Making in India and the Scope of Entrepreneurship led Development**, in 'Indian Entrepreneurship and Innovation - The Current State of Affairs' Editor Jay Mitra, Springer, in press.

40. Chandan Kumar Jha, Vijaya Gupta, Utpal Chattopadhyay, Binilkumar Amarayil Sreeraman, (2018) “**Migration as adaptation strategy to cope with climate change: A study of farmers’ migration in rural India**”, *International Journal of Climate Change Strategies and Management*, Emerald, Vol. 10 Issue: 1, pp.121-141
41. Sibananda Senapatia, Vijaya Gupta, (2017), **Socio-economic vulnerability due to climate change: Deriving indicators for fishing communities in Mumbai**, *Marine Policy*, Elsevier, 76, pp 90–97.
42. **Binilkumar Amarayil Sreeraman**, Gyanendra Singh Konthoujam 2018 Conservation Vs Livelihood: Stakeholder Preferences over the Improved Conservation of Loktak Lake in Manipur, INDIA In Nandan Nawan and Joy Elamon Eds 2018 *Sustainability, Institutions, Incentives, Voices, Policies and Commitments: Conference Proceedings*. Delhi: Indian Society of Ecological Economics.
43. Chandan Kumar Jha, Vijaya Gupta, Utpal Chattopadhyay and **Amarayil Sreeraman Binilkumar** 2017 “Migration as an Adaptation Strategy to Cope with Climate Change: a study of Farmer Migration in rural India” *International Journal of Climate Change Strategies and Management (Emerald)*Vol. 10 (1), pp.121-141.
44. Bhattacharyya S S, (2018) “Development of a conceptual framework on real options theory for strategic human resource management”, *Industrial and Commercial Training*, Vol 50, No 5, pp-272-284.
45. Verma S and Bhattacharyya S S, Kumar S (2018) ” An extension of the Technology Acceptance Model (TAM) in the Big Data Analytics (BDA) system implementation environment ”, *Information Processing and Management*, Vol 54, Issue 5, pp-791-806.
46. Bhattacharyya, S S, Cirjevskis A, and Pólajeva T, (2018)“ International business managers’ perspective of doing business with the emerging economy of India “, *Indian Journal of Industrial Relations*, 54, (2), pp-282–295.
47. Bhattacharyya S S (2018) ‘, A holistic perspective on strategic alliance for Indian managers, *Journal of Services Research*. Volume 18 Number 1, April – September, Vol 18 No. 1. pp-25-45.
48. Bhattacharyya S S and Kovempu J, (2018) Working Capital Management of micro and small enterprises in Srikakulam, Andhra Pradesh: Study on comparative perspectives on operational versus strategic thinking “, *Indian Journal of Industrial Relations*, Vol 45, No 1, pp-177-192.
49. Jha S and Bhattacharyya S S, (2018) Exploring the antecedents of Marketing-Operations Interface Quality and Competitive Aggressiveness, *International Journal of Management Practice* , Vol. 11, No. 2, pp-218-232.
50. Bhattacharyya S S, (2018) “Study of Indian conglomerates diversification and performance”, *Indian Journal of Industrial Relations*, Vol. 53, No. 3, pp-410-423.
51. Bhattacharyya, S S, Cirjevskis A, and Pólajeva T, (2018)“Case study on transitional and emerging economy International Business; A perspective of Latvia, Lithuania and Estonia with India.”, *South Asian Journal of Business and Management Cases*, 7(2), pp-1–12.



52. Bhattacharyya S.S., (2018) Study of Indian firms managerial perspectives for international business strategy towards Central and Eastern European market, *Journal of Development and Research*, 10(4), pp-25-33.
53. Nayak B, Bhattacharyya, S S, Krishnamoorthy B and Pathak, P (2018) 'Customer preferences for health insurance product attributes', *Journal of Services Research*, April -September, Vol 18 No. 1.pp-59-77.
54. Bhattacharyya S S and Choudhury A.D. (2017) Study of Indian exports and imports; sectoral trend analysis for 19 years between 1996-1997 to 2014-2015, *International Journal of Business and Globalization*, Vol.19, No.2, pp.233 - 290.
55. Jha S and Bhattacharyya, S S, (2017) "Development of model integrating determinants of Job Performance and Competitor Orientation", *International Journal of Indian Culture and Business Management*,., Vol.15, No.3, pp.326 - 349.
56. Jha S and Bhattacharyya, S S (2017) Shifting contours of strategic human resource management in India, *Strategic HR Review*, Vol. 16 Issue: 5, pp.241-243.
57. Verma S and Bhattacharyya S S, (2017) "Perceived Strategic Value based Adoption of Big Data Analytics in emerging economy: A qualitative approach for Indian firms." *Journal of Enterprise Information Management*, Vol. 30 Issue: 3, pp.354-382.
58. Bhattacharyya S. S. and Harikumar P. (2017), Study of emergent business models, *Journal of Development Review*, Vol -10, Issue-2, pp-20-29.
59. Bhattacharyya, S. S., & Jha, S. (2017). Internationalization Strategy of Afcons: Planning and Implementation. *South Asian Journal of Business and Management Cases*, 6(2), 135-149.
60. Jha S and Bhattacharyya, S S (2017) Entrepreneurship in online restaurant: Saga of Holachef in an increasing digitalized India', *Emerging Markets Case Studies Collection*, Emerald Publishers, Vol. 8 Issue: 1, pp.1-17.
61. Kulkarni, S., Verma, P., & Mukundan, R. Performance modelling- Literature Review and future research directions. (NITIE Working paper- WPS-IEMS-June-2018-#2)
62. Mahesh Deshpande, Prashant Ambad, Sourabh Kulkarni, Harshad Sonar, Vivek Khanzode, "Quality Comparison of Additive Manufacturing and Reverse Engineering", Papers accepted for 3rd National Conference on Recent Trends in Mechanical Engineering (NCRTME- 2018), WCE, Sangli.
63. Ashwini Varade, Abhay Gore, Sourabh Kulkarni, Harshad Sonar, Vivek Khanzode, "Production cost comparison - Additive manufacturing and reverse engineering", Papers accepted for 3rd National Conference on Recent Trends in Mechanical Engineering (NCRTME- 2018), WCE, Sangli.
64. Harshad Sonar, Vivek Khanzode, Milind Akarte, "Exploring the Role of Additive Manufacturing in Industry 4.0", Papers accepted for 3rd National Conference on Recent Trends in Mechanical Engineering (NCRTME- 2018), WCE, Sangli.
65. Verma G, Khairnar H, Kulkarni S, Sonar H., Khanzode V, "Modelling performance of flexible manufacturing System", Papers accepted for 3rd National Conference on Recent Trends in Mechanical Engineering (NCRTME- 2018), WCE, Sangli.



66. Vikash Sharma, M.M. Goud, Vivek Khanzode, Sourabh Kulkarni, Harshad Sonar, "Implementation of Lean in Job-Shop (E-T-O): Case Illustration", Papers accepted for 3rd National Conference on Recent Trends in Mechanical Engineering (NCRTME- 2018), WCE, Sangli.
67. Harshad Sonar, Sourabh Kulkarni, Vivek Khanzode, Milind Akarte, "Exploring Additive Manufacturing Implementation Factors for Competitiveness", manuscript accepted for the POMs 29th Annual Conference, Houston 2018.
68. Gaurav Verma, H Khairnar, Sourabh Kulkarni, Harshad Sonar, Vivek Khanzode, "Exploring FMS Implementation Factors through Simulation Modelling", manuscript accepted for the POMs 29th Annual Conference, Houston 2018.
69. Vikash Sharma, M Gaud, Sourabh Kulkarni, Harshad Sonar, Vivek Khanzode, "Modelling Value Stream Map in ETO Environment", manuscript accepted for the POMs 29th Annual Conference, Houston 2018.
70. Harshad Sonar, Vivek Khanzode, Milind Akarte, "Selection of optimum Additive Manufacturing technique using multi criteria decision making", Proceeding of XXI Annual International Conference of the Society of Operations Management (SOM) 2017.
71. Vijaya Gohane, Harshad Sonar, Sourabh Kulkarni, Vivek Khanzode, "Empirical analysis of Total Factor Productivity growth: a case study on Indian Steel Industry", Proceeding of XXI Annual International Conference of the Society of Operations Management (SOM) 2017.
72. Harshad Sonar, Sourabh Kulkarni, Vivek Khanzode, Milind Akarte, "Additive Manufacturing Strategy for Firm Competitiveness", manuscript accepted for the 9th POMS-HK International Conference 2018.
73. Harshad Sonar, Sourabh Kulkarni, Vivek Khanzode, Milind Akarte, "Impact of Additive Manufacturing on Supply Chain", Proceedings of 21st Cambridge International Manufacturing Symposium, September 2017.
74. Harshad Sonar, Sourabh Kulkarni, Vivek Khanzode, Milind Akarte, "Impact of Additive Manufacturing on Manufacturing Systems", Proceedings of 2nd National Conference on Recent Trends in Mechanical Engineering (NCRTME- 2017), ISBN: 978-81-931546-5-6
- #### Conference and Workshop Presentation
75. Nayak B, Bhattacharyya, S S, Krishnamoorthy B and Pathak, P (2017) "Developing a Technology Policy Scale for the Health Insurance Sector ", *11th ISDSI International Conference, Indian Institute of Management Tiruchirappalli, 27-30, December, 2017.*
76. Bhattacharyya, S S and Verma S, Kumar S, Verma S (2017), Academy of Management (AOM) Conference, Impact of Strategic Orientation, Capabilities on Business Performance of New Ventures in India..August 4-8 2017, Atlanta, Georgia, USA
77. Gupta Vijaya, (2018), **The Scope of Entrepreneurship led Development through Employment Opportunities in India**, *10th Economics and Finance Conference, Rome, Italy from 10-13 September 2018*
78. Gupta Vijaya, 2017, **Economic implications of various governance instruments for IUWM: The Case of India**, *14th IWA/IAHR International Conference on Urban Drainage, Prague, Czech Republic, 10-15 September.*



79. Gupta Vijaya, (2017), **Household willingness to pay for arsenic free drinking water in Bihar**, India, accepted for oral presentation at 12th conference of *European Society of Ecological Economics*, Budapest, Hungary, 20-23 June, Co-authored and presented by Thakur, Barun Kumar.
80. **A.S. Binilkumar** and Gyanendra Singh Konthoujam 2017 Conservation Vs Livelihood: Stakeholder Preferences over the Improved Conservation of Loktak Lake in Manipur, INDIA, Presented at Ninth Biennial Conference of Indian Society for Ecological Economics held on 8-10 November 2017 at Thrissur, Kerala.
81. **A.S. Binilkumar**, Prasanta Leichombam and Gyanendra Singh Konthoujam 2017 An Economic Approach to Wetland Management: A Case Study of Loktak Lake, India, Presented at Tenth Global Studies Conference held on 8 - 10 June 2017 at National University of Singapore, Singapore
- success.” *International Journal of Business Information Systems* 24.2 (2017): 174-209.
3. Dubey, Neeraj Kumar, and Purnima Sangle. “Customer perception of CRM implementation in banking context: Scale development and validation.” *Journal of Advances in Management Research* (2018).
4. Safeena, Rahmath, Abdullah Kammani, and Hema Date. “Exploratory Study of Internet Banking Technology Adoption.” *Technology Adoption and Social Issues: Concepts, Methodologies, Tools, and Applications*. IGI Global, 2018. 333-355.
5. Madakam, Somayya, R. Ramaswamy, and Hema Date. “Quality of Life@ Palava Smart City: A Case Study.” *Global Business Review* (2017): 0972150917721822.
6. Bhawsar, Pragya and Chattopadhyay, Utpal (2018), “Evaluation of Industry Cluster Competitiveness: A Quantitative Approach”, *Benchmarking: An International Journal*, Vol. 25, Emerald, Issue 7, pp. 2318-2343.
7. Chattopadhyay, Utpal (2018), *Go Solo, Grow Fast: Hyundai Motor’s Mantra for Success in Indian Market* in Dey, Ajoy Kumar and Thatchenkery, Tojo (eds.), *Leveraging Human Resources for Harmonizing Management practices and Fostering Entrepreneurship*, Bloomsbury Publishing India Pvt. Ltd., New Delhi, pp 206-219.
8. Chandan Kumar Jha, Vijaya Gupta, Utpal Chattopadhyay, Binilkumar Amarayil Sreeraman, (2018) “Migration as adaptation strategy to cope with climate change: A study of farmers’ migration in rural India”, *International Journal of Climate Change*
- Book published**
82. Bhattacharyya S S and Jha S (2018), *Strategic Leadership Models and Theory: Indian Perspectives*, Emerald, United Kingdom
- Publications**
1. Jha, Sumi, and Purnima S. Sangle. “PrideVel: Preparing and Expanding Talent Pool for Emerging Technologies.” *South Asian Journal of Business and Management Cases* (2018): 2277977918803237.
2. Roy, Somnath, and Purnima S. Sangle. “AHP-based framework for prioritising critical success factors to achieve ERP implementation



Strategies and Management, Emerald, Vol. 10 Issue: 1, pp.121-141

9. Ranganathan, K and Singh P. (2018). Reference Price Effect and the Regulatory Environment, *Journal Accounting, Audit and Finance* available at <https://doi.org/10.1177/0148558X18798998>
10. Ranjani, K.S. and Singh, P. (2018). Reciprocity, Performance and Training Spends: A Study of Microfinance Institutions (Forthcoming in *Entrepreneurship Development Microfinance*)
11. Singh, P. (2017) Competition or Comparative Advantage: What Drives Mergers and Acquisition *Journal of Quantitative Economics*, 15(3), 461-488

Conference Presentation

1. Chattopadhyay, Utpal, *Go Solo, Grow Fast: Hyundai Motor's Mantra for Success in Indian Market*, presented in International Conference on Management Cases (ICMC 2017), organized by Birla Institute of Management Technology (BIMTECH), Greater Noida, Nov 30- Dec 01, 2017.
2. Vellala, Paramasivan S., Madala, Mani K. and Chattopadhyay, Utpal, *Econometric Analysis of Growth Inclusiveness: Evidence from Cross Section Data*, presented in National Conference on Finance and Applied Economics, organized by Marathwada Mitra Mandal's Institute of Management Education Research and Training in association with The Indian Econometric Society(TIES), New Delhi at Pune, October 7-8, 2017.

