

ADMISSION BROCHURE 2019



NATIONAL INSTITUTE OF INDUSTRIAL
ENGINEERING, MUMBAI-400087



NURTURING FIRST CLASS **ENGINEERS**
INTO WORLD CLASS **MANAGERS**

PGDIE - Post Graduate Diploma in Industrial Engineering

PGDMM - Post Graduate Diploma in Manufacturing Management

PGDPM - Post Graduate Diploma in Project Management

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VISION

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

MISSION

To advance the transformative education and industry inspired research in Industrial Engineering

MILESTONES

-  **2017-Introduction to Post Graduate Program for Executives for Visionary Leadership for Manufacturing (VLFM)**
-  **2014-Introduction to two new programmes-PGDMM and PGDPM**
-  **2006-PGDITM- A management programme to focus on systems/IT starts in response to demand from the corporate world**
-  **2001-PGDISEM-A very niche programme to focus on environment and sustainability starts at the dawn of new century**
-  **1994-PGDIM- The first management programme begins with the aim of imparting cross-functional management education**
-  **1992-Name of the Institute changed to National Institute of Industrial Engineering**
-  **1984-Fellow Programme- Launch of Fellow Programme (equivalent to Ph.D. degree) in different areas of Industrial Engineering**
-  **1971-PGDIE- NITIE joins industrial engineering movement with its first post graduate programme**
-  **(1963-69)-Executive Development Programmes (EDP) and Management Development Programmes (MDP) begin**
-  **1963-Government of India and ILO establish National Institute of Training in Industrial Engineering**

MESSAGE FROM DIRECTOR



National Institute of Industrial Engineering (NITIE) has stood the test of time since its inception in the year 1963, successfully fulfilling its mandate of developing adept industrial professionals through a carefully drafted curriculum. It's a matter of immense pride that the institute has been recognized as one of the centres of excellence, standing tall along with the IITs, IIMs and IISc Bangalore, by Ministry of HRD, Government of India. This recognition comes with a great responsibility to usher the nation into the next era of industrial rising and become a cradle of creative and innovative ideas. DLITE pedagogy has illuminated the path for years by stressing on enriched learning, analytical reasoning, conceptual clarity and developing a business acumen. The emphasis is on development in all walks of life -personal, social and spiritual so that students here can bud as a capable and thoughtful leader.

Post Graduate Diploma in Industrial Engineering (PGDIE) is the crown jewel programme of NITIE that has churned out industrial stalwarts over the years, who occupy position of influence in leading organizations. The course equips a student to handle intricate industrial problems and challenges through a flourishing industry-academia interaction. Students from diverse engineering background, possessing work experience in an array of sectors like Manufacturing, IT, FMCG etc. develop a synergy fostering cross functional outlook. The institute is backed by a team of highly learned, dedicated and experienced faculty with expertise in all major disciplines who are ever willing to go the extra mile to deliver life defining education experiences. The practice encompasses far more than intellectual challenge.

Post Graduate Diploma in Manufacturing Management (PGDMM) and Post Graduate Diploma in Project Management (PGDPM) are two unique courses of NITIE, started in 2014, with structured curriculum catering to the specific needs in the area of manufacturing and project management. The curriculum of PGDMM program has been envisaged to address and manage the global manufacturing challenges from the entire value chain perspective.

PGDPM is designed to nurture and develop young project professionals to manage projects and shoulder responsibilities across different functional domains. The curriculum for PGDPM has been envisaged to build proficiency in conceptualization to planning to execution of different types of projects across industrial domains.

NITIE is known for its industrial connect and provides ample opportunities to students to interact with practitioners and professionals to learn from their experience. NITIE has built strong network of alumni who are always willing to learn not only best practices but the new practices emerging in the markets.

We continually strive to build a better and more inclusive society. By assisting our students in realizing their aspirations we are nurturing first class engineers into world class professionals. I invite you all for a momentous and transformative two year journey.

Prof. (Ms.) Karuna Jain

Director, NITIE

MESSAGE FROM DEAN (ACADEMICS)



It gives me immense pleasure to welcome you all to NITIE, one of the leading centrally funded technical institution of Govt. of India, which has been consistently recognized globally for its excellence in Industrial engineering and management education along with applied research.

NITIE offers an enriching experience and helps you to be successful, both during and after the program. The post graduate programs in Engineering & Technology at NITIE help students to develop holistic understanding of organizations and not as a composition of fragmented functional areas. The students undergo rigorous and highly insightful classroom learning coupled with labs within the uniquely crafted curriculum comprising of core and elective courses. Additionally, each PG program offers specific courses which provide an opportunity to dive deep into the specific program of their choice.

Our approach at NITIE provides the students with conceptual understanding, analytical capabilities along with experiential learning. The institute takes great care to include contemporary courses like Artificial Intelligence, Management of innovation and technology, Industry 4.0, Analytics, Supply chain engineering, Systems engineering etc., to make the students Industry ready. As part of curriculum, students get opportunities to work on real time industry problems during their summer internships and weekend projects. The students also apply their learning during the program in their final projects (dissertations). While we provide you with experiences and opportunities to help you become successful, you must be committed in this partnership as you are the critical element.

The Institute encourages and facilitates international exposure to its students. NITIE has signed MoUs with leading Universities abroad, enabling its bright students to learn on an international platform. This collaboration also enables international students from different universities to spend few terms on NITIE campus. The Institute has ongoing academic and research collaborations with National and International Institutions along with various industry outreach activities in order to keep pace with the requirements and increasing the frontiers of knowledge.

Guest lectures by industry leaders enrich the learning experience thus assisting the students to become adept professionals who can handle complex real life problems. The pool of learned, motivated and devoted faculty who have excelled in all major disciplines help walk the extra mile to realize NITIE's vision. The students and faculty of NITIE contribute generously to the knowledge pool through their applied research work and the evocative solutions that are proposed for the intricate problems faced by industry.

The Institute's library, computing, and infrastructural facilities are amongst the best in the country. Life at NITIE with learning beyond classroom through various students activities channelize their energies into self development, extra-curricular learning, and social service which is very exciting and stimulating. Students are encouraged to provide feedback on how the quality of the programs can be continuously improved. Open houses are held at periodic intervals where students, faculty and academic administration discuss matters of mutual interest.

NITIE is a highly favored destination for national and multinational organizations who recruit students in large numbers year after year, which itself speak volumes of the quality education that a student receives here. These organizations find our students analytically strong, conceptually sound and highly sensitive with leadership qualities which are indispensable to deal with the complexities and dynamism prevalent in this era.

I am sure you will find the NITIE's experience exhilarating & rewarding as you see yourself evolve to a world class professional. I wish you all the best.

Prof. V.B Khanapuri
Dean (Academics)

NITIE AT A GLANCE



Recognized as one of the 15 Centres of Excellence by the Ministry of HRD, Govt. of India, NITIE has, over the years, earned the reputation of being the facilitator of the process of evolution of the best engineering brains of the country to the best business ones. Armed with excellent academic resources, backed up by quality pedagogy, NITIE provides the appropriate platform for students to hone their business acumen as well as their interpersonal skills.

NITIE fosters the capacity for value-based leadership, the aptitude for innovative thinking and confident decision-making, the ability to communicate effectively and helping them collaborate thus equipping them for a promising future. The unique pedagogy of interactive classroom lessons coupled with real-world practical learning experiences, both faculty and peer-driven, provides the students with the right foundation to take on the challenges posed by the corporate world and respond effectively and efficiently.

Pedagogy and philosophy at NITIE are designed to 'DLITE' its stakeholders. DLITE emphasizes on the role of Digital medium of pedagogy and its application in industry, focus on the Technology, Innovation, Leadership, and Entrepreneurship on associated aspects of Industrial engineering and allied areas.

- ✓ D – DIGITAL
- ✓ L – LEADERSHIP
- ✓ I – INNOVATION
- ✓ T – TECHNOLOGY
- ✓ E - ENTREPRENEURSHIP

NITIE RANKINGS

- Ranked 8th among top B-schools of India in Career360 Rankings, 2018
- Ranked 14th in NIRF 2018 Rankings among all the Management Institutes in the country
- Ranked 14th among top B-schools of India in MBA Universe Ranking, 2018
- Ranked 15th among top B-schools of India in The Week Rankings, 2018
- Ranked 8th among top B-schools of India in Dalal Street Rankings, 2017
- Ranked 13th in Business Today B-school Ranking 2017
- Ranked 3rd CSR-GHRDC B-school Survey 2016 under Top Govt. B-Schools of India Category
- Ranked 5th in Higher Education Review beyond IIM's Top B-school Survey 2016
- Ranked 13th in Business World B-school Ranking

- Received Competition Success Review's CSR, Excellence in Education Award 2016 on 24 April 2016
- Ranked 2nd among top government B-schools of India CSR, 2015
- Recognized as a "Centre of Excellence" along with the IITs, IIMs and IISc by the Ministry of HRD
- NITIE was honoured with 2nd Prize of "Rajbhasha Keerti Award" by Honourable President of India, 2015
- NITIE was awarded as the "Best B-School with Industry Related Curriculum in Operations Management" by ABP News National B-School Awards, 2015
- Received "Outstanding B-school (west)" award in Lokmat National Education Leadership, 2015
- Received 7th DNA and Stars of Industry's Innovation in Placements award 2015

MOUs SIGNED



- IIT Kharagpur** – (25th Aug 2017) – Collaborative teaching and research activities
- Prestige Institute** – (7th Dec 2017) – Collaborative teaching and research activities.
- Ecole Centrale De Lille**, France (10th Feb 2015) - Collaborative teaching and research activities
- Strategic HRM India Pvt. Ltd.** (9th July 2014) - Indian Project Environment & Manufacturing
- Tata Institute of Social Sciences (TISS)**, Mumbai (7th July 2014) – Socially Relevant project, Social Research on Problems of Women and Youth, Environment Management and Micro Small and Medium Enterprises
- Indian Institute of Technology (IIT), Bombay** (2nd June 2014) – Promote Interest in Joint Research activities related to Science, Technology, and Management
- University of Pittsburgh**, USA (2017) - To perform collaborative programs in the areas of mutual interest
- University of Alabama**, USA (2015) - To perform collaborative programs in the areas of mutual interest

