NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING, MUMBAI

FELLOW ADMISSION BROCHURE 2022

CONTENTS

The government of India and ILO establishes National Insititute for Training in Industrial Engineering.

1963

Executive Development Programmes (EDP) and Management Development Programmes (MDP) begins.

1969

PGDIE
NITIE joins Industrial Engineering Movement with its first Post Graduate Programme

1971

Fellow Program
Launch of Fellow Program (equivalent to PhD degree) in different areas of Industrial Engineering

1984

Name of the Institute changes to **National Institute of Industrial Engineering**

1992

PGDIM
The course begins with the aim of imparting cross-functional management education

1994

PGDSM
A very niche course to focus on environment and sustainability starts at the dawn of new century

2001

A management program to focus on system/IT starts in response to the demand from the corporate world

2006

NITIE celebrates Golden Jubilee

2013

Introduction of Post Graduate Program for Executives Visionary Leadership for Manufacturing (PGDEX-VLFM), and Executive Program conducted along with IIT Delhi

2017

Message From
The Director

Over the last 59 years, NITIE has been a pioneer in delivering excellence in the field of Industrial Engineering and it has been the thought leader in Industrial Engineering education and research, and partner in the manufacturing renaissance of the Nation. The vision and mission of NITIE is dedicated to help Indian businesses to make their presence felt globally. NITIE has decided to act as a driving force not only in manufacturing sector but all dynamic sectors of the Indian economy. It has aligned its vision and activities in line with the current and future needs of the Indian economy.

We have the best-in-class labs for research and a conducive environment that promotes creativity which is what defines this institution. Technology and sustainability walk hand in hand. The students not only become world class professionals but also better human beings. With resilience becoming the new normal in today's world, industries are heavily relying on top notch Industrial Engineering techniques not just to improve productivity but also to generate best practices that would equip companies to deal with competition. Since its inception, NITIE has always been the forerunner in supporting many industries in solving their complex problems through industry outreach activity. The placement figures over the years are a live testimony to the trust that the Industry has on us.

True to words, despite all the uncertainties posed by COVID-19, NITIE has proven its commitment to the aspirations of its aspirants by being the first among the top B schools to release the results on time. NITIE also welcomes the Hon Prime Minister Shri Narendra Modi's idea of "Vocal for Local" in promoting the locals and supporting the capability of our people. NITIE known by its presence as "Mecca of Supply Chain" with a strong legacy, we extend our expertise to support our government to align with the vision of "Atmanirbhar Bharat"–Self reliant India to empower our nation.

Every year, young engineers with big dreams of scaling great heights enter this prestigious institution and step into the corporate world as game changers. Packed with confidence and great ambitions, they bid farewell to NITIE carrying along with them some beautiful memories that they would cherish for a lifetime. We extend a warm welcome to all the aspiring students to come join us on our god's own campus and relish enriching experience.

Prof. Manoj K. Tiwari
Director, NITIE

Message From
The Chairman

It is a great privilege and an honour for me to serve as the Chairman of National Institute of Industrial Engineering, Mumbai. Over the years
, NITIE has established itself as one of India's top management institutes that attracts the best and brightest students from all across the country. The alumni of this reputed institution are sought after by leading companies from across the world.

The institute is committed towards creating a solid platform for nurturing innovation, creativity and excellence within our students. We strongly support interdisciplinary research and development for the benefit of Industry and Society.

We are in a new normal with the Covid -19 reality, which has accelerated the impact of our transition towards a digitized working environment. We know that intelligent choices made during these seemingly critical situations can shape our future for years to come. It helps individuals and institutions to transit from one milestone to another. In this new normal, industries would aspire for leaders who are more inclusive, resilient and agile to manage the resulting uncertainty, yet need emotionally strong managers who have proficient interpersonal skills to manage virtual teams.

We at NITIE help our students to gain new perspectives in an increasingly complex business environment. Our courses deliberate relevant real-world business challenges, and we keep on evolving it with world trends. We impart learning which provides immediate value and impact on the organizations. All of our management programmes are taught by renowned faculty members who are committed to delivering the curriculum effectively. Our programmes are regularly revised to enable students to meet transformational business challenges and expectations of the business world. NITIE has been a pioneer in developing world class techno-managers over the years.