International Conferences attended

1. **Dr. Vipul Kumar Singh and Dr Ajaya Kumar Panda** attended and presented research paper

at 15th Asia Pacific Conference at Ritsumeikan Asia Pacific University, Beppu, Japan, from 11th – 12th November, 2017.

Sponsored Project

1. Ranjani, K.S., Mukundan, R. and Singh P. Development of Technology Platform Innovation towards transformational fintech solutions. Industry Project,
2. Ranjani, K.S., Mukundan, R. and Singh P. Economic and Productivity Analysis of an application wrapper for enhanced digital payments and receipts system, NITIE Seed Fund Grant
3. Singh, P. and Ranganathan, K. Block Deals, Market Reaction and Monitoring, Evidence from India, NSE-IGIDR-CG Research Initiative

Conference and Workshop Presentation

1. Ranjani, k.S., Mukundan, R. and Singh P. Design of a DSI in Fintech-An Indian Experience paper accepted for presentation in JAMS Conference Managing Business and Innovation in Emerging Markets, April 26-28, 2018
2. Ranganathan, K, Singh, P, Srinidhi, B, and Veeraghavan, M. Demystifying the Role of Multiple Blockholders in Family Firms paper accepted for presentation in Academy of Management Paper & Idea Development Workshop IIM Bangalore 17th – 18th February 2018
3. Singh, P and K. Ranganathan. Block deals, Market Reaction and Monitoring, Evidence from India paper accepted for presentation at Financial Markets and Corporate Governance Conference, April 21-22, 2017, University of Victoria, New Zealand

STUDENT AFFAIRS AND ACTIVITIES



Annual Report 2017 - 18



STUDENT AFFAIRS AND ACTIVITIES

Avartan

NITIE was established in the year 1963 under the aegis of the United Nations Development Programme and the International Labour Organization to create skilled professionals. NITIE celebrated its golden jubilee in the year 2013.

On occasion of completion of 50 years of fostering industrial productivity & providing managerial excellence, NITIE took a step towards amalgamation of all the student activities under one umbrella and saw the genesis of 'AVARTAN' which signifies the rhythmic cycle of change and development. The objective of this festival is to highlight the inherent power of team work and synergy in the modern organizational setup.

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 to exposé 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.



Mr. Onkar S Kanwar, Chairman & Managing Director, Apollo Tyres Ltd.



Mr. Harsh Mariwala, Chairman, Marico Ltd.



NITIE, this year felicitated **“Lakshya Business Visionary Award 2017”** to two industry leaders. Under the prolific guidance of **Mr. Onkar S Kanwar, Chairman & Managing Director, Apollo Tyres Ltd.** has grown tremendously and transformed itself from an Indian tyre manufacturing company to a global giant with a wide spectrum of product offerings and global presence. Leading the company with a futuristic vision, he captured the international market with a supply network across 118 countries.

Mr. Harsh Mariwala, Chairman, Marico Ltd. (Marico), over the last 3 decades has transformed a traditional commodity driven business into a leading Consumer Products Company, in the Beauty and Wellness space. Under his leadership, Marico has achieved several awards and external recognition – over 100 in number of the last few years.

Lakshya Distinguished Leader Awards

NITIE, with utmost respect, felicitates with **“Lakshya Distinguished Leader Award”**, in recognition of 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.



Dr. VK Saraswat Member, NITI Aayog, Former Secretary Department of Defense R&D, Former Director General DRDO

“Lakshya Distinguished Leader Award 2017” was conferred upon **Dr. V K Saraswat, Member, NITI Aayog, Former Secretary Department of Defence R&D, Former Director General DRDO.** Dr. Vijay Kumar Saraswat, is a scientist of international renown and an accomplished researcher with more than four decades of experience spanning over several fields and areas in both basic and applied sciences of defense research. Apart from being a scientist, he is a rare combination of an innovator, technologist and visionary.

Empresario Entrepreneurship Awards

The Empresario most inspiring award was conferred to **Mr. Rahul Sharma, Co-founder and CEO of Micromax** in recognition of his innovative ideas, introducing new technologies & products for Indian economy. His vision created a huge market for cheaper smartphones in India and is now leading the company to gain back the volume lost to Chinese market segment.



Mr. Rahul Sharma, Co-founder and CEO of Micromax

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 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 strives to teach aspiring students by providing them with valuable resources and knowledge, which will set them up for success in future in the industry. The event transforms NITIE into a hotbed of activities focused on inspiring and driving students towards management excellence.

Presented by Nestle this year, dignitaries at Prerana Business Meet gave their inputs on the topic, “Driving Business through Technological Innovation” which aimed to capture the disruption that technology is bringing about in today’s world and how it is being used to drive business. The discussion on this topic was quite engaging and informative, thanks to the vast experience and stature of our esteemed judges. The depths of discussions brought new perspectives regarding technological innovation and its application to drive business.

NITIE hosted three brilliant minds of the industry, for Prerana Business Meet, 2017:

Mr. Omer Dormen, Managing Director, Castrol India Limited



Eminent panellist from the left: Prof. Ashok K. Pundir, Dean (Student Affairs),NITIE, Mr. Arvind Thakur, CEO, NIIT Technologies Ltd, Prof.(Ms.) Karuna Jain, Director,NITIE, Mr. Prabal Chakraborty, MD, Boston Scientific India & Mr. Omer Dormen, MD, Castrol India Ltd



Mr. Prabal Chakraborty and Mr. Arvind Thakur lighting the lamp during the inaugural ceremony

Mr. Prabal Chakraborty, Managing Director, Boston Scientific India

Mr. Arvind Thakur, Chief Executive Officer, NIIT Technologies Limited

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 backgrounds spoke on the topic **“Role of Industrial Engineering in Make in India”**

The esteemed dignitaries for Industrial Engineering Conclave 2017 were:

1. **Mr. Avinash Kapoor**, MD-India, Helvoet Rubber & Plastic
2. **Mr. Milind Joshi**, Senior Vice President, Aegis Limited.



- 3. Mr. Sachin Mathur**, CPO & Head SCM, Sudarshan Chemical Industries Limited.

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 brings 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*. 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 “**Supply Chain Resilience**”

The esteemed dignitaries for SCM conclave were:

- 1. Mr. Jayanta Chatterjee**, Executive Director Supply Chain, Castrol India
- 2. Mr. Somnath Das**, Head Supply Chain Planning & Logistics, Marico Limited
- 3. Mr. Joy Chakraborty**, Chief Operating Officer, Hinduja Hospital

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

The topic of the conclave was “Digital Manufacturing”.

The esteemed dignitaries for Manufacturing conclave were:

- 1. Mr. V Sridhar**, Group Vice President & Director, Honda Motorcycle & Scooter India Pvt Ltd.
- 2. Mr. Nirmalya Banerjee**, Managing Partner – Innovation and Transformation Group, TCS
- 3. Mr. Quraish Baldiwala**, Director & Head of Nutrition Supply Chain, Abbott India Ltd.
- 4. Dr. Shrihari P. Mandaogane** (Head Business excellence services) TATA Motors.





NITIE Finance Conclave

The stage was set for one of the most eagerly awaited event of the year “Nitie Finance Conclave-2017”. The concept of big data has been around for years; most organizations now understand that if they capture all the data that streams into their businesses, they can apply analytics and get significant value from it. The big data pendulum for financial services has officially swung from passing fad or experiment to large deployments. To discuss this trend, the topic for the conclave was kept as “Big Data in Finance-Innovations & Emerging Trends”.

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. Sameer Singh, CEO, The Digital Fifth

Ms. Radhika Gupta, CEO, Edelweiss AMC

Mr. Amit Shah, Senior President & Country Head, YES Bank

Mr. Saurabh Shankar, Sales & Customer Engagement, Paysense

Prof M Venkateshwarlu had initiated the session by providing an overview of the concept of Big Data. 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 ‘Corporate strategies for a sustainability driven future’.

With more and more inclusion of sustainability performance indicators in the buying behaviour of customers, it is imperative for firms to master sustainability for ensuring a competitive edge. The 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: Santosh Jayaram, Director, Sustainability & CSR, KPMG, Chaitanya Kalya, Partner, Sustainability & Climate change advisory, EY, Beroz Gazdar, Head Sustainability, Baker Tilly DHC Ltd.

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 event sees the top brass of the corporate world discuss the latest in the field of technology and how it affects businesses and the industry. With the boom in start-ups, it becomes important to discuss about emerging technologies and other relevant trends. This year, the dignitaries expressed their views about the topic “**Manufacturing – Another face of Entrepreneurship**” in an intriguing and expressive manner. With NITIE’s vision as “To be the thought leader in Industrial Engineering education and research, and partner in the manufacturing renaissance of the nation” and current boom in start-up’s culture, this topic was perfectly in-line with NITIE’s motto and current trends in business environment. We had the following distinguished people as members of the panel to talk in length about our topic –

1. **Mr. Maxson Lewis**, Co-Founder and Managing Director, Magenta Power Pvt. Ltd.
2. **Mr. Surajit Bahulikar**, Senior General manager, Strategic Sourcing, Kirloskar Engines Ltd.
3. **Mr. Abhijeet Kumar**, Founding Partner, Ah! Ventures

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

it equips the budding managers with the latest trends and advancements. **Lakshya 2017 “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 Apollo Tyres Ltd., HAL, Mahindra SSG, Ashok Leyland, L&T Finance, John Crane etc. The Jury for the above events also came from reputed companies such as:

1. **Mr. Urvil Modi**, Director- Food & Beverages, Schneider Electric
2. **Mr. Sushil Rathi** – COO Mahindra Logistics
3. **Saikumar Bajana** – Head IE & QA – Bharat Gears
4. **Prashant Chopade** – VP, Mahle Behr (Anand Group)
5. **Assem Sinha** – VP& Head Manufacturing IT, RIL





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 2017 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



Juries (from the left) Ops & SCM (NITIE) during Operations & SCM Module of Summer Project Contest : Mr. Ankur Bhagat, Associate Director-Country Supply Chain Head (P&G) , Mr. Amit Verma, Sr. Vice President and Head of Procurement (Reliance), Mr. Milind Joshi, Sr. Vice President and Head of Procurement, (Aegis Ltd), Prof Rakesh Raut, Assistant Professor, Ops & SCM (NITIE).