- National Institute of Food Technology Entrepreneurship and Management** (27th May 2014) - Project Management and Manufacturing in Food Processing and Food Value Chain.
- College of Engineering, Pune** (30th April 2014) - Developing competitive PM area and joint guidance of PG and Ph.D. program
- Crompton Greaves** (15th April 2014) - Development of Research labs related to Industrial Engineering, Manufacturing Management, Project Management, Technology, Innovation, Simulation etc.
- TVS Motors** (8th April 2014) - Enhance execution capacity of TVS Motor through Project Consultancy, Open Training programs etc.
- National Productivity Council**, New Delhi (27th March 2014) - Joint effort for Industrial Interactions, Promotion of Productivity Knowledge and Practices through programs and publications
- PEC University**, Chandigarh (14th March 2014) - Joint guidance of PG project and Ph.D. thesis
- Indian Institute of Industrial Engineering** (24th February 2014) - Joint effort for Industrial Interactions, Promotion of Productivity Knowledge and Practices through programs and publications
- Larson and Toubro** (20th February 2014) - To develop symbiotic industry and academic relationships
- VJTI, Mumbai** (4th December 2013) - To perform collaborative programmes in the areas of mutual interest
- IIT Delhi**, New Delhi (2015) - To perform collaborative programs in the areas of mutual interest
- NIT Jalandhar**, Jalandhar (2016) - To develop symbiotic industry and academic relationships
- NIT Jaipur**, Jaipur (2016) - To perform collaborative programs in the areas of mutual interest
- BHEL**, New Delhi (2015) - To develop symbiotic industry and academic relationships
- National Knowledge Network**, New Delhi (2015) - To perform collaborative programs in the areas of mutual interest
- Anand Group**, New Delhi (2015) - To perform collaborative programs in the areas of mutual interest

INFRASTRUCTURE



HOSTEL

NITIE has an accommodation consisting of 3 hostel blocks and an MDP building for Executive. NITIE boasts of the tallest hostel building in the country (Taylor Hall of 16 floors) which has been accommodating 800 students. Every room is equipped with uninterrupted Wi-Fi connectivity.

FITNESS CENTRE AND ERGONOMICS LAB

NITIE has a comprehensive state-of-the-art, fully air-conditioned fitness centre and ergonomics lab with a floor area of over 5000 sq. ft. and world class equipment. The entire program is scientifically managed & executed on a strictly individual basis to monitor and improve fitness levels.

RECREATION FACILITIES

To ensure all-round development of students, the campus has a basketball court and a lawn tennis court in addition to a ground for cricket and football. The hostels have facilities for table tennis, pool, and carom. Televisions have been provided on every floor as well as in the common room.

COMPUTING FACILITIES

NITIE is equipped with excellent computing facilities to complement the classroom pedagogy. A 1 Gbps leased line for LAN and 8 Mbps backup line are available. WiFi is available to cater to the internet requirement of the campus providing 24/7 connectivity. NITIE has acquired licenses for various educational softwares, thus helping students go beyond theoretical learning.

AUDITORIUM

NITIE houses a newly constructed, acoustically designed, fully air-conditioned, fully equipped auditorium. The auditorium is well suited for holding various corporate talks, cultural events, executive development programs and other academic and community activities. In addition, NITIE has fully functional auditorium with similar features and capabilities in the existing academic block.



LIBRARY

NITIE has a well-furnished library housing over more than 55,000 books, 11,000 periodicals bound volumes and 237 technical journals in the field of Industrial Engineering, Manufacturing Management, Operations & Supply Chain Management, Project Management, Safety & Environment Management, Information Systems, Technology Management, Marketing, Finance, Economics, etc. NITIE library is also a core member of INDEST Consortium, an initiative of MHRD. Additionally, various online services like CD Stacker, Indiastat, Science Direct, EBSCO, IEEE Publications, ACM publications, etc. are available. The vast reservoir of knowledge is a source of constant value addition to the students and plays a vital role in the intellectual pursuits of NITIE's academic community.

FACULTY



NITIE as an institution has always focused upon academic and corporate excellence. Testimony to the same would be niche that we have carved for ourselves in the fiercely competitive B school fraternity of our country. The approach used for the same includes diverse industrial immersion initiatives, valuable alliances with the industry and leveraging our unparalleled alumni base. It is because of this unique blend NITIE has successfully created a brand for itself and for its student. NITIE will stay committed to its mission of grooming first class engineers into world class managers.

Prof.(Mrs.) Hema date
Dean Student Affairs

Operations and Supply Chain Management



Aghalaya, Sushmita Narayana
Assistant Professor
Fellow (IIM Kozhikode), BE
Areas of Interest: Supply Chain Mgmt, Systems Thinking, Healthcare



Gokhale, Ravindra S
Assistant Professor
Ph.D. (IISc Bangalore), M Tech (IIT Bombay), BE (Prod.)
Areas of Interest: Operations Mgmt, Business Statistics, Applied Multivariate Analysis, Supply Chain



Kabra, Gaurav
Assistant Professor
PhD (IIT Roorkee), MBA, B Tech (IT)
Areas of Interest: Humanitarian Logistics, Application of IT in business



Kamble, Sachin S
Associate Professor
Ph.D. (Vikram University), MBA, BE
Areas of Interest: Operations, Logistics and Supply Chain Mgmt



Maddulety, K
Associate Professor (On Lien)
Ph.D. (Shivaji University), MBA, B Tech
Areas of Interest: Operations Mgmt, Quality Mgmt, Business Statistics



Raut, Rakesh D
Assistant Professor
Post-Doctoral Research (EPEL, Switzerland), Fellow (NITIE), M Tech, B Tech
Areas of Interest: Managing Supplier Relations, Partner Selections, Collaborative Network Organization,



Sharma, Sanjay
Professor
Ph.D., M Tech, BE
Areas of Interest: Manufacturing Mgmt and Supply Chain Mgmt



Acharya, Padmanav
Professor
Ph.D. (IIT Kharagpur),
M Tech (IIT Kharagpur),
BE(Mechanical)
Areas of Interest: Industrial Engg,
System Dynamics, Project Mgmt,
Logistics Supply Chain



Akarte, Milind M
Professor
Ph.D. (IIT Bombay),
M Tech (IIT Bombay), BE
(Production Engineering)
Areas of Interest: Industrial Engg,
Operations & Supply Chain Mgmt,
Manufacturing Strategy, MCDM,
Additive Manufacturing



Devarajan, Jinil Persis
Assistant Professor
Ph.D. (Anna University), M.E., B.E.
Areas of Interest: Multi objective
Optimization, Swarm intelligence,
Simulations



Ganapathy, L
Professor
Ph.D. (IIT Kharagpur),
M Tech, BSc
Areas of Interest: Quantitative
Methods, Project Mgmt



Iqbal Rauf, S M
Associate Professor
Ph.D. (Vidhya Sagar University),
MSc (University of Calcutta)
Areas of Interest: Ergonomics
and Human Factors Engg., Work
system Design



Khanzode, Vivek
Associate Professor
Ph.D. (IIT Kharagpur),
M Tech (IIT Kharagpur), BE
(Mechanical Engg.)
Areas of Interest: Operations Mgmt,
Lean Manufacturing



Narayana, Rao KVSS
Professor
Ph.D. (IIT Bombay),
PGDIE (NITIE), B Tech
Areas of Interest: Capital
Markets, Industrial Engg,
Investment Analysis



Narkhede, Balkrishna Eknath
Associate Professor
Ph.D, M.Tech, B.E.
Areas of Interest: Industrial
Engineering and Manufacturing
Systems



Pundir, Ashok K
Professor
Fellow (NITIE), PGDIE (NITIE), B
Tech (Mech.), FIE, FIIE
Areas of Interest: Project Mgmt,
BPR, Work-Systems Design,
Productivity Mgmt, Service Ops,
SCM



Verma, Priyanka
Assistant Professor
Ph.D. (IIT Kanpur),
M Tech (IIT Kanpur),
BE (Mech.)
Areas of Interest: Supply Chain,
Operations, Quantitative
Techniques



Gupta, Ruchita
Assistant Professor
Ph.D. (IIT Bombay), M Tech, BE
Areas of Interest: Mgmt of Technology, Tech. diffusion and Adoption, Technology Transfer & Commercialization, Technology Entrepreneurship



Jain, Karuna
Professor & Director
Ph.D. (IIT Kharagpur)
Areas of Interest: Technology and Innovation Mgmt, SCM, Project Mgmt, IPR



Joshi, Kanchan
Assistant Professor
Ph.D. (IIT Bombay), MMS, BE
Areas of Interest: Project Mgmt, Data Analytics



Khanapuri, V B
Professor & Dean Academics
Fellow (NITIE), MBA, BE
Areas of Interest: Project Mgmt, Maintenance Mgmt, BPR, & IT



Mukundan, R
Assistant Professor
Ph.D. (IIT Bombay), PGDIPRL, BE
Areas of Interest: Intellectual Property and Innovation Mgmt, Manufacturing Strategy, Strategic New Product Development, Systems Thinking



Naik, Koteswara Rao
Associate Professor
Ph.D. (IIT Delhi), MBA, B Tech
Areas of Interest: Management of Intellectual Property, Managing Creativity & Innovation, Technology Mgmt, Entrepreneurship and Project Mgmt

Decision Sciences and Information Systems



Date, Hema A
Professor and Dean Student Affairs
Fellow (NITIE), PGDIE (NITIE), BE
Areas of Interest: Software Engg, Business Intelligence, DSS, e-Business, IT Consulting, AI, Data Mining, Business Analytics, Knowledge Mgmt, IT Applications



Debabarata, Das
Assistant Professor
Ph.D. (IIT Bombay), *Areas of Interest:*
System Dynamic & Supply Chain Modelling