The two years of life you would spend here will evolve your business acumen, discover your brilliance and stretch your potential. I extend my warm welcome to all the future aspirants to come join us and experience a wonderful career.

Mr. Shashi Kiran Shetty
Chairman , NITIE

Messages From
The Deans

Our Fellow programme is considered highly prestigious in India and the world over and have achieved significant milestones over the years. The fellow program of NITIE is in a league of its own as far as top-class courses at Indian institutions are concerned. The program over the years has consistently delivered highly skilled and competent researchers who are adept at handling both current and futuristic challenges thrown by the global economy. A highly adaptable curriculum dynamically tailored to changing industrial landscape forms the cornerstone of the fellow program. A distinguished faculty community coupled with a large alumni base spread across a variety of functional domains including logistics, and supply chain management, marketing, finance, consulting and the likes is a testimony of this fact. I welcome you all to be a part of this glorious legacy and be a torchbearer of the illustrious academic heritage of NITIE.

Prof. Shankar Murthy
Dean Academics, NITIE

Ever since its inception, NITIE has been an integral part of the knowledge led productivity movement, and has portrayed its ability to impart academic excellence to its diverse pool of students. This perennial pursuit for excellence is driven by a combined effort from both the faculty as well as our graduates. NITIE enjoys an alumni base of over 10,000 graduates, spread across diverse geographies and domains, who not only provide valuable industry connections, but also aid in streamlining the curriculum as per industry requirements and gaps. The fellow program ensures holistic development of our students, and equip them with the skills required to lead and contribute in ever changing business environments.

Prof. Rauf Iqbal
Dean Student Affairs, NITIE

Messages From
The Deans

We at NITIE are committed to meeting industry needs through our industry outreach programmes, consultancy services, and applied research activities. Our programmes offer our students an opportunity to apply the concepts, analyze and evaluate to provide value-driven solutions to the industry. The pedagogy comprises experiential learning through projects and internships blended with knowledge sharing sessions by industry stalwarts & renowned academicians. The approach at NITIE imbibes a culture of applied research and real-life problem solving which aids budding engineers on their journey towards becoming world-class techno-managers, capable of leading in dynamic business environments. Our focus is on taking the lead on Digitization, Industry 4.0, Artificial Intelligence, and Machine Learning which equip our students with state-of-the-art tools and techniques along with an understanding of best global practices.

Prof. Vivekanand Khanapuri
Dean Sponsored Research and Industrial Consultancy, NITIE

Our Alumni form the crucial pillars that support NITIE through a multitude of academic and professional engagements and aid in providing much-needed industry exposure and insights. We at NITIE pride ourselves on our immensely strong industry connect, fostered by a closely knit yet diverse alumni circle, the members of which are at the helm of affairs in various industries and continue to steer their respective organisations towards triumph. NITIE strives to provide a platform for alumni-alumni and alumni-student interactions through periodic mentorship programs, alumni meets and recruitment drives, geared towards obtaining mutual benefit, renewing connections and the larger objective of ensuring holistic development of our graduates. With this, I welcome you to be a part of this 59 year long legacy of academic and professional excellence.

Prof. Hema Date
Dean Alumni Affairs & International Relations,NITIE

Messages From
The Deans

As a Fellow student at NITIE, you will have the opportunity to develop independent scholarship and gain greater competence in research and other applied activities. Rigor, combined with real-world experience and innovation help create a dynamic learning atmosphere. With a faculty committed to industry-inspired research and encouraging you along the way, you will find your research at NITIE industry-relevant

Prof. Shirish Sangle
Dean Faculty affairs, NITIE

When it comes to premium academic programmes at Indian colleges, the NITIE Fellow programme is in a class by itself. Over the years, the programme has consistently produced highly qualified and capable researchers who can navigate the immediate and long-term problems posed by the global economy. The core of the fellow programme is a flexible curriculum that is constantly adjusted to the changing industrial context. The programmme's goal is to develop the diverse group of graduate students into well-rounded researchers who can conduct outstanding interdisciplinary research in industrial engineering and related disciplines. We prioritize learning in the areas of Automation, Artificial intelligence, and Machine learning, which provide our students with cutting-edge tools and methods together with knowledge of best practices around the world.