Eminent Jury members who were the part of SPC 2017 are as follow:

SPC MARKETING- 12 th OCT 10:30 AM TO 12:30 AM)		
Jury Name	Designation	Organisation
Mr. Sreejit Nair	Vice President	MYCFO
Mr. AmbujTiwari	Product Head	Havel Is
Prof. MKJha	Professor	NITIE

SPC SCM- 11 th OCT (2 PM TO 5 PM]		
Jury Name	Designation	Organisation
Mr. Rahul Khamparia	Vice President	RPG Ceat
Mr. Vikas Sharma	Regional Head	Pepperfrv
Mr. Rajasekhara Reddy	Vice President	Glenmark Pharmaceuticals
Mr. Shailesh S Bhalavat	Vice President	Reliance Industries Ltd,(Retail)
Prof. Ravindra Gokhale	Assistant Professor	NITIE

SPC CONSULTANCY- 10 th OCT (2 PM TO 5 PM)		
Jury Name	Designation	Organisation
Mr. Abhishek Kochar	Associate Director	KPMG
Mr. Shubhendu Kumar	Principal	Mj.ebacn Consulting
Prof. Som Sekhar Bhattacharya	Associate Professor	NITIE

SPC FINANCE- 12 th OCT (2 PM TO 5 PM)		
Jury Name	Designation	Orga_nj_sat[on
Mr. Dieant Haria	Assistant Vice President	Antique Stock Broking
Mr. Martin Golla	Managing Director	Sup cap Insolvency Professionals
Mr. Sudarshan Jha	VP and Group Head	SBI Capital Markets
Prof. ViPLi! Kumar Singh	Assistant Professor	NITIE

SPC H R- 13 th OCT (10:30 AM TO 12:00 AM)		
Jury Name	Designation	Organisation
Ms. Sohini Dutt	Director and Head HR	Nivea India
Ms. Sunjta Kanoji.a	HR Manager	HDFC Bank
Ms. Nandini Pal	Vice President	Yes Bank
Ms. Sheetal Deshmukh	HR Manager	Yes Bank
Prof. D KSrivastava	Professor	NITIE

SPC IT- 13 th OCT (10:30 AM TO 12:00 AM)		
Jury Name	Designation	Organisation
Mr. Avinash Velhal	CIO	Atos International
Mr. Anyze Rodrigues	IT Director	PerkinElrner India
Mr. Kiran Komatla	Vice President	Burger King India
Prof. P K Biswas	Associate Professor	NITIE



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, **Capt. Raghu Raman**, Group President, Risk, Security and New Ventures, Reliance Industries graced the event. He shared his words of wisdom and enlightened everyone present with his experience and knowledge.



Cita-De-La Prerana

Cita-De-La Prerana. An event where you get a chance to hear real-life stories about the successful journeys of famous celebrities and interact and get inspired by their experiences. 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, has played host to eminent personalities such as Mr. Prahlad

kakkar, Mr. Rajat Kapoor, Mr. Anurag Kashyap, Ms. Gul Panag, Mr. Dhanraj, Mr. Harry Baweja and Piyush Mishra.

This year, we are fortunate enough to host two of the most accomplished actors of the film industry, Ms. Divya Dutta and Mr. Mohammed Zeeshan Ayyub. 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.



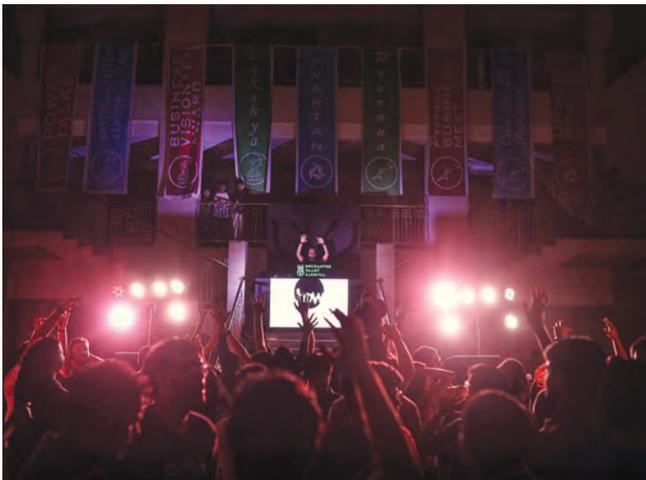
Eminent speakers and guests from the left: Mr. Mohammed Zeeshan Ayyub – Film and Theatre Actor, Ms. Divya Dutta- Film and Theatre Actor





Prerana Decibelz

Prerana Decibelz is the music and dance night of Avartan at NITIE where the musicians, celebrities, singers, DJs enthrall the students with their musical performances. The trailblazers from the world of performing arts and cinema showcases their performance, music legends like Shankar-Ehsaan-Loy, Sona Mahapatra, Anushka Manchanda, Indian Oceans, Euphoria and other big names having performed in the past, Decibelz promises to be a night full of excitement and ecstasy. This year, Decibelz witnessed Terrazak mesmerize the crowd with his beats and music.



An enthralling performance by Terrazak in Prerana Decibelz

JOSH 2017: An inter-college Sports Festival



Josh 2017- 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., 7th-9th, October, 2017.

The event witnessed the participation of the best B-schools across India. NMIMS, KJ SOMAIYA, SJMSOM, SPJIMR 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 2017 was enthralled by the presence of Smriti Mandhana who plays for Indian women's cricket team.



AROHAN 2017:Annual Cultural Festival of NITIE

National Institute of Industrial Engineering, Mumbai organized its annual cultural festival - 'AROHAN' from 7th- 9th October, 2017 under the umbrella of 'AVARTAN'. The event was co-sponsored by K-Lounge, BluJay and Mad Inkers. Adorned by the events like Rendezvous (Fashion Show), Headbangerz Arena (War of Bands), Nukkad Naatak (Street Play), Surkshetra (Singing Competition) and Nrityotsav (Dance Competition), the event was a grand success and raised the bar for coming years.

The festival kickstarted on 7th October 2017 with Rendezvous – the Fashion Show, having participation from NITIE and SJMSOM. The event was graced by the presence of Miss Disha Thakur, a renowned celebrity who was also the judge for the event. Enthusiasm peaked with the commencement of Headbangerz Arena (Band Competition) wherein Albatross, a heavy metal band from Mumbai rocked the stage. Various Bands from different locations in India participated in the event judged by the members of Albatross themselves.



Day 2 of Arohan started with Nukkad Natak (Street Play) wherein the teams from NITIE (Nav-Nirman and Bong Connection) and NMIMS (Rangpunch) captivated the crowd through their soul stirring performances on social and environmental issues. The event was judged by Miss Supriya Joshi, the Creative writer at AIB and Prof. Nikhil Mehta.

The evening of Day 2 saw the events- Surkshetra (Singing Competition) and Nrityotsav (Dance Competition) unfold amid the fully packed auditorium exhibiting myriad talents from various institutes.



Day 3 was entirely dedicated to NITIE students as the administration welcomed new students in the batch fresher. The event comprised of distribution of certificates for the entire student body representing various committees, forums, VPs and secretaries, punctuated by enthralling performances of students through dances, singing and bands. The highlight of the event was the mesmerizing singing performance by Mr. Kunal Bhojewar, winner of Voice of Madhya Pradesh and many national level TV contests. The 3-day extravaganza concluded with the dinner for entire administration and student body.





Other Events at Avartan 2017

Siemens Digital Transformation Challenge

Digital is upending the existing processes and disrupting the way businesses are being done. Digital Transformation is expected to shape the strategy and growth of organizations across business segments. We are on the threshold of a dramatic digital disintermediation driving the operating model for growth and sustainability. Siemens has been a leader in adopting digital and has undertaken a journey towards convergence of its business, people, & all stakeholders. So here is a case that urges the upcoming generation of Technology Managers to brainstorm and generate solutions towards improving the management of project operations.

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 under 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. 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 2017 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 500 registrations. Executive level delegates were on campus to judge the event.

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 500 registrations for the 1st round. The final 7 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 48 teams participated in the 1st round. A total of 8 teams were shortlisted for round 2.

Strategem

Strategem is an amalgamation of Supply Chain Management and Business Strategy. Being organized 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: 'Relevance of behavioral & system based parameters in empowering safety'. This year we had with us a panel of 3 esteemed guests: Abhidnya Joshi, Ehs Head, Cummins, Prashant Kokil, Heas Sustainability and EHS, Tata Projects Ltd.

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.

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. Devesh Chawala, Co-Founder and CEO of "Chatur ideas", conducted the workshop in (NITIE), Mumbai. The learnings from the workshop will help the students pursue entrepreneurship in today's "Start-Up" world. It was an activity based workshop which taught students to create their own business plan and to think strategically.

**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. This year we had the following eminent speakers who shared their story with us in an intriguing manner.

1. **Miss Aarti Agrawal**, Director at Anaxee Digital
2. **Mr. Amit Kumar**, co-founder at Addverb,
3. **Mr. Thiru Kumaran**, co-founder and CEO at Ninjacart,
4. **Mr. Anupam Saurabh**, Founder and solutions head at Machadalo,
5. **Mr. Deepak Dhanotiya**, Founder at Shop Kirana
6. **Mr. Dinesh Goyal**, CEO at Aasan jobs.

Organizing Team of Avartan 2017**Faculty Coordinators:**

Prof. Ashok K. Pundir (Dean Student Affairs, NITIE)

Prof. T Prasad (Professor, NITIE)

Prof. Utpal Chattopadhyay (Associate Professor, NITIE)

Prof. Ravindra Gokhale (Assistant Professor, NITIE)

Prof. Vipul Kumar Singh (Assistant Professor, NITIE)

Prof. (Ms.) Priyanka Verma (Assistant Professor, NITIE)

Student Coordinators:

Sauvik Pramanik

Kartik Khurana

Committees:

Cultural Committee (Arohan)	
Batch (2015-2017)	Batch (2016-2018)
Akash Tyagi	Aditya Rawat
Brinu Augustine	Ashirwad Tomar
Gurpreet kaur	Gopal Krishna Epili
Prakhar Modi	Harshit Pandey
Priyam Tiwari	Janmejai Singh Rathore
Raghav Manchanda	Kartikeya Sharma
Shantnu Kukreja	Nikhil Ojha
Shivanshu Rathore	Ravi Setia
Shree Namah Sharma	Shaista Khana
Sonal Kiran	Shanya Gupta
Sreeram	Shashank Goyal
Supragya Saurabh	Shavika Gangrade
Toshali Mohanty	Tarun Sai Kodali
Vinay Raveendran	Utkarsh Ingle
Vaishali Wasade	Yalini Chaturvedi

Empresario	
Batch (2016-2018)	Batch (2017-2019)
Gaurav Sharma	Tarun Bhambhani
Gaurav Chaudhary	Rishabh Saini
Jaya Choudhury	Jitendra Gothwal
Kapil Wasnik	Prabhakar Sinha
Neekhil Vatsa	Sunchit Aggarwal
Pooja Lekhak	Amit Dagar
Sandeep Agrawal	Gaurav Prajapati
Mohd Shabbir Ali	Keshav Agarwal
Shaifali Bansal	Sachin Suroshe
Shashank Pradhan	Punit Sheladiya



Empresario	
Batch (2016-2018)	Batch (2017-2019)
Shreyaan Kompella	Vikas Rathore
Siddharth Upadhyay	Vipul sangwan
Tejus Kabadiwala	Nitika Arora
Yogesh Kumbhar	Sakshi Agrawal
Gaurav Sharma	Dhiraj Rao

Lakshya	
Batch (2016-2018)	Batch (2017-2019)
Adit Visaria	Akshat Khanna
Amit Pandey	Ch Surya Teja
Ankita Kaushal	Mustafa Ali
Chetan Ambekar	Rahul Trivedi
Karthick Rajamani	Rohit Kumar
Kartik Khurana	Ruchita Namdeo
Kovilapu Jagadeesh	Saivenktramana Guthula
Mahendar Nath Yadav	Sathish Kumar G
Rahul Maggu	Shivam Mehta
Rahul Patel	Shivam Narayan
Rahul Thukral	Shubham Chitode
Shivansh Kansal	T V Sivanandhini
Vishal Audichya	Vivek Dabhade

Prerana Management Group	
Batch (2016-2018)	Batch (2017-2019)
Abdul Vassim Suraj	Aakash Malik
Ashiya Bhuyan	Akshay Bhat
Ashwini Shelar	Ankit Pandey
Boga Vineela Devi	Anurag Vemula

Prerana Management Group	
Batch (2016-2018)	Batch (2017-2019)
Chirag Goel	Disha Ahuja
Durga Prasad Mishra	Gaurab Kar
Harish JP	Mishu Munjal
Niraj Nawghare	Preetinder Singh
Ompriya Tripathi	Rahul Gupta
Raghav Sandhu	Sahil Madan
Rahul Kumar	Saumya Tripathi
Revanth Kaza	Shweta Yadav
Ritwiz Shukla	Sravan Boyina
Sauvik Pramanik	Sreeram Sarath Putta
	Tanmoy Chakroborty

Sports Committee (Josh)	
Batch (2015-2017)	Batch (2016-2018)
Sayantana Chatterjee	Abha Giri
Prerna Singh	Abraham R
Anjali Nigam	Angesh Jha
Chiluka Saikrishna	Anurag Kakati
Roshan Singh	Arnab Sarkar
Avanit Kaushal	Gaurav Gopal
Ankur Seth	Ishneet Kaur Acharya
Rohan Sharma	Jyoti Rani Nag
Ruby Gangwar	Nauman Vadnagarwala
Aditya Pratap Singh	Ratish Narayan
Arush Sharma	Sagnik Upadhyay
Ashish Mangal Dungdung	Shyam Bibyan
Atul Singh	Vipul Gandhi