Panandikar, S C
Associate Professor
 Ph.D., MSc (Mumbai University)
Areas of Interest: Operations Research, Applied Statistics, Financial Modelling



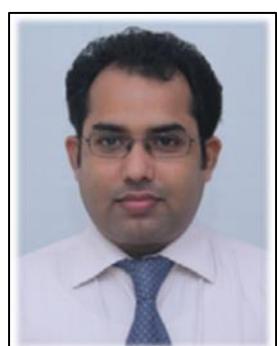
Ramaswamy, R
Professor
 Fellow (NITIE), M Phil, MSc
Areas of Interest: Computer Networks, JAVA Programming, MIS, Software Engg



Sangle, S Purnima
Professor
 Ph.D. (University of Indore), MSc
Areas of Interest: Business Analytics, Data Mining, Multi-Channel CRM, ERP, Business Value of IT



Verma, Rakesh
Associate Professor
 Ph.D. (IIT Kharagpur), MSc
Areas of Interest: Operations Research



Panda, Ajaya Kumar
Assistant Professor
 Ph.D. (Hyderabad Central University), MPhil, MA
Areas of Interest: International Finance, Financial Economics, Applied Econometrics, Time Series Analysis



Ranjani, K S
Assistant Professor
 Ph.D., MPhil(Commerce), AICWA, FCA, BCom
Areas of Interest: Accounting and Finance



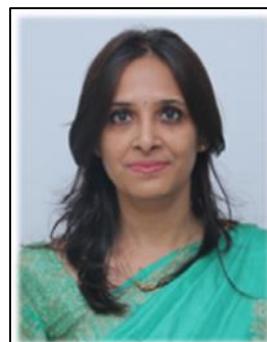
Singh, Vipul
Assistant Professor
 Ph.D. (Jamia Millia Islamia), MSc, BSc
Areas of Interest: Financial Engineering



Venkateshwari, M
Professor
 Ph.D. (Osmania University), MCom
Areas of Interest: Accounting & Finance



Agarwal, Upasna A
Associate Professor
Ph.D. (IIT Bombay),
Masters – Labour Law
Areas of Interest: Organisation
Behaviour, Human Resource
Mgmt



Jha, Sumi
Associate Professor
Fellow(NITIE), MBA (HR), BSc
Areas of Interest: Competency
Mapping Assessment Centre,
HR Analytics



Mehta, Nikhil
Associate Professor
Ph.D. (Nagpur University),
MBA (Personnel Management),
MA(Psychology), B.Pharm
Areas of Interest: Human
Communication, Ethics



Nair, S K
Professor
Ph.D. (University of Nagpur),
M Phil, MA, DBM
Areas of Interest: OB, HRM,
Business Ethics, Positive
Psychology



Prasad, T
Professor
Ph.D. (Osmania University), M Com
Areas of Interest: Innovation,
Entrepreneurship, Reinventing
Higher Education



Srivastava, D K
Professor
Ph.D. (IIT Bombay), MA
(University of Allahabad)
Areas of Interest:
Organizational Behaviour &
HRM



Vishwas, Suman Kumar
Assistant Professor
PhD (IIT Delhi), MBA (ABV-IIITM), B.Tech. (ABV-
IIITM)
Area of Interest: Strategic Knowledge
Management, HRM, Industrial Relations, HR
Analytics, Performance Management, Innovation,
Flexibility and organization Vitality

Economics & Strategy



Bhattacharya, Som Sekhar
Associate Professor
FPM (MDI), PGDFM, BTech
(IIT(ISM), Dhanbad)
Areas of Interest: Strategic Mgmt,
Strategic CSR, International
Business Strategy



Binilkumar, Amarayil Sreeraman
Assistant Professor
Ph.D. (IIT Bombay), MA
Areas of Interest: Environmental
and Natural Resource Economics,
Industrial Organization, Business
Environment, Public policy and
systems



Chattpadhyay, Utpal
Associate Professor
 Ph.D. (Delhi University), MSc
 (University of Calcutta)
Areas of Interest: Economics



Gupta, Vijaya
Professor
 Ph.D. (University of Rajasthan),
 MPhil, MA
Areas of Interest: Business
 Economics, Agriculture
 Economics, Environmental



Mazumdar, Mainak
Assistant Professor
 Post-Doctoral Experience (Center de
 Sciences Humaines, CNRS India),
 Ph.D. (ISEC), M.Sc (The university of
 Calcutta)
Area of Interest: Economic Growth and
 Regional Disparity, Urbanization in
 India, Applied Econometric, Network



Singh, Poonam
Assistant Professor
 Ph.D. (IGIDR), MSc
Areas of Interest: Corp.
 Finance, Corp. Governance,
 Competition Policy, Financial
 Regulations, Industrial
 Organization, Applied
 Econometrics

Marketing Management



Chikhalkar, R D
Associate professor
 Fellow(NITIE), MBA
Areas of Interest:
 Marketing Mgmt



Chaudhuri, Ranjan
 (On Lien)
Associate Professor
 Ph.D., MBA
Areas of Interest: Modern
 Trade, Food Chains, Global
 Market



Jha, M K
Professor
 Ph.D. (University of Bihar),
 MBA, BE
Areas of Interest: B2B
 Marketing Marketing Strategy,
 Software Engg, MIS



Pandey, Neeraj
Associate Professor
 Post-Doc (Johns Hopkins
 University, USA), PhD, MBA
Areas of Interest: Pricing,
 Digital Marketing, B2B
 Marketing, Services
 Marketing



Paul, Ujjwal Kanti
Assistant Professor
 Ph.D., MBA, PGDBM
Areas of Interest: Agriculture
 and rural marketing, India's act
 east policy, Food security,
 Peripheral area development



Srivastava, Neha
Assistant Professor
 FPM(IIM Lucknow)
Areas of Interest: Marketing
 management, Brand trust,
 Consumer Behavior, Consumer
 information, Search behavior,
 Brand management



Verma, Sanjeev

Associate Professor

Ph.D. , MBA, PGDCA, BSc

Areas of Interest: Marketing
Research, Marketing Analytics,
Consumer Behaviour, Services
Marketing

Environmental Engineering and Management



Diwan, Hema

Assistant Professor

Post-Doc, Ph.D.,
MSc(Environmental Sc.), BSc

Areas of Interest:
Environmental & Sustainability
Mgmt, Pollution Control &
Mgmt



Gedam, Vidyadhar V.

Assistant Professor

PhD (ACSIR, Delhi), Diploma(Industrial safety, M. tech.(NIT Karnataka), B.E.

Areas of Interest: Water quality & waste management, Sustainable development



Murthy, Shankar

Professor

Ph.D. (IIT Bombay),
ME (Env. Engg.), BE (Civil)

Areas of Interest:
Environmental Engg & Mgmt,
Industrial Waste & Water



Sangle, Shirish

Professor & Dean-SRIC

Ph.D. (Indore), M Tech, MSc

Areas of Interest: Business Strategies for Sustainability, Adoption and Diffusion of Cleaner Technologies, Stakeholder Engagement and Strategic CSR



Singh, Anju

Associate Professor

Ph.D. (IIT Bombay)

Areas of Interest: Sustainable business development, Life Cycle Assessment, Design for Environment, Corporate Social Responsibility



Unnikrishnan, Seema

Professor

Fellow (NITIE), MSc, PGD (Environmental law)

Areas of Interest: Environmental Mgmt, Environmental Legislation, Air Quality Mgmt



NITIE offers a crafted programme to the industrial needs which are a perfect blend of theoretical and practical knowledge combined with research initiatives, to equip the budding managers for transforming themselves into future leaders capable of steering business organisations. NITIE adopt a very niche blend of Research and Training to enhance knowledge base in our students and refine their skills. To cater to this, we have 9 centres, created to support and augment domain-specific research among members of faculty and entrepreneurship among students. NITIE, through its strengthened corporate interactions and international relations, students exchange programme with leading foreign universities, provides an understanding of global practices.

Prof. Shirish Sangle

Dean(Sponsored Research and Industrial Consultancy)

A GLIMPSE OF NITIE





**Prof Narayan,
Rao KVSS**
Program Co-ordinator (PGDIE)

The “Post Graduate Diploma in Industrial Engineering (PGDIE)” started in 1971, is the two-year flagship programme of NITIE developing industrial engineers and managers who are excelling in global organizations in leadership positions. The programme strengthens the technical skills and provides inputs in business and managerial skills to equip them to drive and address the challenges of managing efficiency and productivity in various engineering and business functions like Manufacturing, Supply Chain, Product Design, Maintenance, Information Systems, Marketing and Finance. The course contains wide variety of courses covering a number of Industrial Engineering Methods and Techniques with applications in the areas of Manufacturing, Product Design, Operations, Supply Chain, IT and Systems, Marketing, Finance and Human Resources Management. The current course structure specially focuses on Fourth Industrial Revolution (Industry 4.0) and provides inputs in the technological and managerial developments accompanying it. The curriculum is based on best pedagogic practices such as cases, projects, computer-aided instructions, group discussions, lectures, seminars, and presentations by domain experts from industries. The course design focuses on all-round development, preparing students to take up multiple responsibilities and excel in industrial and businesses organizations in Consulting, Manufacturing, Distribution, FMCG, Software, Telecommunications and Financial Sector.

“An industrial engineer working in Productivity Management/Industrial Engineering Departments or as manager in any operating department contributes to the competitiveness and employee satisfaction and thereby facilitates operational excellence. Industrial engineers contribute to the welfare of the larger society by promoting growth in economic development and human development”

Industrial Engineering (IE) is a highly specialized techno-managerial area which integrates the entire organization as a single entity. Industrial engineers are systems integrators who focus on end to end solutions. Industrial engineers help their organizations save money and stay competitive. They determine how to do things better, safer and more efficiently. Some of the most reputed companies in the world like Toyota, which are industry benchmarks in quality and productivity, practice Industrial Engineering with a religious zeal.