Prof. Vivek Khanzode
Dean Planning and Coordination,NITIE

Messages From
Fellow Programme Management Team
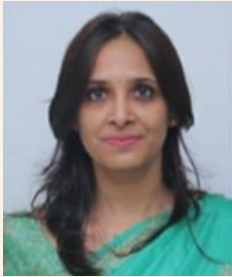
Prof. Sumi Jha,
Associate Dean Academics

Prof. Sanjeev Verma,
Chair Fellow Programme

Prof. Poonam Singh,
Joint Chair Fellow Programme

The Fellow Program started at NITIE in 1984. Since its inception, the Fellow Program has evolved to impart the relevant skills as per the need of the industry and academia. The Program aims to nurture the diverse cohort of graduate students into all-around researchers, who can undertake quality research in Industrial Engineering and allied areas with an interdisciplinary approach. Fellows of NITIE are continuing to leave their footprints in various leading organizations around the globe by excelling in research, consulting, teaching and business.

NITIE has lived up to its name as one among the best institutes of India. We focus on updating our curriculum constantly with the emerging needs of the modern business world and the cuttingedge technology changes. The faculty members also focus on continuously updating themselves. The result is the great achievements of our faculty members who feature in the top 2% of the world's researchers list. We plan to take research to new heights with the support of the vision set by our predecessors and the hard work of the present generation of faculty members

Prof. Neeraj Pandey, Admission in-charge,NITIE

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 is strengthened by its core values.

Pedagogy and philosophy at NITIE are designed to 'DLITE' its stakeholders. DLITE emphasizes the role of the Digital medium of pedagogy and its application in industry, focusing on Digital, Technology, Innovation, Leadership, and Entrepreneurship on associated aspects of Industrial engineering and allied areas.
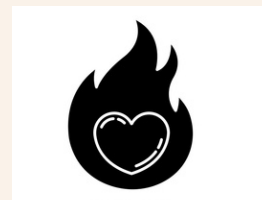
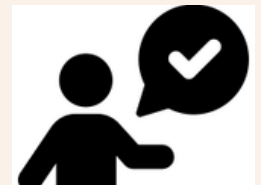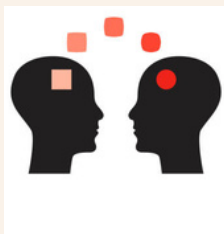| D-DIGITAL | L-LEADERSHIP | I-INNOVATION | T-TECHNOLOGY | E-ENTREPRENEURSHIP |

Trust Worthy

Integrity

Passion

Core Values

Genuineness

Acceptability

Empathy

Agility

Respect

NITIE
AT A GLANCE

RANKINGS

Ranked 9th among all management Institutes in the country by the National Institutional Ranking Framework (NIRF) of the Ministry of Education for the year 2022, NITIE has, over the years, earned the reputation of being a facilitator of the process of evolution of the best engineering brains of the country to the best business ones.

Located at the Financial Capital of India, NITIE provides an excellent platform to the students who aspire to be the leaders of tomorrow. Besides training, NITIE conducts applied research and undertakes various public and private sector's special projects as sponsored research. Recognized as one of the 15 centres of excellence by the Ministry of HRD, NITIE has established the Centre of Excellence in Ergonomics and Human Factor Engineering (CEEHFE) as a part of the Government of India's Technology Mission-2020.

Armed with excellent academic resources, backed up by quality pedagogy, NITIE fosters the capacity for value-based leadership, the aptitude for innovative thinking & confident decision-making, the ability to communicate effectively and help them collaborate, thus equipping them for a promising future.

The interactive classroom lessons coupled with real-world practical learning experiences provide the appropriate platform for students to hone their business acumen to take up challenges posed by the real world.