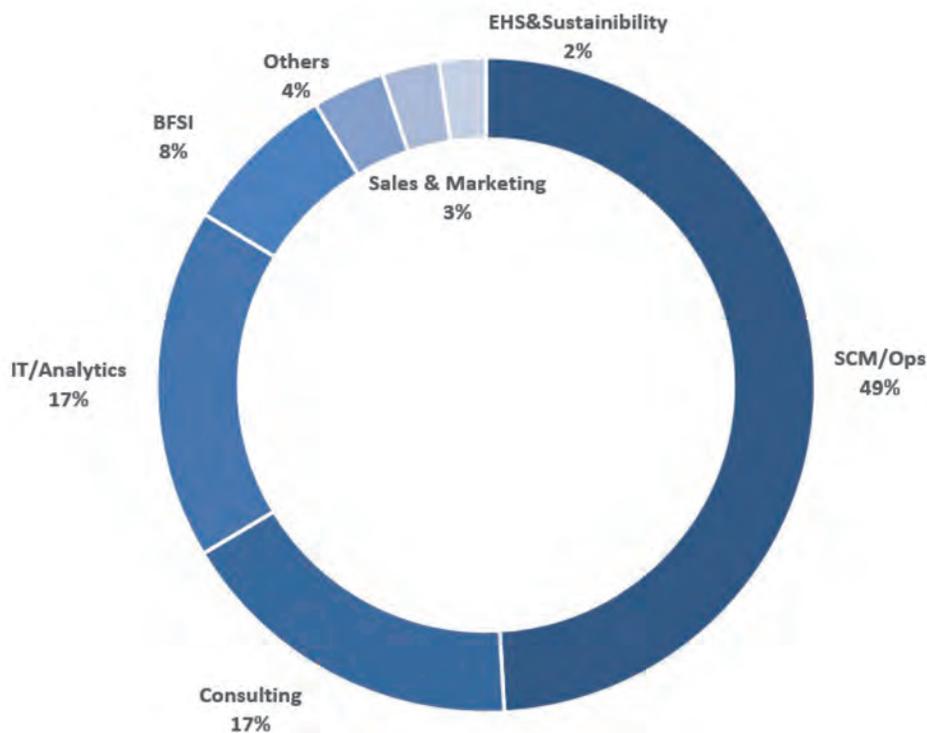


PLACEMENT



Final Placement Summary

The strength of any program can be evaluated by the diversity of profile that is on offer, for the candidates. The diversity of roles that were available for the students stands as a testament to the fact that NITIE has one of the popular General management programs of the country.



This year has seen a substantial increase in the number of first time recruiters visiting the campus. The median compensation has remained at 17 LPA this year.

This season saw the continuing strong-hold of the institute in the domain of Supply Chain and Operations with 117 offers. Consulting and IT/Analytics were not far behind and their contribution remained overwhelming with 125+ offers combined . 34% of the Batch opted for careers in these two domains. Finance has developed a solid base at NITIE with a strong turnout of companies offering 50+ roles.

Another positive trend was the increase in the number of Companies Offering Sales and Marketing Profiles. Coveted Recruiters like Maruti Suzuki, VMWare, Kotak Mahindra Bank, Honeywell offered roles in this domain to the candidates. EHS, Project Management and Manufacturing Management has now proven to be the unique specialty here at NITIE as the batch drew a plethora of recruiters and found its right stronghold.



24 CONSULTING

46.5 E-COMMERCE

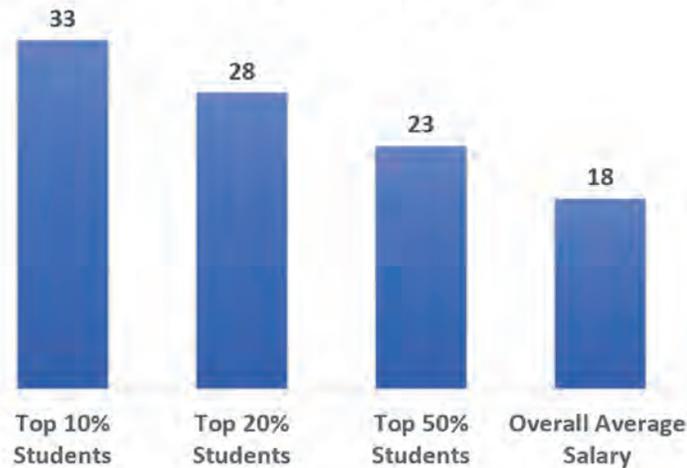
29 FMCG

32 IT

27 LOGISTICS

55 RETAIL

Average Salary (In Lpa)





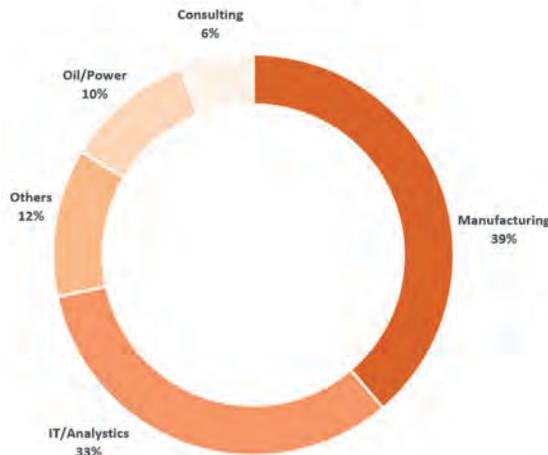
Batch Of 2018

NITIE, true to its legacy, draws talent from a multitude of work experience backgrounds. The Class of 2018 was a perfect blend of fresh graduates and experienced professionals. It was a set of students from diverse engineering backgrounds coming from prestigious institutes like IITs, NITs, BITS Pilani etc.

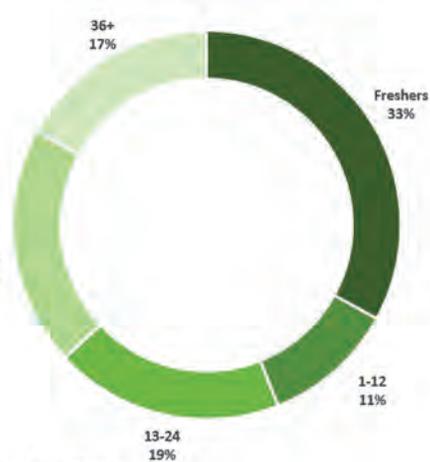
401
BATCH
SIZE

21
AVG WORK
EXPERIENCE
(IN MONTHS)

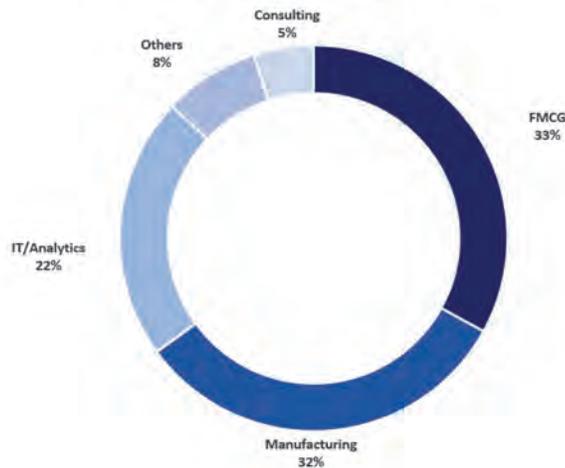
Function Wise Experience



Work Experience (Months)



Internship Statistics Sector Wise





CENTRE FOR STUDENTS ENTERPRISE (NCSE)

Vision of NCSE at NITIE Mumbai is to promote student enterprises as part of academic curriculum. Part of this mission, NCSE arranged real world one day startup experience called Maha Mandi to NITIE Students on 6 Aug 2017. Around N = 550 NITIE students participated in this enterprise experience.



Happy students participating in Maha Mandi program during Aug 2017

Further, NCSE lead an elective course titled - Entrepreneurship Development to N = 60 NITIE students.

NCSE was instrumental in mentoring five of the NITIE students to carry out six months final project as ENTERPRISE EXPERIENCE project. Further, Centre has encouraged NITIE students to participate actively in several B Plan competitions and my story sessions.

PHYSICAL FACILITIES AND INFRASTRUCTURE



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**PHYSICAL FACILITIES AND INFRASTRUCTURE:****ESTATE****Annual report of Estate Section (01.06.2017 to 31.03.2018)****1) Works in progress**

Sr.No.	Name of Work
1.	Replacement of AC rain water pipe with PVC pipe at Gilbreth Hall.
2.	Annual maintenance and service contract for 11 nos. On-line UPS
3.	Providing partition at old library for creation of cabin for AR (Stores)
4.	Painting to Dining Hall of Pragati Vihar
5.	Providing name board for centres
6.	Painting to staircase lobby, passage at 2 nd , 3 rd , 4 th floor room no. 303 of OCA building
7.	Annual operation of Organic Waste Converter
8.	Painting to Registrar office cabins at Academic building ground and first floor
9.	Repairs to flat no. 7 of Type-IV building
10.	Annual maintenance contract for 28 nos. AG-200 UV Aqua Guard water purifiers
11.	Renovation of kitchen at Vikram Sarabhai Hall
12.	Purchase of various material for operating fire hydrant system, sprinkler system and addressable alarm system at Taylor Hall and Academic cum Library Building on Auto mode
13.	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.
14.	AMC for 04 nos. lifts at Taylor Hall.
15.	AMC for air conditioners and water coolers.
16.	AMC for 12 nos. Air Circuit Breakers.
17.	AMC for 16 nos. 60/80 water coolers and 01 no. AGCCP Aquaguard water purifier.
18.	Non-comprehensive AMC for hydro pneumatic system at main reservoir, Taylor Hall and ALB.
19.	Annual operation contract for HVAC plant (high & low side) at ALB.
20.	Non comprehensive operation of central HVAC plant at ALB.
21.	Comprehensive AMC including spares parts & labour with oil & refrigerant of HVAC plant at ALB.
22.	Annual maintenance & service contract for 750 kVA D.G. Set.
24.	Annual maintenance and service contract for lifts at ALB
25.	Annual maintenance and service contract for window and split air conditioners and water coolers.
26.	Supply of casual labourers for various activities in NITIE campus.

**2) Works completed**

Sr.No.	Name of Work
1.	Providing M.S. grills to residential quarters.
2.	Waterproofing at 6 th floor chajja of ALB terrace.
3.	Providing shower partitions at toilets of suite 9 & 10 of Anand Vihar Guest House.
4.	Replacing flooring of suite no. 9 & 10 including replacing of toilet tiles, removal of bath tub at Guest House (Anand Vihar).
5.	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).
6.	Providing fencing at watchman quarters in front of S & T office and Garrage.
7.	Providing fencing around open plot at Shiv Temple area.
8.	Replacing damaged pipeline and providing plumbing fitting at suite no. 9 & 10 of Anand Vihar (Guest House).
9.	Providing mosquito net aluminium window at dining hall of Taylor Hall hostel building.
10.	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).
11.	Internal painting to Type-II (17-32), Type-II (33-44), watchman quarters.
12.	Shifting of Academic section to Syndictae Room No. 1
13.	Repairs and internal painting at old library
14.	Anti-termite treatment of accounts section, ergonomics lab near Type-II (33-44), SRIC section, Director's office, Admn. Bldg. II 101 and 6 th floor ALB.
15.	Providing venetian blinds for windows at syndicate room no. 1 and classroom no. 4
16.	One coat painting of Type-V/16, Type-IV/05
17.	One coat painting of Type-V/14, Type-IV/18
18.	Internal painting to recreation room of Vikram Sarabhai Hall
19.	Replacing flooring at suite no. 3,4,5,10,8,11, external painting & internal painting, internal patch painting at Guest House (Anand Vihar), NITIE (additional work), painting of suite no. 9, 10 and Director's suite.
20.	Fogging treatment at NITIE campus surrounding of all hostel buildings, residential buildings and office buildings
21.	Providing shower partitions at toilets of suite 9 & 10 of Anand Vihar Guest House.
22.	Internal painting to 19 rooms at PGPH-II
24.	One coat painting to Type-V/17, 8, 31
25.	Repairing damaged pipeline and providing plumbing fittings at suite no. 11 of Anand Vihar
26.	Internal one coat painting to ground floor, first floor rooms and second floor at Pragati Vihar.