NITIE recognizes the growing need for qualified and trained professionals to apply engineering and managerial techniques to increase productivity and improve the effectiveness of the organization. PGDIE is the flagship program of NITIE, started in 1971, to satiate the need of the industry for cross-functional competence. The PGDIE offered by NITIE is recognized by Govt. of India, Association of Indian Universities and AICTE. PGDIE is a specialized course that has enjoyed corporate excellence for more than five decades. It was conceptualized with a view to provide students with methodologies and systematic approaches to deal with diverse industrial challenges.

PGDIE has evolved as a course for developing techno-managers with cross- functional skills. Industrial Engineering gives practitioners the opportunity to work in a variety of businesses. The best thing about being an Industrial Engineer is that one can work to improve just about any area of the company, either alone or as a team. The course provides a holistic approach to problem solving and management in wide variety of industries and businesses.

Companies will expect the IE to develop a representative model of their systems and give accurate predictions about future performance. Quantitative modelling is used by many of the larger companies as a viable and required tool. Hence Industrial engineers are considered as business consultants and are very essential for any kind of business which includes FMCG, Consulting, Analytics, Manufacturing, IT and Systems, Financials, Telecom companies.

Scope of the Course

The most distinctive aspect of PGDIE program at NITIE is the flexibility that it offers. PGDIEans work to make things better, be it the processes, products or systems. PGDIE program covers a gamut of domains viz Operations Management, Supply Chain Management, Financial Management, Marketing Management, Systems and IT Management, Project Management, Manufacturing, Productivity Management, Quality Management, Ergonomics/Human Factors, Strategic Planning, System Engineering, Logistics Management, Enterprise Resource Planning to name a few. Thus, an industrial engineer from NITIE has seamless career opportunities in a gamut of industries viz Consultancy, Pharmaceuticals, FMCG, IT/ITES, Banking, Finance, Manufacturing, Textile etc.

Institute Core Courses

- Technology and Innovation Management
- Business Communication
- Industrial Eng. & Productivity Management
- Quantitative techniques for decision making
- Operations Management
- Managerial Economic
- Marketing Management
- Managerial Accounting
- Organizational Behavior
- Information Systems and Artificial Management
- Legal and Ethical Aspects of Business
- Sustainable Development for Business

Summer Project Programme Core Courses

- Procurement and Materials Management
- Project Management
- Operations Research
- Human Factor Engineering
- Supply Chain Management
- Work System Design-I
- Quality Engineering and Management
- Facilities and Layout Planning

Industry/ Research Project

List of electives

Operations & Supply Chain Management

- Logistics Management
- Services Operation Management
- Supply Chain Analytics
- International Operations Management

Accounting and Finance

- Financial Management
- Mergers, Acquisitions and Corporate Restructuring
- Financial Risk Management
- Strategic cost Management
- Financial Time Series Modeling
- Investment Analysis And Portfolio Management
- Derivatives and Financial Modeling
- International Finance
- Fixed Income And Structured Finance
- Asset Valuation And Modeling
- Financial Intermediaries And Markets
- Advanced Financial Statement Analysis
- Infrastructure Finance And Project Management

Engineering Technology and Project Management

- Network Manufacturing
- Design of a Smart Manufacturing Plant
- Strategic New Product Development
- Model based approach to Project Management

- Competitive Intelligence, Networks and strategy modeling
- Management of Technology Transfer and Acquisition
- Project Risk Management
- Managing Global Projects
- R&D Project Management
- Management of Intellectual Property
- Roadmap through Innovation Forecasting And Foresight
- Managing Creativity
- Business Models for Digital Platform
- Managing Complex and Large Engineering Projects
- Technology Entrepreneurship for Engineers

Economics and Strategy

- Business Analysis and Econometric Applications
- Industrial Organization
- Macroeconomic Environment and Policy
- Industrial Resource Economics
- Digital Economics
- Indian Economy
- Network Economics
- Global Competitiveness
- Public System And Policy

Environmental Engineering Management

- Environmental Impact Assessment for Development Projects
- Shop Floor Waste Management
- Strategic Corporate Social Responsibility
- Sustainability Standards & Guidelines
- Energy Management
- Sustainable Operations Management
- Business Strategies for sustainability
- Environmentally sustainable strategy & operations

Marketing

- Marketing for Hi Tech Products
- Pricing for Industrial Products
- Services Marketing
- Marketing Research
- Marketing Analytics
- International Marketing
- Digital Marketing

Decision Science And Information Systems

- Information Systems For Manufacturing Asset Management
- Emerging Technologies In Manufacturing
- Fuzzy Logical Problem Solving
- Multi Objective Optimization
- Business Analytics using Data Mining
- Enterprise Resource Planning
- IoT for Industrial Application
- Cloud Computing for Business
- Big Data Analytics
- Business Research Methods
- Additional Topics in Artificial Intelligence
- Agile Business through Digital Transformation
- Business Process Management for Risk and Performance Management

- Business Intelligence, Decision Support System & AI Application
- Concepts in Machine Learning
- Concepts in Data Structure and Algorithm with Python Programming
- E-Commerce System for Business
- E-Customer Relationship Management
- IT Consultancy Management
- Digital Strategy
- IT Risk Management
- Data Analytics and Knowledge Management
- Advanced Statistics
- Time Series and Forecasting
- Multivariate Data Analysis
- Advanced Operation Research
- Agent Based Modeling and Simulation
- Markovian Decision Process

Industrial Engineering and Manufacturing Systems

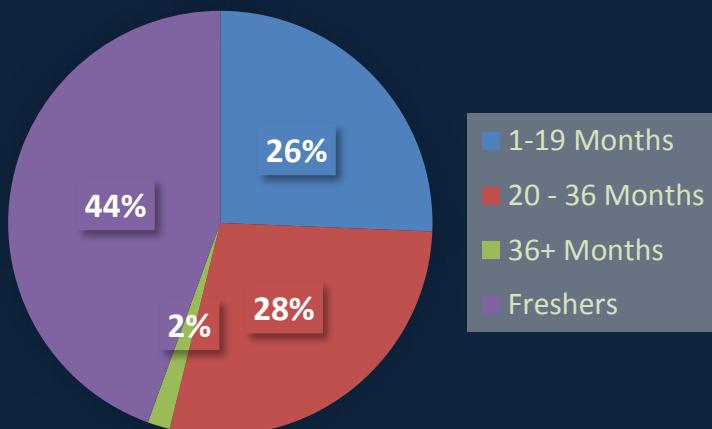
- Fuzzy Logic & Its Applications In Industrial Engineering
- Global And Collaborative Manufacturing
- Lean Manufacturing
- Maintenance Management
- Manufacturing Strategy
- Manufacturing system Design
- Manufacturing systems and Service operations
- Additive Manufacturing
- Ergonomics Assessment Tools in Industrial Health and Safety Management
- Ergonomics in Manufacturing Industry
- Simulation Modeling and Analysis
- System Dynamics Modeling
- Intelligent Optimization Techniques for SCM
- Reliability Engineering
- Flexible Manufacturing System
- Computer Integrated Manufacturing
- Manufacturing Planning and Control

Organizational Behavior & Human Resource

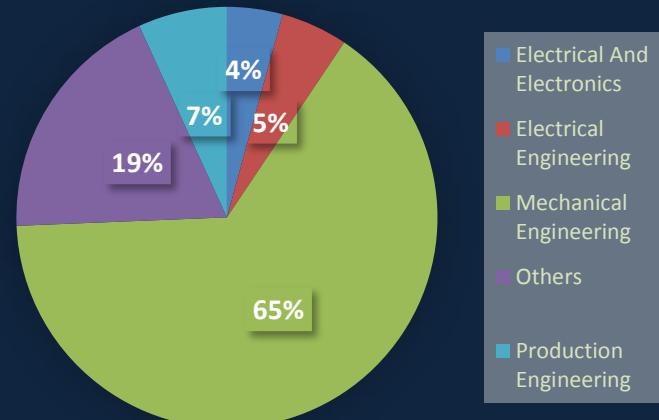
- Human Resource Management
- Principles of Organization And Management
- Training and Development
- Organizational Change and Development
- Cognitive Psychology
- Leadership Development
- Cross Cultural Development
- Managing Human Resources and Industrial Relations
- Soft Skills Development
- Qualitative Research
- Entrepreneurship Development
- AICTE Student Startup
- HR Analytics

The course curriculum of NITIE offers one of the best mixes of Industrial engineering and management subjects. It has evolved over the years with strong industry – institute interface providing students with strong fundamentals to counter the challenges of the ever-changing industry needs. Apart from the core courses, the students are allowed to choose 10 electives out of which 8 must be from the stream specific electives i.e. Operations & supply chain management, OR & quantitative techniques and Ergonomic and human factors and remaining 2 are open electives.

PGDIE 2018-20 BATCH PROFILE



PGDIE 2018-20 Under Graduation Stream



ORGANIZATIONS PGDIE (2018-20) STUDENTS CAME FROM

Adani Enterprises Ltd.	IOCL	Reliance Jio
Bajaj Auto Ltd.	JSW Steel Ltd.	Robert Bosch Engineering & Business Solutions Ltd
BALCO, Vedanta Group	LPU, Jalandhar	Sayan Greenochem Pvt Ltd
BPCL	Mahindra & Mahindra Ltd.	SMS Infrastructure Ltd.
Cognizant Technology Solutions	Magvas Machine Protection	Tata Consultancy Services
DRDO	Man Trucks India Pvt.Ltd.	Tata Motors Ltd.
Ericsson India Ltd.	Maruti Suzuki India Ltd.	Technip Ltd.
Fluor Daniel India Pvt Ltd.	Mitsubishi Elevator India	Thyssenkrupp Industrial Solutions
Ford Motors Ltd.	MRF Ltd.	UPL Ltd.
Hero Motocorp Ltd.	Oceaneering International Service Ltd.	Whirlpool of India Ltd
Honda Cars Ltd.	ONGC	Setco Automotive Ltd
	Pentair Thermal Ltd.	