Ranked 9th by NIRF (Ministry of Education, Govt of India) amongst Management Institutions in the country in the year 2022

Ranked 12th by Career 360 amongst the top MBA colleges in India in 2020

Ranked in AAA+ category amongst all management institutions by TIME's B-school Rankings2020

NITIE is ranked 10th in the Chronicle of Career & Education amongst B-schools in the year 2020

Recognized as one of the fifteen centers of Excellence along with IITs, IIMs, and IISc by the Ministry of HRD, Government of India

Ranked 15th amongst India's top 30B-schools by InsideIIM in 2020

NITIE Received the best B-school (Government) Award in the 40th BMA Corporate Leadership Awards 2018-19

Ranked 29th by The Financial Express amongst India's top 100 B-schools in 2019

Ranked 4th in the field of Production by Economic Times India's Preferred B-schools in 2020

Ranked 12th in the Top B-schools Ranking 2020 by MBAUniverse

Ranked 11th in Living experience in Business Today's "India's best B-schools" in 2019

Ranked 16th amongst 25 Top B-School Ranking by Outlook 2020

NITIE. received Competition Success Review's `CSR, Excellence in Education Award 2016' on 24 April 2016

INFRASTRUCTURE

The students of NITIE are provided with state-of-the-art facilities for the classroom, hostel, recreation, computing, and fitness for the overall development of students besides quality education.

HOSTEL

NITIE has three hostel blocks and an MDP building for the executives. NITIE boasts of the tallest hostel building in the country with 16 floors and a capacity of accommodating 800 students. All hostels are equipped with lifts, watercoolers, washing machines, common rooms, uninterrupted Wi-Fi connectivity, and indoor facilities. The hostel ground floor also features vending machines for quick snacks.

COMPUTING FACILITIES

NITIE is fully Wi-Fi enabled, where students can access Live Databases, Online Journals, and the World Wide Web. It has a dedicated computer center for students to access periodicals, keep themselves updated with day-to-day developments, and assist their studies. Business Simulation & games on Investment, Portfolio Management are available to the students. The learners can also use a host of Corporate Databases such as CMIE's PROWESS. NITIE is also equipped with a state-of-the-art video conferencing facility.

FITNESS CENTRE AND ERGONOMICS LAB

It has a comprehensive state-of-the-art air-conditioned fitness center and ergonomics lab with world-class equipment and a floor area of over 5000 sq. ft. Trainers supervise the entire program, and personalized assistance improves fitness levels.

RECREATION FACILITIES

A football ground, basketball ground, Badminton court, Table tennis, Recreation room, TV Lounge, and Canteen are some on-campus facilities. In addition to that, there is a provision of regular yoga for fitness enthusiasts.


AUDITORIUM

NITIE has two auditoriums, both fully air-conditioned, and is suited for holding various corporate talks, seminars, cultural events, executive development programs, and other academic and community activities. One in the new academic block is newly constructed, acoustically designed with a Wooden floored stage, fully equipped with all the latest sound and light systems, and has a tiered seating arrangement with a capacity of 300 students. The second auditorium has similar facilities and capabilities in the existing academic block.

LIBRARY

NITIE has well-furnished library housing over more than 55,000 books, 11,000 periodical bound volumes, and 237 technical journals in the field of industrial engineering, manufacturing management, operations and supply chain management, project management, safety and environment management, information systems, technology management, marketing, finance, economics. NITIE library possesses a rich assortment of printed and electronic reserves, including books, journals, databases, audio-visual materials, CDs/DVDs, e-journals, reports, case studies, training manuals. Additionally, various online services like CD stacker, INDIASTAT, Science Direct, EBSCO, IEEE publications, ACM publications are also available.
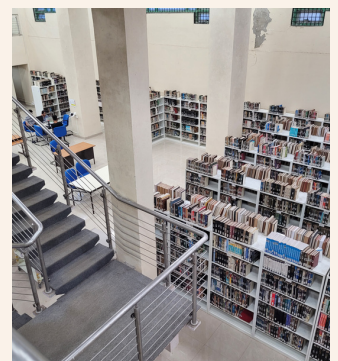
FACULTY

The success of NITIE's education is primarily anchored in its faculty as a critical resource. A high-calibre faculty ensures that the students receive maximum exposure to the latest insights and thinking from the industry. The faculty members actively engage students with case-based curricula, real-world examples, and solid academic theories. They are also a dynamic, experienced, interactive group of knowledge leaders with a passion for the classroom.