Sr.No.	Name of Work
27.	Providing name of Board of Directors and Chairmen tenure
28.	Providing and fixing PVC flooring for suite no. 9,10,11 & 12 of Anand Vihar
29.	Providing partitions for toilets of suite no. 11 & 12 of Anand Vihar
30.	Applying raincoat paint on side wall and rear wall of Type-V/17-22 bldg.
31.	Repairs at placement cell
32.	Providing decorative mirror and minor repairs at suite no. 9, 11, 12 at Anand Vihar
33.	Polishing to notice boards
34.	Polishing to 2 nos. podium.
35.	Repairs to post office.
36.	Raising of chambers at Transit building.
37.	Raising of chambers providing MS grating and brickwork at Type-II (1-16) building.
38.	Providing approach road to parking behind transit bldg. & plinth protection to transit bldg. & Type-II (1-16).
39.	Patch repairs to water proofing treatment at campus bldgs.
40.	Waterproofing of MDP canteen terrace
41.	Providing and fixing waterproof tarpaulin sheet on hire for monsoon period on terraces of placement and old library stack room, canteen staff room.
42.	Creation of Centres at OCA building.
43.	Construction of shed for OWC comprising of hollow section truss.
44.	Supply and installation of Organic Waste Converter (OWC).
45.	Shifting of Estate section to old Accounts section.
46.	Supply and installation of LT cable for OWC shed.
47.	Painting of kerb stone along the road from new gate to OCA building.
48.	Replacement of corroded plumbing line and installation of gate valve.
49.	Providing vitrified flooring at placement office at NITIE.
50.	Providing and fixing carpet and internal painting of classroom no. 404 (VLFM).
51.	Repairs and painting of office of placement cell and washroom.
52.	Providing partitions and frosted films at placement office.
53.	Painting of flat no. 18 Type-V Narmada Building.
54.	Painting to classroom no. 405 ALB building.
55.	Internal painting to classroom no. 203 at OCA building.
56.	Providing built in wall cupboard at Narmada building flat no. 18 (Type-V).
57.	Providing partitions at proposed Estate section (old Accounts section).



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 full 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.

Consent to Operate (First) approved by MPCB.

Full Occupation Certificate obtained.

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.
 - 22) Breach of fencing reported by security, police complaint filed.
 - 23) Notice issued for eviction.
 - 24) Case filed by Mr. Harishankar Sarjuprasad Pandey against the Institute regarding Rameshwar temple and 14 rooms.
 - 25) Director met the DMC (Special) (Removal of encroachment) MCGM regarding removal of encroachments from the Institute land.
 - 26) Notice regarding illegal construction issued to Shri. Tatyrao Ambhure.
 - 27) Notice regarding illegal construction issued to Shri. Dileep Kshetri.
 - 28) A survey being carried out by Slum Rehabilitation Authority (SRA) of Govt. of Maharashtra of the slums on Government land.



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) **Counsellor:** Being understand the academic pressure and hectic work schedule, the service of one qualified counsellor 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 fledged ready Ambulance is been hired on contract and made available for 24X7 to NITIE Community.
- 10) **One Residential Part-time Doctor** stays in Campus and attends emergency.

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 outsourced the security work from Maharashtra State Security Corporation (MSSC). The security personnel always on high alert on security point of view. NITIE has 63 acres of land and its surrounding has been dwelled by encouraged dwellers which is a challenging job to security personnel. The encroachers, time and again involved in extension of construction with the present occupied structure which need high vigilance and prevention. Whenever such incidents take place the security personnel deployed in NITIE Premises take up the matter with BMC and Powai Police Station for legal course.

The security personnel deployed in NITIE Premises Patrols 24x7 including encroached land of NITIE. At present there are 8 designated posts spread across NITIE Campus.

NITIE has one bus under the control of Transport Section which caters to the needs of various student activities.

The Transport Section is under the supervision of Superintendent (Security & Transport), Dy. Registrar (Admn)/S&T, Registrar and Professor In-Charge (S&T)

VISITS, WORKSHOPS AND CONFERENCES

a. Foreign Experts visits to NITIE



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FOREIGN EXPERTS VISITS TO NITIE

National Institute of Industrial Engineering (NITIE) Mumbai is well known for keeping the pace with new technology and adopting it into its curriculum to give an edge to students and make them future ready. NITIE is making this happen by continuous interaction of students with global industry leaders as well as recognized academicians. In the year 2017 - 18, NITIE maintained its legacy by hosting foreign experts from industry and academia from USA, Singapore and Australia.

Mr. Rakesh Kumar, Director of Practera presented the demo of Practera at NITIE on 29th October 2018. Practera is a software platform of Intersective which is an Australian experiential edtech company. It is transforming education and training globally that enable employers, students and educators to work together. Mr. Kumar shared his insights on practical applications of Practera in innovative learning for management students. Students and faculties of NITIE liked the idea of customized learning provided by Proctera by a collaborative tool. Mr. Kumar has vast experience in marketing and operations area with companies like Pidilite, ITW India Limited. He has more than 10 years of experience in heading the educational institutes like Next education India Pvt ltd and RCEO. Mr. Ashish Chandra, Professor at University of Houston clear lake- Texas shared his wisdom with fellow students at NITIE on 16th August 2018. Mr. Chandra is a well-known academician in healthcare administration globally and serves on advisory boards of several educational institutes of Turkey and India. He has almost 75 publications in journals, 2 edited books, 10 book chapters and over 250 publications in conference proceedings. He has also served as a president of 4 major international academic organizations and program chair of over a dozen international conferences. NITIE had organized a session on 8th August 2018 with Zachary Burt

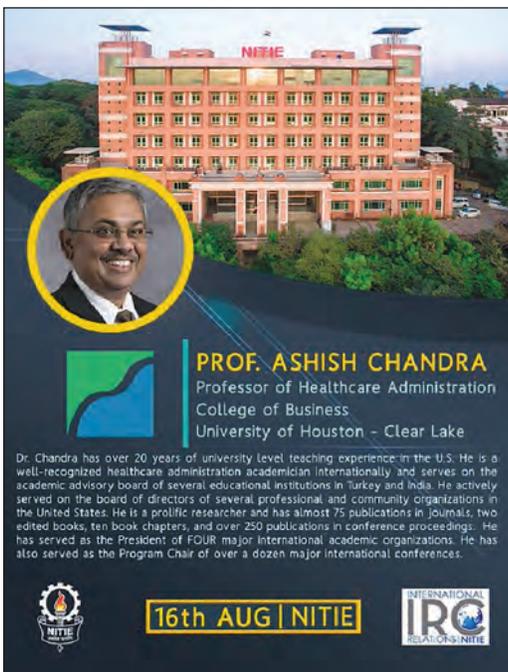
of Columbia University, New York; on innovative Thinking and Interdisciplinary Research: Wicked problems and Creative solutions for Water and Sanitation from around the World. Zachary Burt earned his PhD at the Energy and Resources Group at the University of California, Berkeley in 2015. Mr. Zachary researches efficient, effective and equitable ways of incorporating climate risk into urban water management policy in low income countries, especially focusing on water and sanitation access for marginalized groups. He has researched the costs and benefits of urban water service improvements, willingness to pay for household water treatment and gender inequities in sanitation access. He has conducted field research and assessed urban water policies in California, India and Kenya. Mr. Jayesh and Mr. Jonathan also visited NITIE on August 2018. Jayesh Dadlaney is a Senior Public Affairs Specialist with two decades of experience in Public Diplomacy, Program Management, Research, Marketing, Networking and Relationship Building, Administration, Budgeting, and Operations. Jonathan Hwang is serving in Consulate General Mumbai as a Public Diplomacy Officer. Previously served in Consulate General Ho Chi Minh City as a Political Officer and Consulate General Shenyang, China as a Consular Officer. NITIE had signed an MOU with University of Pittsburg, USA in December 2017. Professor Bopaya Bidanda Professor and Dean, Department of Industrial Engineering at the University of Pittsburgh share his insights and interacted with faculties of NITIE. Mr. Bidanda is currently Earnest. E Roth Professor and Chairman of Department of Industrial Engineering at University of Pittsburg. He is also a senior member of the Society of Manufacturing Engineers and a Fellow of the Institute of Industrial Engineering. He has helped found the Manufacturing Assistance Center, Automated Data Collection Laboratory, and



more recently the Swanson Center for New Product Innovation at Pitts. Major focus of his research area is group technology, reverse engineering, cellular manufacturing, product development, human issues in manufacturing and manufacturing modernization. He has co-published two books with McGraw Hill in addition to over 100 papers in international journals and conference proceedings. Mr. Natesan Raman, Adjunct Professor at NUS in the area of engineering and technology management and CEO of Cardinal group Pte Ltd had delivered a guest lecture at NITIE on 6th November 2017. Mr. Ramesh is also a founder, past CEO and director of Quikjet Cargo Airlines. He did his MBA from Stanford Business School, Stanford University USA and Ph. D in the area of Strategic Marketing Management from Harvard Business School. On 4th August 2017, Eric VandeVoorde, Director of Professional Engineering Master's Programs in the College of Engineering at Purdue University in West Lafayette, IN interacted with NITIE students and faculty to discuss options for collaboration between the two institutes. He has worked in higher education for 13 years in a wide variety of professional capacities, including graduate program administration, industry relations, development, career services, student leadership, admissions and recruitment, and more. Mr. VandeVoorde is currently pursuing his Ph.D. in Global Leadership, with a concentration in Academic Administration, through an accredited program at Indiana Tech in Fort Wayne, IN.



Mr. Rakesh Kumar at NITIE campus



Mr. Ashish Chandra at NITIE Campus



NITIE WELCOMES



Jayesh Dasthane
Program Manager, Public Affairs
U.S. Consulate General, Mumbai

Dr. Zachary Burt
Postdoctoral Research Fellow,
Columbia University, New York

Jonathan Hwang
Asst. Cultural Affairs Officer,
U.S. Consulate General, Mumbai






PROF. BOPAYA BIDANDA
DEPARTMENTAL CHAIR,
ERNEST F. ROTH PROFESSOR OF
INDUSTRIAL ENGINEERING

DEPARTMENT OF INDUSTRIAL ENGINEERING
UNIVERSITY OF PITTSBURGH

Bopaya Bidanda is currently the Ernest F. Roth Professor and Chairman of the Department of Industrial Engineering at the University of Pittsburgh. His research is in the area of manufacturing systems with a special focus on Group Technology, Reverse Engineering, Cellular manufacturing, Lean Manufacturing, Human Issues in Manufacturing, Product Development, and Manufacturing Modernization. He has helped found the Manufacturing Assistance Center, the Automated Data Collection Laboratory, and more recently the Swanson Center for New Product Innovation.

20th DEC | NITIE




Mr. Bopaya Bidanda addressed NITIE students and faculties

Mr. Zachary Burt shared his wisdom with NITIE students and faculties




Natesan Ramesh
Adjunct Professor at NUS
In the Division of Engineering and Technology Management
CEO of Cardinal Group Pte Ltd.
Founder, Past CEO & Director of Quikjet Cargo Airlines
MBA - Stanford Business School, Stanford University, USA
Strategic Marketing Management - Harvard Business School




Mr. Natesan Ramesh shared his

NITIE students had meaning conversation with Mr. Eric VandeVoorde

NITIE ALUMNI ASSOCIATION



Annual Report 2017 - 18



NITIE ALUMINI ASSOCIATION

A. Annual General Body Meeting:

NITIE Alumni Association organized 33rd Annual General Body Meeting on 11th November, 2017, at NITIE, Mumbai. The members discussed about the various activities of NAA and also shared their views. Annual Statement of Account for the year 2016-2017 was passed by the members.

Following is the list of Executive Committee Members for year 2017-2018

President: Prof. (Ms.) Karuna Jain, Director, NITIE.

Chairman: Mr. Dev Bhattacharya

Vice-Chairman (PGP): Mr. Srini Madala

Vice-Chairman (MDP): Mr. R.N.Mohanty

Hon. Secretary: Prof. (Ms.) Sumi Jha

Hon. Treasurer: Prof. Rakesh Raut

Prof-In-Charge Prof. Rakesh Raut

Zonal Representative:

West Zone (PGP): Mr. D.V.Karande West

Zone (MDP): Mr. S.V.Devdhar

East Zone (PGP): East Zone (MDP): -

North Zone (PGP): North Zone (MDP): -

South Zone (PGP): South Zone (MDP): Lt.Co. (R) Rameshwar Naik

The Annual General Body Meeting was attended by 64 members of NAA, NITIE Faculty members and students representatives. Sansmaran was attended by 319 members.

B. Alumni Activities:

1. Felicitation:

a) Distinguished Alumnus Awards were given to the outstanding alumni in the year

2017, Distinguished Alumni Award was given to Mr. R.Suresh, Mr.Srinivasa Rao Madala and Mr. Chintamani S Sohoni. In the year 2017 a new award Promising Young Alumnus Award was instituted by NAA. The first Promising Young Alumnus award was given to Mr. Mayank K Shekhar and Mr. Vivek Sharma during Annual Alumni Meet Sansmaran, on 11th November, 2017.

b) Following PGP, Fellowship and MDP participants were felicitated during Sansmaran, on 11th November, 2017

Following batches to be felicitated:

- a) 40 years of completion (PGDIE 5 Batch)
- b) 25 years of completion (PGDIE 21 Batch) – Silver Jubilee Batch
- c) 10 years of completion
 - (i) PGDIE – 35
 - (ii) PGDIM – 12
 - (iii) PGDISEM - 5
 - (iv) Fellow Students – Completion year 2007
 - (v) MDP Participants – Completion year 2007

2. Regional Alumni Meets at various cities like Bangalore, Delhi, Mumbai, Kolkata, Pune, Chennai and Hyderabad was organized during April-May 2017

3. Interaction with alumni through alumni website (www.nitiealumni.org) and networking sites like Yahoo group, Google group, LinkedIn, and Facebook etc.