Prof Akarte, Milind M
Program Co-ordinator
(PGDMM)

"Post Graduate Diploma in Manufacturing Management" is a two-year full-time program designed carefully, based on the inputs from key stakeholders such as industries, academia, and alumni. This program aims at developing skilled graduates, who can design and re-design World Class Manufacturing systems that provide a cutting edge to business strategy. The program also provides unique learning propositions and equips them with the evolving concepts, perspectives and approaches towards effective business practices. The curriculum also offers a wide variety of courses in core manufacturing management and allied areas like finance, economics, marketing, IT and organization design. Additionally, students have a wide choice of electives from Industrial Engineering & Manufacturing Systems, Operations and Supply Chain Management, Decision Sciences and Information Technology. This unique structure facilitates students to adapt to the dynamic business environment and develop decision-making abilities in pursuit of manufacturing competitiveness.

Manufacturing plays a vital role in the economic growth of a country. To expedite its endeavour of building India a manufacturing Hub Government of India from time to time has taken keen initiatives like Make in India, and Digital India. In line with this, NITIE offers a two-year full-time Post Graduate Manufacturing Management Program that will facilitate students in developing their skills and decision-making capabilities in the manufacturing domain giving them a cutting edge in executing the business strategy at the manufacturing function level. It would also help in exploiting the manufacturing capability from the business competitiveness point of view. The program aims at creating professionals equipped to meet the challenges in manufacturing management.

A scientific approach to management of manufacturing function allows understanding of how production processes, people and skills within the business organization can be efficiently and effectively deployed to meet the business objectives from market competitiveness. The program has been designed to address manufacturing issues like capacity analysis for responsiveness, facility analysis for product variety, compatibility analysis between new product design and manufacturing set-up, facilities relocation, vertical integration, waste reduction, etc. This program facilitates in shaping students' proficiency in manufacturing domain through a structured and comprehensive approach. Manufacturing Management Students are required to undergo a mandatory, self-funded student exchange program at PEC University, Chandigarh for two weeks at the end of Module-2.

Scope of the Course

- The program would provide a multi-disciplinary approach to facilitate students in grasping the need for different functions like procurement, marketing and supply chain in developing the manufacturing strategy and exploiting the manufacturing capability for achieving business competitiveness.
- The program would give a perspective across value spectrum through factor input market, manufacturing systems, a delivery system with specialized inputs in areas like Additive Manufacturing, Computer Integrated Manufacturing, Quality Engineering, Sustainable Manufacturing, IT value in a manufacturing system, etc.

Institute Core Courses

- Industrial Engineering & Productivity Management
- Operations Management
- Managerial Economics
- Marketing Management
- Business Communication
- Quantitative techniques for Decision Making
- Managerial Accounting
- Organization Behavior
- Information Systems and Artificial Intelligence
- Technology & Innovation Management
- Sustainable Development for Business
- Legal and Ethical Aspects of Business

Summer Project

Industry/Research Project

PROGRAMME CORE COURSES

- Work System Design
- Quality Engineering and Management
- Supply Chain Management
- Manufacturing Strategy
- Manufacturing System Design
- Manufacturing Planning and Control
- Facilities and Layout Planning
- Industrial Ergonomics

Institute Elective Courses

ACCOUNTING AND FINANCE

- Financial Management
- Mergers, Acquisitions and Corporate Restructuring
- Financial Risk Management
- Strategic Cost Management
- Financial Time Series Modelling
- Investment Analysis and Portfolio Management
- Derivatives and Financial Modelling
- International Finance
- Fixed Income and Structured Finance
- Commercial Bank Management
- Analytical Finance
- Asset Valuation and modelling
- Financial Intermediaries and Markets
- Advanced Financial Statement Analysis
- Infrastructure Finance and Project Management

Economics and Strategy

- Macroeconomic Environment and Policy
- Industrial Organization
- Business Analysis and Econometric Applications
- Industrial Resource Economics
- Digital Economics
- Indian Economy
- Network Economics
- Global Competitiveness
- Public Systems and Policy

Environmental Engineering Management

- Environmental Impact Assessment for Development Projects (IE/PM)
- Shop Floor Waste Management (IE/MM)
- Strategic Corporate Social Responsibility (IE)
- Sustainability Standards and Guidelines (IE/MM)
- Energy Management (IE/MM)
- Sustainable Operations Management (IE/MM)
- Business Strategies for Sustainability (MM/PM)
- Environmentally sustainable strategy & operations (MM)

Marketing

- Marketing for Hi Tech Products
- Pricing for Industrial Products
- Services Marketing
- Marketing Research
- Marketing Analytics
- International Marketing
- Digital Marketing

Organization Behavior and Human Resource

- Human Resource Management
- Principles of Organization and Management
- Training and Development
- Organizational Change and Development
- Cognitive Psychology
- Leadership Development
- Cross Cultural Development
- Managing Human Resources and Industrial Relations
- Soft Skills Development
- Qualitative Research
- Entrepreneurship Development
- AICTE Student Startup
- HR Analytics

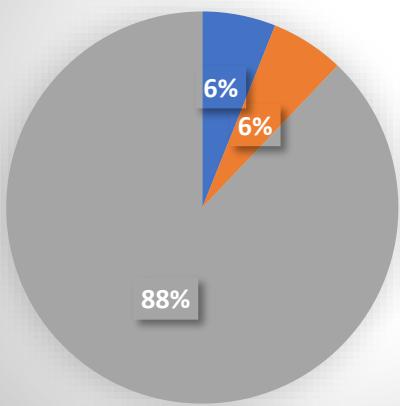
Programme Elective Courses

- Industrial Engineering and Manufacturing Systems
- Product Life Cycle Management
- Design for Manufacturing & Assembly
- Strategic Procurement
- Lean Product Development
- Additive Manufacturing
- Reliability Engineering
- Network & Collaborative Manufacturing
- Lean Manufacturing
- Product Design, Process Planning and Cost Estimation
- Simulation Modeling and Analysis
- System Dynamics Modeling
- Maintenance Management
- Flexible Manufacturing System
- Computer Integrated Manufacturing
- Manufacturing Modeling – Quantitative Approach
- Intelligent Optimization Techniques for SCM

Operations and Supply Chain Management

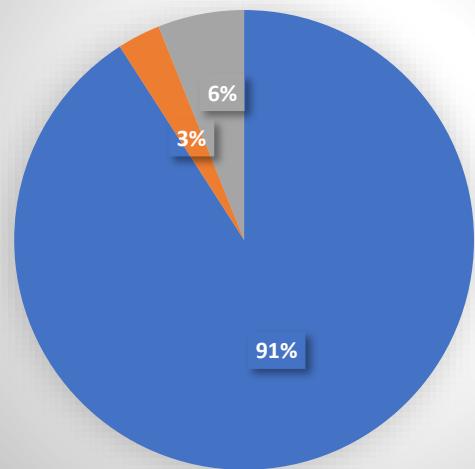
- Supply Chain & Inventory Management
- International Operations Management
- Supply Chain Analytics
- Logistics Management
- Decision Sciences and Information Systems**
- Operations Research
- Information System for Manufacturing Asset Management
- Emerging Technologies in Manufacturing
- Business Analytics using Data Mining
- Enterprise Resource Planning
- IoT for Industrial Applications
- Big Data Analytics
- Business Research Methods
- Additional Topics in Artificial Intelligence
- Agile Business through Digital Transformation
- Business Process Management for Risk and Performance Management
- Business Intelligence, Decision Support System & AI Applications
- Concepts in Machine Learning
- Concepts in Data Structure and Algorithm with Python Programming
- E-Commerce System for Business
- E-Commerce Relationship Management
- IT Consultancy Management
- Digital Strategy
- IT Risk Management
- Data Analytics and Knowledge Management
- Advanced Statistics
- Time Series and Forecasting
- Multivariate Data Analysis
- Advanced Operations Research
- Agent Based Modeling and Simulation
- Markovian Decision Process
- Engineering Technology and Project Management**
- Project Management
- Network Manufacturing
- Design of a Smart Manufacturing Plant
- Strategic New Product Development
- Model based approach to Project Management
- Competitive Intelligence, Networks and Strategy Modelling
- Management of Technology Transfer and Acquisition
- Project Risk Management
- Managing Global Projects
- R&D Project Management
- Management of Intellectual Property
- Roadmap Through Innovation
- Forecasting and Foresight
- Managing Creativity
- Business Models for Digital Platform
- Managing Complex and Large Engineering Projects
- Technology Entrepreneurship for Engineers

PGDMM 2018-20 BATCH PROFILE



■ 1-19 Months
■ 20 - 36 Months
■ Freshers

PGDMM 2018-20 Under Graduation Stream



■ Mechanical Engineering
■ Others
■ Production Engineering





Prof. V. B. Khanapuri
Program Co-ordinator
(PGDPM)

Welcome to the Post Graduate Diploma in Project Management (PGDPM) program at NITIE. This two-year residential full time program is designed to nurture and transform young energetic engineering graduates to project professionals with potential to conceptualize, plan and execute projects across different functional domain.

The program provides ample opportunity for the budding project professionals to learn and develop sound knowledge-base on contemporary project management concepts in a holistic manner along with various strategic/operational tools & techniques that are essential for executing projects, programs and portfolio successfully.

The pedagogy is designed to foster effective learning, develop critical thinking skills, competence in quantitative analysis in the field of engineering project management. The academic curriculum ensures that students while having a broader perspective across the value chain through the Institute core and institute elective courses, will at the same time allow students to develop the depth in the domain of projects through various core and elective courses. The program provides understanding across the different project management knowledge areas and gives the details through focus on different processes like Initiation, Planning, Execution, Monitoring & Control along with topics like, Contract Management, Project Finance, Project portfolio management, Risk Management etc. Additionally, students are exposed to industry interaction in the form of industry visits and guest lectures by eminent industry experts in the area of project management. This unique structure of the program ensures that the students are industry ready for volatile and competitive business environment and contribute towards the productivity of organization.