Faculties at NITIE take utmost care that the education offered is translated into excellent career and job prospects for the students. For the same, faculties always work very closely with diverse industries to fulfil the job aspirations of students.

The faculty members are drawn from diverse humanities, technology, and management disciplines. Many of them are highly distinguished professionals, trainers, and leading authors in management. The combination of broad experience and devotion to scholarship translates into a faculty committed to staying ahead of industry trends, countering the business' most complex challenges, and imparting their knowledge to tomorrow's business leaders.

OPERATIONS AND SUPPLY CHAIN MANAGEMENT

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

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

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

Maheswar S. Mahapatra
Assistant Professor
Ph.D., M.Tech, BE
Areas of Interest: Supply Chain Optimization, Sustainable Operations

OPERATIONS AND SUPPLY CHAIN MANAGEMENT

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

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

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

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

Rakesh D Raut
Associate Professor
Post-Doc Research (EPEL, Switzerland), Fellow (NITIE), M. Tech, B.Tech
Areas of Interest: Managing Supplier Relations, Partner Selections

Md. S K Rauf Iqbal
Professor
Ph.D. (Vidhya Sagar University), M.Sc.(University of Calcutta)
Areas of Interest: Ergonomics ad Human factors Engineering, Work System Design

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

Rofin T M
Assistant Professor
Ph.D. (IIT Kharagpur), MBA, B.Tech
Areas of Interest: Operations Mgmt, Service Operations, Revenue Mgmt

OPERATIONS AND SUPPLY CHAIN MANAGEMENT

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

Sushmita A Narayana
Associate Professor
Fellow (IIM Kozhikode), B.E.
Areas of Interest: Supply Chain Management, Systems and Healthcare

Vivekanand B Khanapuri
Professor
Fellow (NITIE), MBA, B.E.
Areas of Interest: Project Mgmt, Maintenance Mgmt, BPR, & IT
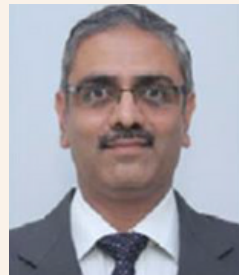
Vivek Khanzode
Professor
Ph.D. (IIT Kharagpur), M.Tech. (IIT Kharagpur), B.E.(Mech)
Areas of Interest: Operations Mgmt, Lean Manufacturing

Vijay K Manupati
Assistant Professor
Ph.D. (IIT Kharagpur), M.Tech. (NIT, Calicut), B.E.(Mech)
Areas of Interest: Manufacturing System Design, Smart Manufacturing

ANALYTICS & DATA SCIENCE

Debabrata Das
AssociateProfessor
PhD (IIT Bombay)
Areas of Interest: System Dynamic & Supply chain modelling

Hema A Date
Professor
Fellow (NITIE), PGDIE (NITIE), B.E.
Areas of Interest: Software Engg, Business Intelligence, DSS

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

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

FINANCE & ECONOMICS

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

Binilkumar A S
AssociateProfessor
Ph.D. (IIT Bombay), M.A.
Areas of Interest: Environmental
and Natural Resource Economics,
Industrial Organization, Business
Environment, Public Policy and
Systems

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

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

Mainak Mazumdar
Associate Professor
Ph.D. (ISEC), M.Sc.
Area of Interest: Economic Growth
and Regional Disparity,
Urbanization in India

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

Utpal Chattopadhyay
Professor
Ph.D. (Delhi University), M.Sc.
(University of Calcutta)
Areas of Interest: Economics

Vijaya Gupta
Professor
Ph.D. (University of Rajasthan),
M.PhiI, M.A.
Areas of Interest: Business
Economics, Agriculture Economics,
Environmental
Economics

FINANCE & ECONOMICS

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

MARKETING MANAGEMENT

M K Jha
Professor
Ph.D. , MBA, B.E.
Areas of Interest: B2B
Marketing, Marketing
Strategy, Software
Engineering, MIS

R D Chikhalkar
Professor
Fellow(NITIE) , MBA
Areas of Interest:
Marketing Management