4. Involving alumni in institute administration as Members of Board of Governors and Academic Council of NITIE.
5. NAA explore the opportunities for project and placements to the current students through alumni in their Organizations.
6. NAA organizes periodical guest lecturers of alumni and interaction with students to develop their knowledge base.
7. Prof. (Ms.) Karuna Jain, Director & President NAA released "AlumNiti" the alumni magazine on 11th November, 2017 at the Annual Meet "Sansmaran"- 2017.
8. Institute involved various alumni to be part of admission process of PGDIM/ISEM/IE/MM/ PM Courses. This was initiated to get industry perspective at the time of student admission.
9. **Faculty Award/Student Ragan & Madala Scholarship, was Given on 11th November, during Sansmaran' 2017:**

Best faculty award for special contribution to society /student community sponsored by

Mr. Dev Bhattacharya was given to following faculty:

1. Prof. Ashok K Pundir
2. Prof. Hema Date

Best faculty award for excellence in research sponsored by Dr. Rakesh Agrawal was give to Prof. K. Maddulety.

Ragan Scholarship award sponsored by Mr. Ashwin Rangan was given to following students:

1. Ms. Ritika Sachan
2. Ms. Ishneet Kaur

Madala Scholarship award sponsored by Mr. Srini Madala was given to following students:

1. Mr. Sashil Dath
2. Mr. Amit Batra

Executive Committee Meeting:

NITIE Alumni Association organized Executive Committee Meetings on 07th April, 2017, 24th August, 2017 and 15th February, 2018 at Mumbai.

Membership Position: As on 31.03.2018

Membership Position: Total Membership: 7953 (PGPs: 5718 MDPs: 2165 Fellows: 70)

INSTITUTE EVENTS

- a. XXIII Convocation – NITIE
- b. Hindi Implementation



XXIII CONVOCATION – NITIE

On 23rd September, 2017, National Institute of Industrial Engineering (NITIE) came alive with celebrations, as the Institute honoured the graduating class of students at the XXIII Annual Convocation Ceremony. The event was graced by Dr. Satyapal Singh, Hon'ble Minister of State for HRD (Higher Education), Government of India, was the Chief Guest and the Guest of Honour Shri Anant J. Talaulicar Chairman and Managing Director, Cummins India ABO. 401 students of PGDIE-XLV, PGDIM-XXII, PGDISEM-XV, PGDMM-II and PGDPM-II Batches have been awarded Degree/Diploma certificates and 22 students have been awarded Fellow of NITIE.



HINDI IMPLEMENTATION

OFFICIAL LANGUAGE ACTIVITIES:

1. HINDI WORKSHOP (April-June, 2017) :

A one day Hindi Workshop (April-June, 2017) was organised in NITIE on 22nd June, 2017. Seven Officers & Six Employees of the Institute participated in it. The eminent personalities working for the progress of Hindi delivered lectures on various subjects. Dr. Utpal Kumar Debnath, Shri RL Samota, Mrs. Bhagyashree Korday, Mrs. Sangita Jadhav, Shri PT Sudrik, Shri Ramotar Kumawat, Shri AK Vishwakarma, Shri RS Rawool, Mrs. Reshma Tare, Shri DA Sawant, Shri YN Thombare, Shri Prabhakar Parab and Shri Anand Ware were present in this workshop. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.

2. HINDI WORKSHOP (October-December, 2017) :

A one day Hindi Workshop (October-December, 2017) was organised in NITIE on 15th December, 2017. Nine 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 LK Thopate, Mrs. Jyotsna Naik, Shri VA Patankar, Shri RA Sawant, Shri AM Dhoble, Shri AP Gadikar, Shri Ramsingh Rawat and Shri Sanjay Rane were present in this workshop. Md. Aftab Alam, Hindi Officer, NITIE conducted the programme and gave vote of thanks.

3. HINDI WORKSHOP (January-March, 2018):

A one day Hindi Workshop (January-March, 2018) was organised in NITIE on 15th February, 2018. Nine Employees of the Institute participated in it. The eminent personalities working for the progress of Hindi delivered lectures on various subjects ie. Official Language Management, Hindi

& Economic Development, Defined Terminology & Translation, Problems and Remedies of Grammar and Spelling in Hindi etc. Shri K Yeshwantha Rao, Mrs. Suchita Bedekar, Shri Ramotar Kumawat, Mrs. Sampada Samant, Shri R Ramnath, Shri SH Subramanian, Mrs. Rajani Kadge, Shri SA Naik and Shri Anand Ware were present in this workshop. Md. Aftab Alam, Hindi Officer, NITIE conducted the programme and gave vote of thanks.

4. HINDI "PARANGAT" TRAINING COURSE (Jan-May, 2017)

Eighteen 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 January-May, 2017 session. The name of participants are: 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



Photo Caption-1 : A scene of Hindi "PARANGAT" Training Course (Jan-May, 2017).



Shri Mahesh Rane. Md. Aftab Alam, Sr. Translator (Hindi) conducted the training programme and gave vote of thanks.

5. HINDI “PARANGAT” TRAINING COURSE (July-Nov, 2017)

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 July-November, 2017 session. The name of participants are: Shri Prashant Salunkhe, Shri K Harikutty, Shri SR Rasal, Shri AK Vishwakarma, Mrs. Vandana Parkhal, Mrs. Reshma Tare, Shri Rajesh Lad, Shri JB Desai, Shri DA Sawant, Shri Dipesh Rawool, Shri PB Parab, Shri SV Parab, Mrs. Veena Parab, Shri Nitin Devikar and Shri Ramchandra Gawas. Md. Aftab Alam, Sr. Translator (Hindi) conducted the training programme and gave vote of thanks.



Photo Caption-2 : A scene of Hindi “PARANGAT” Training Course (July-Nov, 2017).

6. BASIC COMPUTER TRAINING (31st July to 4th August, 2017):

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 31st July to 4th August, 2017. Prof. (Ms.) Vijaya Gupta, Dean (Acad), 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.

Total 18 employees of the Institute participated in it. Mrs. Pratima Dabholkar, Programmer, NITIE and other eminent personalities working for the progress of Hindi and Information Technology delivered lectures on various subjects. Mrs. Gracy Ravi, Shri Prashant Goswami, Shri BT Havelikar, Mrs. Shobhana Suresh, Shri Ramotar Kumawat, Shri Mahavir Darure, Shri R Ramnath, Mrs. Jyotsna Naik, Mrs. SS Thosar, Shri LV Verthe, Shri Vijay Yadav, Shri Atul Dhoble, Mrs. Archana Padman, Mrs. Veena Parav, Shri Abhijeet Pathade, Mohd. Aftab Alam, Shri Rakesh Kumar Saw and Shri Satyavan Redkar were present in this Training. Prof. D.K. Srivastava, Professor, NITIE and Prof. (Mrs.) Purnima Sangale, PIC (Computer Centre) addressed the participants and distributed the Certificates. Md. Aftab Alam, Sr. Translator (Hindi) conducted the programme and gave vote of thanks.



Photo Caption-3: Prof. D.K. Srivastava, Professor, NITIE; Prof. (Mrs.) Purnima Sangale, Professor & PIC (Computer Centre) and Md. Aftab Alam, Sr. Translator(Hindi) with the participants of Basic Computer Training.

7. BASIC COMPUTER TRAINING (1st to 5th January, 2018):

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 1st to 5th January, 2018. Prof. (Ms.) Purnima Sangle, Professor & PIC (Computer Centre), 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.

Total 19 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. Shri H K Sapre, Shri K Harikutty, Shri R A Sawant, Shri Y N Thombare, Shri A P Gadikar, Shri N D Wankhade, Shri S D Desai, Shri Prashant Salunkhe, Mrs Sampada Samant, Shri Rajesh V Lad, Mrs. Sushama Bele, Shri D A Sawant, Shri Dipesh Rawool, Mrs. Reshma Tare, Mrs. Sumathi Nair, Shri S V Parab, Shri P S Shivaprasad, Shri Mahesh Rane and Shri M Bhoominathan were present in this Training.

Prof. D.K. Srivastava, Professor, NITIE and Prof. (Mrs.) Purnima Sangle, PIC (Computer Centre) addressed the participants and distributed the Certificates on 5th January, 2018. Md. Aftab Alam, Hindi Officer conducted the programme and gave vote of thanks.



Photo Caption-4: Prof. D.K. Srivastava, Professor, NITIE; Dr. Anant Shrimali, Asstt. Director, Deptt. of Official Language, Ministry of Home Affairs, Govt. of India and Md. Aftab Alam, Hindi Officer, NITIE with the participants of Basic Computer Training.

8. HINDI FORTNIGHT CELEBRATIONS -2017

NITIE celebrated Hindi Fortnight from 1st September to 15th September, 2017. on 1st September, 2017 Self written Poetry competition was organized, chaired by Shri R.L. Samota, DR(Admn), 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, 2017. On this occasion, 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. The Valediction & Prize Distribution Programme of Hindi Fortnight will be held in November, 2017.



Photo Caption-5 : Guest Judge Dr. Rajnikant Mishra presenting the Poetry on the occasion of Self written Poetry competition.

9. O.L. SEMINAR & HINDI FORTNIGHT PRIZE DISTRIBUTION PROGRAMME - 2017

NITIE celebrated Hindi Fortnight from 1st September to 15th September, 2017. Questionnaire, Cross Word, General Knowledge / Science, Dictation, Noting writing, Memory Power, Hindi Typing, Hindi Stenography, Self written Poetry, See & Write



Legibly, Essay Writing, etc were organised on this occasion for Faculty Members, Officers, Staff and Students. On 21st November, 2017 in the Valedictory function and Official Language Seminar, the prizes & letters of appreciation to about 150 winners of various Hindi competitions were distributed. On this occasion, Shri LK Thopate, Compounder was honoured for “Best Hindi Co-ordinator” for the year 2016-17.

At the valedictory function, Chief Guest Dr. Umakant Bajpai, Director, Aashirwad congratulated the winners of the competitions of Hindi fortnight and appreciated to all for regular use of Hindi.

Prof. Ashok Pundir, Professor, 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 Shri Rakesh Kumar Shaw, Jr. Hindi Translator proposed vote of thanks.



Photo Caption-6 : On dias- Dr. Umakant Bajpai, Director, Aashirwad with Prof. Ashok Pundir, Professor, NITIE; Dr. Utpal Debnath, Registrar, NITIE and Md. Aftab Alam, Sr. Translator (Hindi), NITIE.

10. HASYA KAVI SAMMELAN

NITIE has organised a Hasya Kavi Sammelan

on the eve of 21st September, 2017 on the occasion of Foundation Day of the Institute. Laughter Champion and well kown Hasya Kavi Shri Ehsan Qureshi; Shri Suresh Mishra, Shri Surendra Yadvendra and Mrs. Suhana Naaz presented their poems. Prof. (Mrs.) Karuna Jain, Director, NITIE was present on this occasion.



Photo Caption-7 : Prof. (Mrs.) Karuna Jain, Director, NITIE along with Shri Ehsan Qureshi, Shri Suresh Mishra, Ms. Suhana Naaz, Dr. Utpal Debnath (Registrar) and Md. Aftab Alam, Sr. Translator(Hindi), NITIE on the Dias.

11. SPECIAL MEETING WITH DIRECTOR(OL), MHRD, GOI.

A special meeting of Official Language Implementation Committee and Hindi Co-ordination Committee was conducted at NITIE on 27th December, 2017 at 11AM at Director’s Conference Room. Ms. Suniti Sharma, Director (OL), Ministry of HRD, Govt. of India, New Delhi discussed with the Committee Members and gave their opinion regarding Official Language Implementation in the Institute.

Prof. Vivek Khanjode, Assoc. Professor and Registrar I/c, Prof. Seema Unnikrishnan, Professor and Dean(Admn); Prof. Nikhil Mehta (Assoc. Professor), Mrs. Bhagyashree Korday (LIO), Mrs. Sangita Jadhav(AR), Mrs. Nisha Singh (AR), Shri Arun Vishwakarma(JE), Shri Prashant Goswami(ALIO), Shri Ramotar Kumawat(Supdt), Mrs. Sumathi Nair (Supdt) Mrs. Sampada Samant



(Sr. Steno), Shri Prashant Salunkhe (Accounts Officer), Mrs. Jayashree Nair(Supdt), Mrs. Sulbha Tupe (Asstt.) were present on this occasion. Md. Aftab Alam, Hindi Officer conducted the meeting and gave vote of thanks.