The course has been developed based on NITIE's close association with the industry and different professional bodies in the field of Project Management. The program design is based on foundations of industrial engineering and management with professional skill development courses. The focus is to achieve a blend of sound theoretical knowledge with practices in the field of project management. The program core courses build proficiency in engineering and construction projects along with different types of projects executed across the supply chain domain through an understanding of subjects like Project finance, Project Planning and control, Project execution, Project Procurement and contracts management. The program helps the students to develop understanding of human resource issues in the projects, techniques of dealing with quality, software and IT systems, etc. The electives offered in the program allow engineers from different disciplines to select special engineering and management subjects to enhance their subject expertise in tune with careers of their choice.

Scope of the Course

As per the data of Ministry of Statistics and Program Implementation, India (MOSPI) more than 60% of the projects in India are plagued by time and cost overruns. This is majorly because of the absence of project management skill sets in the project team. Therefore, realizing the need to develop a deeper understanding of project management, NITIE has started the most interactive and distinctive Post Graduate Diploma in Project Management program (PGDPM). Project management provides a complementary skill set that blends well with other management verticals. The course has graduate engineers with an attitude seeking challenging opportunities in the dynamic business environment where management by projects has become a way of life. The program has been conceptualized with a view to provide students with methodologies to deal with diverse industrial challenges. Project management post graduates will help in development, implementation and management of large investment projects by both government & private industries and will also help in contributing to various internal projects across different industries and sectors. It will develop project managers who are responsible for the safe, timely and cost-effective delivery of a broad range of projects in industry. The most distinctive aspect of PGDPM program at NITIE is the flexibility that it offers. The program will help the students contribute towards making things better, be it the processes, products or systems. The PGDPM program is for those who wish to move either in the technical or business field, or into a new field of expertise.

Institute Core Courses

- Industrial Engineering & Productivity Management
- Operations Management
- Managerial Economics
- Marketing Management
- Business Communication
- Quantitative techniques for Decision Making
- Managerial Accounting
- Organization Behavior
- Information Systems and Artificial Intelligence
- Technology & Innovation Management
- Sustainable Development for Business
- Legal and Ethical Aspects of Business

Summer Project

Industry/Research Project

PROGRAMME CORE COURSES

- Project Appraisal and Feasibility
- Project Planning and Scheduling
- Project Finance and Cost Budgeting
- Project Execution
- Agile Project Management
- Project Risk Management
- Project Site and Plant Design
- Strategic Project Management

Institute Elective Courses

ACCOUNTING AND FINANCE

- Financial Management
- Mergers, Acquisitions and Corporate Restructuring
- Financial Risk Management
- Strategic Cost Management
- Financial Time Series Modelling
- Investment Analysis and Portfolio Management
- Derivatives and Financial Modelling
- International Finance
- Fixed Income and Structured Finance
- Commercial Bank Management
- Analytical Finance
- Asset Valuation and modelling
- Financial Intermediaries and Markets
- Advanced Financial Statement Analysis
- Infrastructure Finance and Project Management

Economics and Strategy

- Macroeconomic Environment and Policy
- Industrial Organization
- Business Analysis and Econometric Applications
- Industrial Resource Economics
- Digital Economics
- Indian Economy
- Network Economics
- Global Competitiveness
- Public Systems and Policy

Environmental Engineering Management

- Environmental Impact Assessment for Development Projects (IE/PM)
- Shop Floor Waste Management (IE/MM)
- Strategic Corporate Social Responsibility (IE)
- Sustainability Standards and Guidelines (IE/MM)
- Energy Management (IE/MM)
- Sustainable Operations Management (IE/MM)
- Business Strategies for Sustainability (MM/PM)
- Environmentally sustainable strategy & operations (MM)

Marketing

- Marketing for Hi Tech Products
- Pricing for Industrial Products
- Services Marketing
- Marketing Research
- Marketing Analytics
- International Marketing
- Digital Marketing

Organization Behavior and Human Resource

- Human Resource Management
- Principles of Organization and Management
- Training and Development
- Organizational Change and Development
- Cognitive Psychology
- Leadership Development
- Cross Cultural Development
- Managing Human Resources and Industrial Relations
- Soft Skills Development
- Qualitative Research
- Entrepreneurship Development
- AICTE Student Startup
- HR Analytics

Programme Elective Courses

Industrial Engineering and Manufacturing Systems

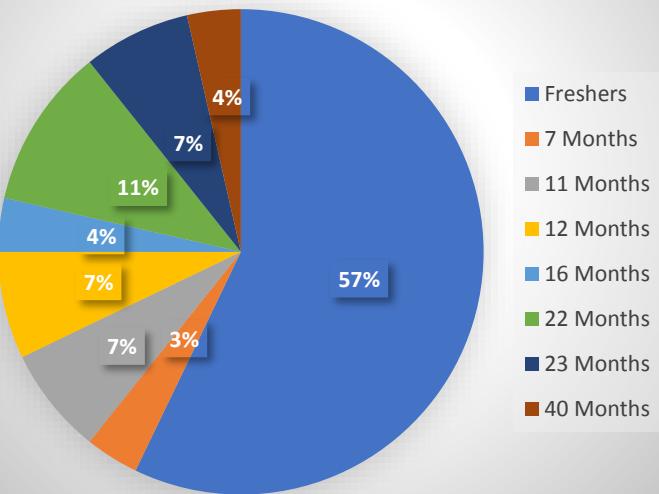
- Simulation Modelling and Analysis
- System Dynamic Modelling

Operation and Supply Chain Management

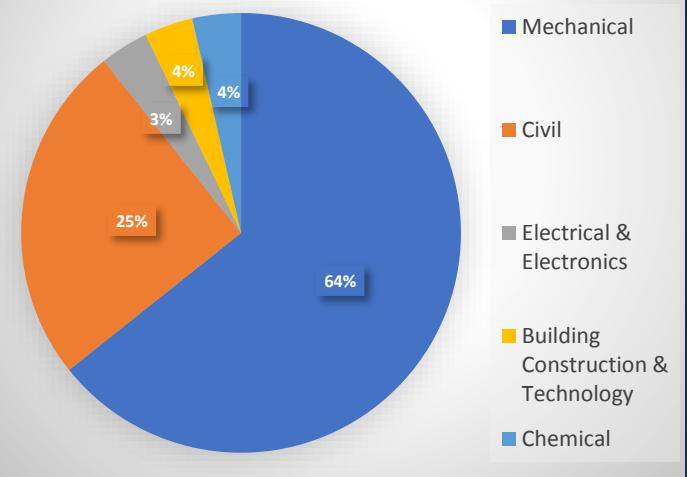
- Logistic Management
- Service Operation Management
- Supply Chain Analytics
- Decision Science and Information System
- Operation Research
- Business Analytics using Data Mining
- Enterprise Resource Planning
- Managing Digital Transformation in the Enterprise

- Big Data Analytics
- Business Research Methods
- Additional topics in Artificial Intelligence
- Agile Business through Digital Transformation
- Business Process Management for Risk and Performance Management
- Business Intelligence Decision Support System and AI Applications
- Concepts in Machine Learning
- Concepts in Data Structure and Algorithm with Python Programming
- E-commerce for Business
- E-customer Relationship Management
- IT Consultancy Management
- Digital Strategy
- IT Risk Management
- Data Analytics and Knowledge Management
- Advanced Statistics
- Time Series and Forecasting
- Multivariate Data Analysis
- Advanced Operations Research
- Agent-based Modelling and Simulation
- Markovian Decision Process
- **Engineering Technology and Project Management**
- Project Procurement and Contract Management
- Quantitative Modelling for Project Management
- Technology Entrepreneurship for Engineers
- Management of Technology Transfer and Acquisition
- Competitive Intelligence Networks and Strategy Modelling
- R & D Project Management
- Strategic new Product Development
- Managing Complex and large Engineering Projects
- Model-based approach to Project Management
- Management of Intellectual Property
- Managing Creativity
- Project Stakeholder and Communication Management
- Project Configuration and Change Management
- Safety in Construction Management
- Event Management
- Healthcare Project Management
- Real Estate Development and Management
- Program Management
- Project Negotiation Management
- Managing Global Projects
- Management of Intellectual Property
- Road map through Innovation and Forecasting and Foresight
- Managing Government/Défense Projects
- Business Models for Digital Platform

PGDPM 05: Work Experience



PGDPM 05: Engineering stream



Organizations PGDPM (2018-20) students came from

Bluestar

Hero Motor Cops

Bharat Sanchar Nigam Limited

United Phosphorous Limited

Bajaj Auto

Voltamp Transformers Limited

Caterpillar Heavy Industry

Tata Consultancy Services

ADMISSIONS 2019



"NITIE continues to be a pioneering Institution offering industry driven curriculum over last five decades and is excelling at adapting to industry's ever changing technological and managerial landscape. We at NITIE through a dynamic and flexible curriculum strive to build future through leaders who will ensure their imprint in the business fortunes of the nation. I invite you to be part of this illustrious academic heritage."

Prof. Sachin S. Kamble
Admissions Coordinator

ELIGIBILITY AND SELECTION

INDIAN APPLICANT

For all the above Programmes, the applicant should have **valid GATE** (Graduate Aptitude Test in Engineering) score as on June 15, 2019, with 60% aggregate marks [relaxable by 5% in case of SC/ST/PwD (Physically Disabled) candidates] at graduation in Engineering/Technology. For PGDIE, applicant with any branch in Engineering/ Technology can apply. For PGDMM candidates with following engineering disciplines can apply – mechanical, production, automobile, chemical, textile, electrical, electronics and other relevant branches such as industrial engineering, instrumentation and industrial electronics. For PGDPM candidates with following engineering disciplines can apply – mechanical, production, automobile, chemical, civil, textile, electrical, electronics and other relevant branches such as industrial engineering, instrumentation and industrial electronics.