Sanjeev Verma
Professor
Ph.D. , MBA , PGDCA , B.Sc.
Areas of Interest: Marketing
Research, Marketing
Analytics, Consumer
Behavior, Services Marketing

Neeraj Pandey
Professor
Post-Doc (Johns Hopkins
University, USA), Ph.D., MBA
Areas of Interest: B2B
Marketing, Pricing, Services
Marketing, Digital Marketing
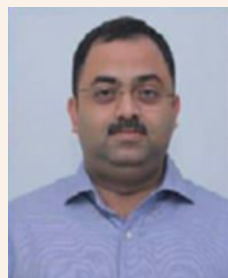
Ranjan Choudhuri
Associate Professor
Ph.D. , MBA
Areas of Interest: Modern
Trade, Food Chains, Global
Markets

Vartika Srivastava
Assistant Professor
Ph.D., PGDM, B.Tech
Areas of Interest: Marketing
Analytics, Consumer Behavior,
Branding

ORGANIZATION BEHAVIOUR & HR

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

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

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

Sumi Jha
Professor
Fellow (NITIE), MBA (HR), B.Sc.
Areas of Interest: Competency
Mapping Assessment Centre, HR
Analytics

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

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

Megha Gupta
Assistant Professor
Ph.D., M.A.
Areas of Interest: Leadership,
Diversity,Equity and Inclusion

SUSTAINABILITY MANAGEMENT

Anju Singh
Professor
PhD (IIT Bombay)
Areas of Interest: Sustainable
Business Development, Life
Cycle Assessment, Design for
Environment, Corporate Social
Responsibility

Hema Diwan
Associate Professor
Ph.D., M.Sc.(Environmental Sc.),
B.Sc.
Areas of Interest:
Environmental &
Sustainability Management,
Pollution Control & Mgmt

SUSTAINABILITY MANAGEMENT

Seema Unnikrishnan
Professor
Fellow (NITIE), MSc, PGD
(Environmental law)
Areas of Interest: Environmental
Mgmt, Environmental
Legislation, Air Quality Mgmt

Shankar Murthy
Professor
Ph.D. (IIT Bombay), M.E. (Env.
Engg.), B.E. (Civil)
Areas of Interest: Environmental
Engg & Mgmt, Industrial Waste &
Water Management

Shirish Sangle
Professor
Ph.D. (Indore), M. Tech, M.Sc.
Areas of Interest: Business
Strategies for Sustainability,
Adoption and Diffusion of
Cleaner Technologies

Vidyadhar V. Gedam
Assistant Professor
PhD (ACSIR, Delhi), Diploma
(Industrial Safety), M.Tech(NIT
Karnataka), B.E.
Areas of Interest: Water quality
& Waste Management,
Sustainable Development

God's Own Campus
NITIE Mumbai

A GLIMPSE OF NITIE

NITIE offers a Doctoral Level Fellowship Programme recognized by the Ministry of Education as equivalent to PhD of any Indian University. It is a programme aimed at shaping individuals such that they become competent enough for a career in academics, research, business, and consulting. The Fellow Programme of NITIE was started in the year 1984. The programme is interdisciplinary, covering all areas as mentioned below. The alumni of our Fellowship Programme are well placed in academics and industry.

The program selects both Regular Full time (With Financial Assistance and Without Financial Assistance), Sponsored candidates (Full Time sponsored and Part-Time sponsored) and Fellow Programme for Industry professionals (FPIP) candidates. Full-time candidates carry out the full-term residential program and are entitled to financial assistance as per Ministry of Education guidelines. The Programme also encourages sponsored candidates from Industry, Academic Institutions, Government and other organizations. No financial assistance shall be provided to the sponsored and FPIP candidates.

RESEARCH AREAS

Analytics & Data Science

Economics

Finance

Marketing

Operations & Supply Chain Management

Organizational Behavior & Human Resource

Sustainability Management

PROSPECTIVE CANDIDATES FOR THE PROGRAMME

The programme aims to admit individuals with sound academic backgrounds, strong motivation and potential to become excellent researchers at the National and International levels. A candidate can apply under the following categories:

Regular Full Time

Candidates with Financial Assistance

A student in this category works full-time for his/her Fellow Degree. He/she receives an assistantship from the Institute as per the latest Ministry of Education guidelines. They must record their daily attendance. They must not take up any employment either full-time or part-time while they are drawing scholarships from the Institute.