Photo Caption-8: Ms. Suniti Sharma, Director (OL), Ministry of HRD, Govt. of India, New Delhi addressing the Members of Official Language Implementation Committee and Hindi Co-ordination Committee.

12. OFFICIAL LANGUAGE AWARD / HONOUR

(i) RAJBHASHA SHIELD to NITIE

Ministry of HRD, Govt. of India, has awarded 2nd prize of “Rajbhasha Shield” for the outstanding implementation of Official Language Hindi for the year 2015-16 in “B” Region. Prof. D.K. Srivastava, Professor, NITIE received this prestigious award from Dr. Mahendra Nath Pandey, Minister of State for Human Resource Development, Govt. of India on behalf of the Institute on the occasion of Hindi Advisory Committee Meeting organized by the Ministry at Vigyan Bhavan, New Delhi on 22nd May, 2017. On this occasion, Md. Aftab Alam, Sr. Translator (Hindi) was present.

The Official Language Department, Ministry of HRD, Govt. of India invites entries for Rajbhasha Shield in which Central Govt. Offices / Institutions / Undertakings etc. through out India send their Hindi Implementation Reports and out of which it

is a matter of pride & pleasure that NITIE has been chosen for this prestigious award.

It's worth noticing that earlier NITIE had been honoured two times with “Third prize of Rajbhasha Shield” for the year 2013-14 and 2014-15 for the excellent implementation of Official Language Hindi in the Institute. Prof (Ms.) Karuna Jain, Director of the Institute expressed this as a great achievement for NITIE & reiterated the commitment to speed up Hindi Implementation in the Institute in coming years.



Photo Caption-9: Prof D.K. Srivastava, Professor, NITIE, receiving the “Rajbhasha Shield” by Dr. Mahendra Nath Pandey, Minister of State for Human Resource Development, Govt. of India.

(ii) AASHIRWAD RAJBHASHA HONOUR to MRS. BHAGYASHREE KORDE, LIO

Awarded with “Aashirwad Rajbhasha honour” for carrying out excellent work in Official Language Hindi in the Institute. She was honoured with Shawl, Bouquet and Memento by Shri Hemant Bhargava, MD, LIC of India and Shri Rajeev Tandan, Chief Commissioner of Customs, Mumbai Zone-1 in a Special Programme organised by Aashirwad on 27th September, 2017 at Indian Customs Duty, Zone-I, Fort, Mumbai. On this occasion, Shri Qaiser Khalid, Director General of Police, Dr. Umakant Bajpayee, Director, Aashirwad, etc were present.



13. O.L. IMPLEMENTATION COMMITTEE MEETINGS

Four “Official Language Implementation Committee” meetings were held on 16.06.2017, 28.08.2017, 29.11.2017 and 28.02.2018 during the year 2017-18. Prof. Karuna Jain, Director, NITIE & Chairperson of the Committee presided over the meetings. The Committee discussed in detail and appropriate decisions were taken regarding the implementation of Official Language Hindi in the Institute.

14. HINDI CO-ORDINATION COMMITTEE MEETINGS

Four “Hindi Co-ordination Committee” meetings were held on 16.06.2017, 28.08.2017, 29.11.2017 and 28.02.2018 during the year 2017-18. The Committee discussed in detail with Section Heads and appropriate decisions were taken regarding the implementation of Official Language Hindi in the Institute.

15. ATTENDED- CONFERENCE / MEETING / WORKSHOPS, ETC

PROF. SANJEEV VERMA, ASSOC. PROFESSOR

- (i) Participated in half yearly meeting organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Development Commissioner Office, Seepz-SEZ, Andheri(E), Mumbai on 29th May, 2017.
- (ii) Participated in half yearly meeting organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Office of the Development Commissioner, Seepz, Mumbai on 30th October, 2017.

MD. AFTAB ALAM, SR. TRANSLATOR (HINDI)

- (i) Participated in half yearly meeting organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Development Commissioner Office, Seepz-SEZ, Andheri(E), Mumbai on 29th May, 2017.

- (ii) Participated in 26th “Aashirwad Rajbhasha Award” function organised by Aashirwad Organisation at Indian Customs Duty, Mumbai Zone-1, Fort, Mumbai on 27th September, 2017.
- (iii) Participated in half yearly meeting organised by Town Official Language Implementation Committee (TOLIC), North Mumbai (Offices) at Office of the Development Commissioner, Seepz, Mumbai on 30th October, 2017.

MD. AFTAB ALAM, HINDI OFFICER

- (iv) Participated in One day Official Language Liaison Officer meeting organised by Hindi Teaching Scheme and Central Hindi Teaching Sub-Institute, Ministry of Home Affairs, Deptt of Official Language, Govt. of India at Konkan Railway Corporation Ltd., CBD Belapur, Navi Mumbai on 28th December, 2017.
- (v) Participated in One day “Joint Regional Official Language Conference (Western and Central Region)” organised by Ministry of Home Affairs, Department of Official Language, Regional Implementation Office (West), Govt. of India, at Chembur, Mumbai on 12th January, 2018.

RAKESH KUMAR SHAW, JR. HINDI TRANSLATOR

- (i) Participated in One day “Joint Regional Official Language Conference (Western and Central Region)” organised by Ministry of Home Affairs, Department of Official Language, Regional Implementation Office (West), Govt. of India, at Chembur, Mumbai on 12th January, 2018.
- (ii) Participated in Two days “Official Language Conference” organised by Ministry of HRD, Department of Official Language, Govt. of India, at Trivendrum, Kerala on 7th to 8th February, 2018.



NITIE CULTURAL AND WELFARE ACTIVITIES

CELEBRATIONS:

Shivaji Maharaj Jayanti Celebration: The 388th Chhatrapati Shivaji Maharaj Jayanti was celebrated on 15th March, 2018 in NITIE with great traditional fervour. Shri Vishnu Patankar, Secretary, Celebration Committee introduced the Chief Guest to the Audience. The Chief Guest Prof. Prashant Dandekar envisaged the strategies and tactics of Shri Chhatrapati Shivaji Maharaj which are inspiring globally. Prof. Shirish Sangle Director-Incharge, NITIE, presided over the function and inspired the audience by enlightening the divine empowerment of Chhatrapati Shivaji Maharaj. Shri Basvaraj Swamy, Registrar, 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 388 Years.

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 127th Birth Anniversary

Celebration: Prof. (Ms) Karuna Jain, Director, Prof. Gururaj Gadre, Shri Baswaraj Swamy, Registrar, NITIE and Others garlanding the statue of Dr. B. R. Ambedkar NITIE celebrated 127th Birth Anniversary of Dr. B. R. Ambedkar on 18th April 2018 in grand manner. Prof. (Ms) Karuna Jain, Director presided over the function and renowned personality Prof. Gururaj Gadre, was Chief Guest. Shri Mahavir Darure, Chairman, Celebration Committee welcomed everyone to the function. Prof. Gururaj Gadre delivered the lecture on "Social Justice and Sustainable Development of Nation". Shri Shashikant Parab gave vote of thanks and the program ended with National Anthem.

Institute also celebrated the following activities as per GOI norms for the year 2017-18:-

- 1) Yoga Day
- 2) Independence Day
- 3) Sadbhavna Day Communal Harmony Fortnight
- 4) Swachhata Abhiyan
- 5) Vigilance Awareness Week
- 6) Rashtriya Ekta Day
- 7) Constitution Day
- 8) Republic Day Celebration
- 9) Matrubhasha Day
- 10) Womans Day

NITIE celebrated its' Foundation day on 21st September, 2018 in grand manner.

ANNUAL ACCOUNTS



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ANNUAL ACCOUNTS

Government Grant from the Ministry of Human Resource Development

During the year 2017-18, the MHRD sanctioned a total sum of Rs. 3825.00 lakhs as Grant-in-Aid (out of which Rs 3693.00 lakhs for Recurring (OH 35 and OH 36) and Rs 132.00 lakhs for Capital (OH 31)). There was also a carry over of unspent balance of Rs 38.49 lakhs from the Financial Year 2016-17 from plan fund. During the year 2017-18, the Institute earned a revenue of Rs 3175.30 lakhs.

Out of the above revenue, a sum of 6868.30 lakhs was spent under Recurring expenditure which comprises of 3258.17 lakhs for salaries and Rs 3610.13 lakhs for other running expenditure. The Institute also spent a sum of `302.74 lakhs under Non-Recurring Heads. Hence the total expenditure works out of 7171.04 lakhs. An amount of `NIL under Non Plan Grant (OH36) and `an amount of Rs 132.25 lakhs is the excess spent on Capital Account.

BC/PA/AA

Under BC-PA-AA Account, a sum of 565.74 lakhs was available as carry over from 2016-17. During the year 2017-18, the Institute earned a sum of Rs 26.10 lakhs. Hence, the total income available during the year 2017-18 was 591.84 lakhs. Out of this, a sum of 80.92 lakhs was spent under Recurring expenditure. The unspent balance of Rs 510.92 lakhs is carried over to the year 2018-19.

New Plan Scheme Projects (IIPC)

Under the new plan scheme projects, there was a carry over of Rs 16.21 lakhs from the year 2016-2017. A Grant – in –Aid of Rs NIL lakhs has been received during the year 2016-2017. There was an income of Rs 1.21 lakhs during the year 2017-18. In all a sum of Rs 17.42 lakhs was available under New Plan Scheme Projects for the year 2017-18. Out of the above, a sum of Rs 0.04 lakhs was spent under Recurring heads. Hence, the unspent balance of Rs 17.38 lakhs is carried over to the year 2018-19.

Sponsored Projects (TIFAC)

Under the sponsored projects, a sum of Rs 10.01 lakhs was available as carry over from 2016-17 and Rs 0.43 lakhs as income including the Grant during the year 17-18 totaling to Rs 10.44 lakhs. Out of the above, a sum of Rs 0.01 lakhs was spent under recurring expenditure. The balance of Rs 10.43 lakhs is carried over to the year 2018-19

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 (OH-35 and OH-36)				
Opening Balance	0.00			
Grant -in - Aid		3693.00		
Institute Income		3175.30		
Expenditure Incurred			6868.30	
<i>Unspent Balance C/f</i>				0.00
TOTAL NON PLAN		6868.30	6868.30	0.00
2. PLAN (OH 31- CAPITAL)				
Opening Balance	38.49			
Grant -in - Aid		132.00		
Institute Income		0.00		
Expenditure Incurred			302.74	
<i>Unspent Balance C/f</i>				-132.25
TOTAL PLAN	38.49	132.00	302.74	-132.25
3. BCPAAA				
Opening Balance	565.74			
Grant -in - Aid		0.00		
Institute Income		26.10		
Expenditure Incurred			78.91	
<i>Unspent Balance C/f</i>				512.93
TOTAL BCPAAA	565.74	26.10	78.91	512.93
4. NEW PLAN SCHEME (IIPC)				
Opening Balance	16.21			
Grant in Aid		0.00		
Institute Income		1.21		
Expenditure Incurred			0.04	
<i>Unspent Balance C/f</i>				17.38
TOTAL NEW PLAN SCHEME	16.21	1.21	0.04	17.38
5. SPONSORED PROJECTS (TIFAC)				
Opening Balance	10.01			
Grant -in - Aid		0.00		
Institute Income		0.43		
Expenditure Incurred			0.01	
<i>Unspent Balance C/f</i>				10.43
TOTAL	10.01	0.43	0.01	10.43



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	2017-18	2016-17	INCOME	2017-18	2016-17
a) Establishment Charges	3258.17	3172.08	a) Grant- in Aid	3825.00	3510.00
- Salaries to Academic/ Non Academic Staff Institutes Contribution to CPF/Retirement Benefits			(Received for recurring and Non Recurring Expenses during the year)		
b) Other Expenses	3610.13	3594.25	b) Academic Receipts	2711.56	3007.65
Special Repairs, Scholarships, Maintenance & Repairs TA, Vehicles Entertainment, P&T			(all Academic Programmes, MDP, UBP, Consultancy Services)		
c) Non Recurring Expenditure	302.74	313.80	c) Other Income	463.73	600.97
d) Excesss of income over expenditure	-	38.49	d) Excesss of expenditure over income	132.26	-
TOTAL MAIN ACCOUNT	7171.04	7118.62	TOTAL MAIN ACCOUNT	7171.04	7118.62
2. BCPAAA					
EXPENDITURE	2017-18	2016-17	INCOME	2017-18	2016-17
a) Exp on Catering, M&R to furniture. Misc Expe & Contn to BCPAAA	80.92	57.13	a) Opening Balance from the Previous Year	565.74	558.59
b) Excess of income over expenditure	510.92	565.74	b) Income during the year	26.10	64.28
TOTAL BCPAAA Account	591.94	622.87	TOTAL BCPAAA Account	591.84	622.87
3. NEW PLAN SCHEME - IIPC					
EXPENDITURE	2017-18	2016-17	INCOME	2017-18	2016-17
a) Expenses on Salaries, TA/DA	0.04	0.47	a) Opening Balance from the Previous Year	16.21	15.63
b) Excess of income over expenditure	17.38	16.21	b) Income during the year	1.21	1.05
TOTAL IIPC Account	17.42	16.68	TOTAL IIPC Account	17.42	16.68
4. SPONSORED PROJECTS - TIFAC					
EXPENDITURE	2017-18	2016-17	INCOME	2017-18	2016-17
a) Expenses on Salaries, TA/DA	0.01	0.00	a) Opening Balance from the Previous Year	10.01	9.59
b) Excess of income over expenditure	10.43	10.01	b) Income during the year	0.43	0.42
TOTAL TIFAC Account	10.44	10.01	TOTAL TIFAC Account	10.44	10.01