Final year Engineering/Technology students can also apply, provided they qualify the above criteria for exams appeared till date. Students appearing for final year exams in 2019 will be permitted to submit their result by September 30, 2019. Their admission will stand canceled in case they fail to meet the qualifying requirements.

As per Govt. of India rules, reservation of seats exists for SC/ST/OBC-NC (Non-Creamy) and PwD candidates.

SPONSORED SEATS

Few seats in PGDIE, PGDMM and PGDPM are available for Sponsored Candidates. Sponsored Candidates must be from reputed Industrial Organizations/Academic Institutions. The Candidates must have aggregate 60% marks at graduation in Engineering /Technology with two years of full-time work experience as on last date of submission of application as prescribed in the advertisement. **GATE score is not required for sponsored candidates. However, they are required to attend a written test and Personal Interview to be conducted at the institute.**

Sponsored candidates should also fill-in the Sponsorship Form available on the NITIE website. No teaching assistantship is granted to Sponsored candidates.

INTERNATIONAL APPLICANT

15% of the approved intake (in supernumerary quota) will be reserved for international students in the above PG programmes offered by NITIE. Entry level qualification shall be at par with that of Indian students as specified above and the candidate should have a valid GRE score. Foreign candidate should have a valid TOEFL / IELTS score also. TOEFL/ IELTS score more than two years old will not be considered. All international candidates will have to submit a SOP (Statement of purpose) and two LORs (Letters of recommendations).

International candidates are Indian nationals or foreign nationals. They can apply in ANY ONE of the following FOUR categories as an international candidate.

1. Non-Resident Indian (NRI)
2. Persons of Indian Origin (PIO)
3. Foreign Candidate
4. SAARC country nationals and children of Indian workers in Gulf countries

The candidate has to satisfy the following conditions to become eligible as an international candidate:

Candidate should possess a valid passport or travel document of residing outside India and NOT in a position to take the Graduate Aptitude Test in Engineering (GATE) for PGDIE/ PGDMM/ PGDPM conducted by Indian Institute of Technology at various centres in India or Common Admission Test (CAT) for PGDIM/ PGDISEM conducted by Indian Institute of Management at various centres in India.

Candidate should have been (expected to be) resident outside India for a period of 18 months or more during preceding two years and be outside India during the GATE/CAT (as applicable) examination window . In this case, candidate can apply through Graduate Record Examination (GRE) score for PGDIE/ PGDMM/ PGDPM or through Graduate Management Aptitude Test (GMAT) score for PGDIM/ PGDISEM as applicable.

APPLICATION PROCEDURE

Interested candidates should apply through **ONLINE** mode only.

Application Fee: Application Fee for each programme is Rs.1000/- (Rs.500/- in case of SC/ST/PwD candidates) for applicants from India and SAARC countries and USD 50 for International students, plus bank charges as applicable. The fee can be paid online. Fulfillment of minimum qualifications is not an automatic claim to be called for Group Discussion and Personal Interview.

ADMISSION PROCESS

Admission is based on Group Discussion (GD), Personal Interview (PI) with appropriate weightage to GATE/ GRE score (as applicable), academic performance and relevant experience of reputed Industrial Organization/Academic Institution. All the shortlisted candidates will be called for GD and PI at NITIE, Mumbai. Shortlisted International candidates should attend GD and PI along with Indian students or take up an extempore speech and PI through video conferencing.

For all other details visit www.nitie.edu

All communications should be addressed to:

ASSISTANT REGISTRAR (ACADEMIC)

NITIE, Vihar Lake, P.O. NITIE

Mumbai – 400087

Phone: +91-22-28035363/+91-22-28035224/+91-22-28573371 Ext: 5363/5224 (9.00 am to 5.00 pm)

Fax: +91-22-28573251

E-mail: admission.iemmpm@nitie.ac.in

FINANCIAL ASSISTANCE/SCHOLARSHIP

GATE qualifiers will get Teaching Assistantship (at present Rs.12400/- per month) and contingency expenditure as per rules. SC/ST candidates are granted Central Sector Scholarship as per the scheme of Govt. of India vide letters No.11016/19/2005-SCD-I dated 21.6.2007 and 19012/36/05-Education dated 27.6.2007 subject to the satisfactory fulfillment of terms and conditions mentioned therein.

30% Waiver of Tuition Fee: Any student entering the postgraduate Programmes whose total family income does not exceed Rs. 2.50 lakhs in the last financial year shall be eligible for 30% waiver in Tuition fee (Academic Charges) under the Scheme. Annual family income is defined as the income of parents and spouse if any.

50% Waiver of Tuition Fee: All students entering the postgraduate Programmes whose total family income does not exceed Rs. 1.00 lakh in the last financial year shall be eligible for 50% waiver in Tuition fee (Academic Charges) under the Scheme. Annual family income is defined as the income of parents and spouse if any.

TOTAL SEATS (Including seats for sponsored candidates)		
PGDIE	PGDMM	PGDPM
126	40	40

IMPORTANT DATES

Online Application Begins	February 06, 2019
Online Application Closes	April 01, 2019, 17:00 IST
Group Discussion/ Personal Interview	22, 23,24 April 2019 (Tentative)
Course Begins	June 2019

FEE STRUCTURE FOR INDIAN STUDENTS (*Under Revision)

Serial No.	Fee Nomenclature	1st Year(INR)	2nd Year (INR)
1	Academic charges*	2,20,000	2,20,000
2	Facilities charges	64,000	64,000
3	Student welfare and activities charges**	33,000	33,000
4	Hostel charges	24,000	24,000
5	Deposits	28,000	
	TOTAL	3,69,000***	3,41,000

*SC/ST students, whose annual family income is less than Rs 4.5 lakhs are exempted from payment of Academic charges but such students shall have to pay all other charges and deposits.

** Project & Placement facilities charges amounting to Rs.10,000/- not applicable to Sponsored students.

*** First-year fees (Rs. 3,69,000/-) to be submitted in total at the time of admission.

KINDLY NOTE: Sponsored candidates shall have to pay their fees for the entire Programme of 24 months at the time of admission.

STRUCTURE FOR INTERNATIONAL STUDENTS

Serial No.	Fee Nomenclature	Annual fee
1	Foreign Student Category	28,000 (USD)
2	Candidates belonging to PIO (Persons of Indian Origin)	26,000 (USD)
3	Candidates belonging to NRI (Non-Residential Indian)	26,000 (USD)
4	Candidates who are children of Indian workers in Gulf countries	At par with Indian Students
5	Candidates from SAARC Countries	At par with Indian Students

OFFER ACCEPTANCE, WITHDRAWAL AND REFUND

Candidates shortlisted for admission to the Programme at NITIE will be intimated by email and/ or online notification. Individual regret communication will not be sent to applicants. A candidate receiving admission offer from NITIE, Mumbai and accepting the offer within the stipulated date specified must pay the full admission fee for one year to secure the seat in a Programme. If a candidate subsequently withdraws the admission at any point of time then the paid amount will be refunded after deducting processing charges as per norms as described below:

A candidate who does not join the Programme after paying the academic charges, other annual charges and deposits, etc. and has intimated the Institute of his/her decision of not joining, and if this intimation is received in writing by the

Institute before commencement of the Programme and if the vacant seat is filled by the waitlisted candidate then the academic charges, other charges and deposits will be refunded as per Government of India rules vide notification no. 14-4/2007 –U.3(A).

When a student discontinues from the Programme after joining the Programme or is terminated by the Institute, whether in the beginning or mid-way and the resultant vacancy cannot be filled by the waitlisted candidates, then the academic charges and other annual charges paid by him/her will be forfeited.

However, his/her deposits will be refunded to him/her after deducting the outstanding amounts specified with regard to the NO DUES CERTIFICATE issued by various departments.

MEDICLAIM

Mediclaim policy is mandatory for all the students (including sponsored candidates) enrolling to various programs. Annual premium coverage for Rs.1,00,000/- will be collected along with other fees.

ANTI RAGGING REGULATION

A student seeking admission shall have to submit affidavits countersigned by his/her parents or guardians in the forms prescribed by the institute at the time of joining these programmes.

JURISDICTION

In all matter of interpretations, the decision of the Institute shall be final and binding on the candidate. Any legal matter related to admission shall be subjected to the jurisdiction of court, Mumbai, India.

The recruitment process facilitates company interaction with the students of NITIE. The process comprises of the following stages-

PRE-PLACEMENT TALKS

The process begins with the Pre- Placement Talks, a platform for candid and free interaction between the company and the students. It normally starts with the company presentation introducing the company, its growth path and the career opportunities within the company, followed by an interactive discussion.

SELECTION PROCESS

The selection process is based on the institute rules and regulations and the company's recruitment process.

SUMMER INTERNSHIP

A distinguished feature of the NITIE pedagogy is the 8-week summer internship. The objective of this practical management assignment is to incline the students towards application of the classroom learning that they get. NITIE campus witnessed a wide assortment of best-known names from both the Indian as well as the international business circles, giving its students a good number of choices in securing their summer jobs. It also assists the students to be more receptive to the market needs and to gain insight into their areas of interest, to facilitate their specialization in the second year. It further aims to serve as a platform towards building a long and fruitful relationship between the institute and the organization.



Summer Internship Highlights [Batch of 2020]

LATERAL RECRUITMENT PROCESS

In Lateral Recruitment Process (LRP), students having a threshold duration of work experience participate. The Lateral Placements are likely to happen in the last week of November/first week of December. During LRP, students are offered higher than entry level placements. LRP provides the opportunity for both students and the corporate to leverage the candidates' rich and diverse experience.