**BALANCE SHEET****BALANCE SHEET FOR THE YEAR ENDING
2017-2018 (As per revised - New format of**

MAIN ACCOUNT					
Liabilities	2017-18	2016-17	Assets	2017-18	2016-17
Corpus/Capital Fund	7565.86	7240.56	Fixed Assets	12118.17	12068.64
Designated/Earmarked/Endowment Funds	9239.61	9388.97	Investments	5036.05	5116.17
Current Liabilities/Provisions	2568.66	2192.06	Current Assets	364.99	638.77
			Loan, Advances and Deposits	1854.93	998.01
TOTAL MAIN ACCOUNT	19374.13	18821.59	TOTAL MAIN ACCOUNT	19374.13	18821.59

BCPAAA ACCOUNT					
Liabilities	2017-18	2016-17	Assets	2017-18	2016-17
Corpus/Capital Fund	510.91	565.74	Fixed Assets	51.46	52.59
Designated/Earmarked/Endowment Funds	9.91	9.91	Investments	427.12	454.86
Current Liabilities/Provisions	29.55	25.92	Current Assets	64.56	77.74
			Loan, Advances and Deposits	7.23	16.38
TOTAL BCPAAA ACCOUNT	550.37	601.57	TOTAL BCPAAA ACCOUNT	550.37	601.57

NEW PLAN SCHEME (IIPC PROJECT)					
Liabilities	2017-18	2016-17	Assets	2017-18	2016-17
Corpus/Capital Fund	0.19	0.21	Fixed Assets	0.19	0.21
Designated/Earmarked/Endowment Funds	17.39	16.21	Investments	15.23	14.25
Current Liabilities/Provisions	0.00	0.00	Current Assets	2.16	1.96
			Loan, Advances and Deposits	-	-
TOTAL IIPC ACCOUNT	17.58	16.42	TOTAL IIPC ACCOUNT	17.58	16.42

TIFAC CORE PROJECT					
Liabilities	2017-18	2016-17	Assets	2017-18	2016-17
Corpus/Capital Fund	17.28	18.90	Fixed Assets	17.28	18.90
Designated/Earmarked/Endowment Funds	10.43	10.01	Investments	7.58	7.14
Current Liabilities/Provisions	0.00	0.00	Current Assets	0.29	0.30
			Loan, Advances and Deposits	2.57	2.57
TOTAL TIFAC ACCOUNT	27.71	28.91	TOTAL TIFAC ACCOUNT	27.71	28.91

**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 Rs. 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 Asset as on	Disposed	Amt. realized on disposal	Remarks
1.	Nil dt. 30.1.2017	1,79,264	Cat 6 Cable & accessories	1,79,264/-			
2.	Plan /E& F 2017-18/03 dt. 06.06.2017	1,68,162.73	Tescoping tilting Tower Ladder accessories	1,68,162.73			
3.	CPSC/DO/E&F/2017-18/01 dt. 14.07.2017	3,77,600/-	Digital Colour Photo Copier with Colour Network Printer	3,77,600/-			
4.	CPSC/ACD/E&F/2017-18 dt. 23.06.2017	3,77,600/-	Digital Colour Photo Copier with Colour Network Printer	3,77,600/-			
5.	Plan/E & F/2017-18/03 dt. 28.06.2017	1,25,440/-	150 Watt multi LED (IP-65)	1,25,440/-			
6.	Equip & Film/2017-18 dt. 22.03.2017	21,600/-	AG 200 Water filter Cum Purifier)	21,600/-			
7.	Plan/E&F/2017-18/05 dt. 13.09.2017	31,185/-	2.0 KVA UPS	31,185/-			
8.	Plan/E&F/2017-18/06 dt. 17.10.2017	2,28,037.50	1.5 tr Cassette 5 Star AC Hitachi	2,28,037.50			
9.	M & R/E& F/2017-18 dt. 13.11.2017	23,600/-	New finger Print Scanner	23,600/-			
10.	No. Nil Dt. 6.02.18	49,300/-	Dome Camera and accessories	49,300/-			
11.	Plan Equip/2017-18/18 dt. 22.02.2018	14,900/-	16x47 Orient wall Fan & 16 Pedestal Fan Table fan	14,900/-			
Computer Peripherals							
1.	CC/wifi /2016-17/01 dt. 25.10.16	53,90,000/-	Wireless Access Points SS-300 AT-C-55 & Cabling installation	52,41,782/-			
2.	CC/Laptop/2017-18/01 dt. 24.03.2017	7,31,400/-	Laptop HP 440 43 Notebook or Equivalent Model	7,31,400/-			
3.	CC/MSV/2016-17 dt. 28.3.2017	8,25,348.56	O365 EDUE 3 for Felty OPN Shrdsur accessories	8,25,384.56			
4.	CPSC/Equip/CC/2017-18/03 dt. 26.07.2017	19,500/-	Mobile iPhone 5,16 GB	19,500/-			
5.	CC/Network /NEWA/CC/2017-18/3 dt. 11.8.2017	1,15,649/-	Network accessories	1,15,649/-			
6.	CC/Network/NEWA/CC 2017-18/3 dt. 11.08.2017	51,861/-	Network accessories	51,861/-			
7.	CC/2017-18 /02 dt. 01.08.2017	53,222/-	Renewal of Red enterprise Linux Server	53,222/-			
8.	CPSC/Libsys/Library/2016-17/514 dt.30.03.2017	2,07,975/-	License fee for Upgradation to web Centric	2,07,975/-			
9.	CPSC/CC/UPS/17-19/04 dt. 11.12.2017	1,73,319/-	UPS OF 10 KVA Cap. SMF Battery 12V/65 AH Cap & Rack	1,73,319/-			
Page wise total				90,16,781.79			

ANNEXURES



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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 31-03-2018

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		20
3	ASSOCIATE PROFESSOR	PB-4: 37400-67000	9500	3 **	* N.G.	27	0	0	A	84	18
4	ASSISTANT PROFESSOR	PB-3: 30100	8000	2 **	* N.G.	14	0	0	A		20
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	1 **	* 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 31-03-2018**

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										
1	REGISTRAR	PB 4: 37400-67000	10000	0 **	* N.G.	1	0	0	A	1	1
2	C.O.E.	PB 3: 15600-39100	7600	0 **	* N.G.	1	0	0	A	1	1
3	DEPUTY REGISTRAR	PB 3: 15600-39100	6600	1 **	* N.G.	3	0	0	A	3	0
4	MEDICAL OFFICER	PB 3: 15600-39100	5400	#, 0 **	* N.G.	1	0	0	A	1	1
5	ASSISTANT REGISTRAR	PB 3: 15600-39100	5400	1 **	* N.G.	3	0	0	A	3	3
6	ACCOUNTS OFFICER	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	B	1	1
7	HINDI OFFICER	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	B	1	1
8	SECRETARY TO DIRECTOR	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	B	1	0
9	SR. SUPERINTENDENT	PB 2: 9300-34800	4600	2 **	* N.G.	2	0	0	B	4	2
10	ASST.LIB.&INFO.OFFICER	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	B	1	1
11	SUPERINTENDENT	PB 2: 9300-34800	4200	6 **	* N.G.	11	0	0	B	13	9
12	HINDI TRANSLATOR (SR.)	PB 2: 9300-34800	4600	0 **	* N.G.	1	0	0	B	1	0
13	SR.LIB.&INFO.ASSISTANT	PB 2: 9300-34800	4200	1 **	* N.G.	1	0	0	B	2	1
14	ASSISTANT	PB 2: 9300-34800	4200	3 **	* N.G.	9	0	0	B	12	5
15	NURSE	PB 2: 9300-34800	4200	0 **	* N.G.	0	0	0	B	1	1
16	SR. STENOGRAPHER	PB 2: 9300-34800	4200	3 **	* N.G.	5	0	0	B	11	3
17	LIB. & INFO. ASSISTANT	PB 2: 9300-34800	4200	0 **	* N.G.	1	0	0	B	2	1
18	JR. HINDI TRANSLATOR	PB 2: 9300-34800	4200	0 **	* N.G.	0	0	0	B	1	1
19	HOSTEL MANAGER	PB 1: 5200-20200	2800	0 **	* N.G.	0	0	0	C	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	1 **	* 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	0 **	* N.G.	0	0	0	C	1	0
28	TELEPHONE OPERATOR	PB 1: 5200-20200	1900	1 **	* N.G.	5	0	0	C	6	4
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	0
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	3
34	HOSTEL ATTENDANT	PB 1: 5200-20200	1800	1 **	* N.G.	3	0	0	D	7	1
35	PEON	PB 1: 5200-20200	1800	6 **	* N.G.	10	0	0	D	20	7
36	WATCHMAN	PB 1: 5200-20200	1800	4 **	* N.G.	7	0	0	D	12	5
37	SWEEPER	PB 1: 5200-20200	1800	3 **	* N.G.	10	0	0	D	19	6
38	MALI	PB 1: 5200-20200	1800	0 **	* N.G.	1	0	0	D	2	0
39	ATTENDANT	PB 1: 5200-20200	1800	5 **	* N.G.	10	0	0	D	18	7
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 31-03-2018

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			
TECHNICAL										
1	EXECUTIVE ENGINEER	PB 3: 15600-39100	6600	0 **	* N.G.	1	0	0	1	1
2	VIDEO CAMERAMAN	PB 2: 9300-34800	4600	1 **	* N.G.	1	0	0	1	1
3	DATA PROCESSING ASST.GR.B	PB 2: 9300-34800	4600	0 **	* N.G.	0	0	0	2	0
4	TECHNICAL ASST.(SR)	PB 2: 9300-34800	4200	0 **	* N.G.	1	0	0	2	1
5	JR. ENGINEER	PB 2: 9300-34800	4200	1 **	* N.G.	2	0	0	3	2
6	TECH. ASSISTANT	PB 1: 5200-20200	2800	0 **	* N.G.	0	0	0	2	0
7	DATA ENTRY OPR.GR-C	PB 2: 9300-34800	4200	0 **	* N.G.	2	0	0	2	1
8	DATA ENTRY OPR.GR-B	PB 1: 5200-20200	2800	2 **	* N.G.	2	0	0	4	2
9	MECH. 'A'	PB 1: 5200-20200	2400	1 **	* N.G.	4	0	0	5	1
10	DRAUGHTSMAN	PB 1: 5200-20200	2400	0 **	* N.G.	0	0	0	1	0
11	DATA ENTRY OPR GR-A	PB 1: 5200-20200	2400	0 **	* N.G.	0	0	0	3	0
12	MECH. 'B'	PB 1: 5200-20200	2400	1 **	* N.G.	1	0	0	2	1
13	DRIVER	PB 1: 5200-20200	1900	4 **	* N.G.	6	0	0	9	4
14	PLUMBER	PB 1: 5200-20200	1900	1 **	* N.G.	2	0	0	2	2
15	MECH. 'C'	PB 1: 5200-20200	1900	1 **	* N.G.	7	0	0	8	5
16	DUPLICATING OPERATOR	PB 1: 5200-20200	1900	1 **	* N.G.	2	0	0	2	2
17	PUMP ATTENDANT	PB 1: 5200-20200	1800	0 **	* N.G.	1	0	0	3	0
18	BUS ATTENDANT	PB 1: 5200-20200	1800	0 **	* N.G.	1	0	0	2	1
19	MOTOR CLEANER	PB 1: 5200-20200	1800	1 **	* N.G.	1	0	0	2	1
20	WORKSHOP ATTENDANT	PB 1: 5200-20200	1800	1 **	* N.G.	1	0	0	1	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	63
B	4	3
C	0	0
D	0	0
SUB-TOTAL	95	66
NON-ACADEMIC		
A	9	6
B	51	26
C	58	38
D	97	43
SUB-TOTAL	215	113
TECHNICAL		
A	1	1
B	10	5
C	38	17
D	8	3
SUB-TOTAL	57	26
TOTAL	367	205

R - Regular

T - Temporary

S - Supernumerary