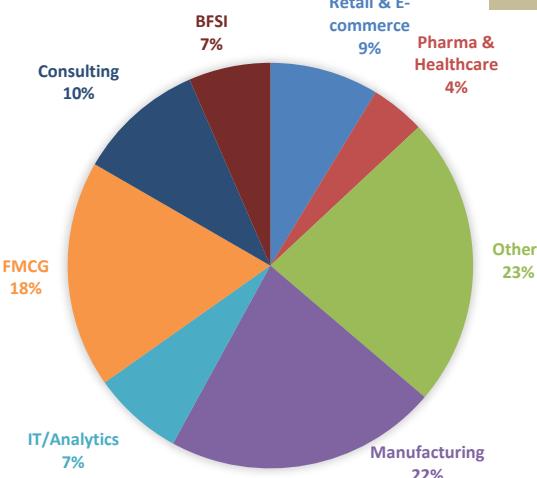
CAMPUS RECRUITMENT PROCESS

Campus Recruitment Process (CRP) is tentatively scheduled during the first half of January. NITIE follows a slot process wherein companies are slotted on different days based on various criteria – Profiles Offered, Career Growth Opportunity, Remuneration, Past Relationships with the company etc.

	PGDIE	PGDMM	PGDPM
Maximum	30	27.58	25.57
Average	19.95	17.01	16.98
Minimum	12	11.49	11

(All figures are in Lakhs)

SECTOR WISE OFFERS



Placement Highlights [Batch of 2019]



DISTINGUISHED ALUMNI

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Alumni Footprint



Dr. Rakesh Sinha Global Head - Supply Chain, Manufacturing and IT Godrej Consumers Pvt Ltd	Dev Bhattacharya Business Head, New Business Ventures, Solar & E-commerce Aditya Birla Group	Neeraj Garg Vice President-Commercial Tata Motors
Murali B. Deployment Director British Petroleum	Dinakar Kini Vice President & Head - OFSAA Consulting Japan & APAC Oracle	Brijesh Dubey Head IT (Quality) Sun Pharma
Amit Bansal Senior IT Leader Apple Inc.	Mayank Khandelwal Client Coverage Lead IndusInd Bank	S. Ilango Vice President -HR Sundaram Clayton Ltd Group
Munish Nandwani Supply Chain Director Unilever	Nandkumar Kulkarni Director, Manufacturing, India Mondelez International	Anubhav Asthana Managing Director (Consulting) Deloitte
Tankeswar Baishya Senior Director - Supply Chain Philips India	Milind Shivaji Khade Vice President Barclays Capital	Bishnupada Sethi Head Of Disaster Management Government
Swapnil Joshi Head Of Customer Service Unilever	Randhir Singh Head-Structured Finance Edelweiss Financial Services	Rajeev Pathak Managing Director Citi Bank
Sanjay Kumar Saini Senior Director Johnson & Johnson	Nitin Binnani Associate Director P&G	Shibhu Nambiar Director- Product Management GeP
Neelesh Lakhani Consultant US Army	Sanjeeb Kumar Sahu Associate Director - Network Operations Colgate Palmolive	Deepak Gupta Director- Sweetners Procurement Pepsico International

EVENTS AT NITIE

XXIV CONVOCATION



The 24th ANNUAL CONVOCATION of NITIE was held on a grand scale on 8th of September 2018. The lush green campus of National Institute of Industrial Engineering (NITIE) came alive with celebrations, as the Institute honoured the graduating class of students at the Annual Convocation ceremony. The event was graced by Dr Ganesh Natarajan who was the Chairman 5F World and Social Venture Partners India & Prof. Sanjay G. Dhande who was Chairman NITIE Board of Governors.

This year, a total of 389 Post Graduate Diplomas and 15 Fellowship degrees were awarded by Prof. Karuna Jain, Director, NITIE. The event was marked by the presence of esteemed Guest and other eminent dignitaries.

Arohan is the conglomerate of color, passion and artistry

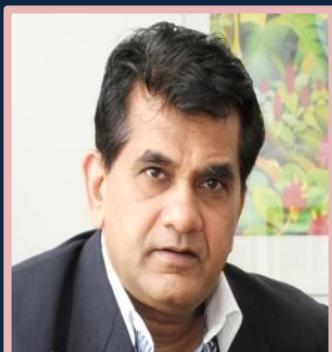
NITIE's annual international corporate festival - a unique knowledge sharing platform for the industry, academia and the student community.



Prerana is a platform that brings together students, industry leaders, and faculty to foster managerial excellence through a series of events and discussions.

Sports extravaganza Josh hosts athletes from various b-schools for a series of events

Distinguished Leader Awardee



**Mr. Amitabh Kant, CEO,
NITI Aayog**

**Prof. Jyeshtharaj Joshi,
Emeritus Professor
Department of Atomic
Energy**



Delighted to visit & address students at NITIE in Mumbai. It easily has the best campus in India amidst forest and lakes, a great faculty and dynamic students. Has potential to be the centre for Manufacturing 4.0.

Empresario Entrepreneurship Awardee



**Mr. Nand Kishore
Chaudhary,
Founder & CMD,
Jaipur Rugs**

Lakshya Business Visionary Awardees



**Mr. Pawan Munjal
Managing Director,
Hero MotoCorp**

INDUSTRIAL ENGINEERING CONCLAVE 2018



IE Conclave is flagship event of Lakshya Avartan. Industrial engineering plays a much bigger role in today's industrial scenario and at NITIE we endure the core values of the same. Topic was "Changing Role of Industrial Engineering in the Emerging World of Industry 4.0". Eminent speaker from industry who enlightened the audience were Dr. V. Kovaichelvan, Director, TVS Motor Company Limited, Mr. Kaustubh Gokhale, Vice- President, Capgemini, Dr. Chandran R., Chief Information and Delivery Officer, Bahwan Cybertek and Mr. Atul Jaggi, Chief Operating Officer, Gabriel India Limited. The event also provided the students an opportunity to interact with the esteemed dignitaries and get insights about supply chain resilience in Indian scenario.

SUPPLY CHAIN CONCLAVE 2018



Under the umbrella of Lakshya, Supply Chain Conclave attempts to bring the best minds in the supply chain from different industries under one roof. It brings in a valuable learning experience for the young budding managers at the institute about the latest developments and challenges in the domain of supply chain management. This year's theme of the conclave was 'Next Generation Global Supply Chain Orchestration'. The noteworthy speakers were Mr. Ankur Bhagat, Associate Director, P&G, Lt. Colonel Vijay Nair, Vice President, Reliance Digital Retail Ltd, Mr. P. Radhamanalan, Head of Jewellery Division, Titan Ltd, Mr. Swaminathan Ramachandran, Chief Operating Officer, Aditya Birla Fashion and Retail Ltd. and Mr. Prasad Shidhaye, Director, J&J India Pvt. Ltd..

MANUFACTURING CONCLAVE 2018



The conclave focusses on latest developments and challenges in the manufacturing sector. This year's manufacturing conclave focussed on 'Servitisation: The changing phase of Manufacturing.' Some of the eminent speakers from the industry who enlightened the audience with their experiences and latest trends in the manufacturing sector were Mr. G.S. Raghu, Vice President, HCCB Pvt. Ltd., Mr. Dilip S. Modak, Senior Vice President, CEAT Ltd., Mr. Avjit Dutta, Global Head, TCS Ltd. and Mr. Anil Parab, Executive Vice President, L&T.

INTERNATIONAL PROJECT MANAGEMENT DAY



On the occasion of International Project Management Day, NITIE and Project Management Institute(PMI) had jointly hosted an industry academia event that brought senior executives from different Industry verticals on a common platform with budding students aspiring to become Project Managers. Project Management Institute (PMI) is the world's leading non-profit professional membership association for the project, program and portfolio management profession.



RESEARCH

NITIE has established several Centres for conducting research viz. Centre for Research in Global Competitiveness of MSMEs; Centre for Communication Studies; Centre for Environmental Studies; Centre for Relevance in Ergonomics & Human Factors Engineering and some others as Development or Resource Centres.

Faculty members engage in research in all thrust areas identified by the institute either as Institute Research Project funded by NITIE, or as Sponsored Research Project funded by external funding coming from industry/ government agency.

Research work is published by the faculty members in peer-reviewed national and international journals. Fellow (Doctoral) students of NITIE get research guidance from the faculty experts in their investigative pursuits. Each quarter NITIE publishes a professional journal; UDYOG PRAGATI – The Journal for practicing managers which elucidate new developments in industrial engineering and allied fields.

CONSULTANCY

NITIE assists various organizations through consultancy services that provide the needed competence and imparts the needed thrust to the organizations by sharing the expertise of a multidisciplinary team with diverse backgrounds. Consultancy assignments undertaken by NITIE are aimed at providing service to the industry by sharing the expertise and competence of experienced NITIE faculty members to diagnose and solve industrial problems objectively in selected areas of industrial engineering and management.

NITIE encourages a participative approach and joint study with company executives and employees during the detailed consultancy assignment. This provides an opportunity for client personnel to understand the nature of problem, approach to the solution and have training on the job. This also helps in smooth implementation of the recommendations evolved as a result of the study.



TRAINING

NITIE offers short-term Management Development Programs (MDPs) for the benefit of the middle and senior level executives to update their skills in industrial engineering, industrial management, industrial safety and environmental management, ergonomics, information technology management, operations and supply chain management, general management, strategy, marketing, finance, economics, human resources management and many other functional areas of management.



In addition, Unit Based Programs (UBPS) are undertaken by NITIE to increase the organization's effectiveness through diagnosing and assessing the training needs in different functional areas and designing training programs to inculcate the latest concepts and techniques in the relevant field of management. It helps companies in identifying areas for improved productivity and enabling the executives and employees to apply the knowledge gained to real life problems in their organizations.



STUDENT COORDINATORS - ADMISSION COMMITTEE



Scan with your smartphone
to get the directions for
NITIE using Google Maps



Scan with your smartphone
to view NITIE's website



From Airport
Take an auto-rickshaw / Taxi



BEST Bus Route Numbers
From Andheri East: 184, 186
From Kanjurmarg West: 460



Main Stations
LT, Dadar, Borivali, Mumbai
Central, Kalyan, Thane
Suburban Stations Nearby
Kanjurmarg West, Andheri East



IIT Bombay (4 km),
L&T Powai (1.5 km),
Hotel Renaissance (1 km)
Ramada Powai Hotel (0.5 km)

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