Candidates without Financial Assistance

Students in this category work full-time for their Fellow Degree. They do not receive an assistantship from the Institute.

Sponsored

Full Time Sponsored

A student in this category is sponsored by a recognized R & D organization, Academic Institute, government organization or industry for doing research work in the Institute on a full-time basis. The Institute does not provide any assistantship /fellowship to such a student.

Part-Time Sponsored

A student in this category is a professionally employed person who pursues the Fellow Program while continuing their service duties. The Institute does not provide any assistantship /fellowship to such a student. The research work leading to Fellow Degree may be carried out mainly in the parent organization under the overall guidance provided by a faculty member of the Institute and a local guide if required. Such candidates, if selected, have to stay on the campus for one year of regular coursework.

Fellow Program for Industry Professionals (FPIP)

• FPIP candidates from any of the following sectors are invited to apply for the "Fellow Program for Industry Professionals":

- Officer/ Executive level employees of All India Services/ Central Government (Ministry of Defence, and all other Ministries and Departments)/ State Governments /Public Sector Undertakings/ Autonomous Bodies

- Individuals with rich Managerial experience from reputed Private Organizations. Such Organizations shall be listed in the premier Stock Exchanges and shall have an annual turnover of at least 200 crore rupees.

- There would be no residential requirements for such candidates. However, the candidate has to spend at least one week per semester at NITIE, interacting with his supervisor(s). During this period, students may avail hostel facilities if available on an actual payment basis.

- Candidates should preferably have demonstrated research potential through research papers in reputed International Conferences/ Journals/ Patents/ Technology transfer.

Hostel Facility for Fellows

Hostel facilities are extended to Fellow scholars from the Non-MMR region only. Again, it is also subject to hostel rooms availability on the campus. A single room or shared room accommodation will be provided to fellow scholars based on availability.

ELIGIBILITY FOR ADMISSIONS

Regular Full Time

Candidate with a full-time Master's degree or equivalent in Engineering / Technology, Management, Economics, Commerce, Social Sciences, Life sciences and Pure Sciences, judicial science, and law with 60% aggregate marks (55% in case of SC/ST/PWD (Person with Disability) candidate from recognized University/ Institution can apply; or a candidate with BE/B.Tech. with 7.5 CGPA or equivalent with 3 years' of work experience can apply

Candidates appearing for their final examination in the respective disciplines can also apply, provided they qualify the above criteria for examinations appeared at the time of application and submit their result at the time of admission.

Projects/ Work Experience/Research Publications in these areas would be preferred. As per Govt. of India rules, reservation of seats exists for SC/ST/OBC-NC (Non-Creamy) and PWD candidates.

Sponsored

In addition to the above eligibility criteria, candidates from reputed Industries/ Academia must have two years of full-time work experience as of the last date of application. Part-time sponsored candidates, if selected, must stay on the campus for one year of regular course work. Full-time and part-time sponsored candidates need to produce a sponsorship certificate (at the time of application) and relieving certificate (at the time of joining) from the employer as per the Pro-forma available on the NITIE website. No financial assistance shall be provided to the sponsored candidates.

Fellow Program for Industry Professionals FPIP

Graduates of any Master level Program (Full Time - 2 years or equivalent) from any IIMs/ IITs/ NITs or national level institutions with minimum CGPA 8.0 out of 10 or 75 percent of marks, with at least 3 years of professional experience (as defined in Clause 1 above), after Master's degree. Such candidates should possess a minimum CGPA of 8.0 out of 10 or 75 percent of marks also in their Bachelors.
OR

Master's degree or equivalent in Economics, Commerce, Social Sciences, and Sciences from any recognized University/ Institution with minimum CGPA 7.0 out of 10 or 65 percent of marks, with at least 4 years of professional experience (as defined in Clause 1 above), after Master's degree. Such candidates should possess a minimum CGPA of 7.0 out of 10 or 65 percent of marks also in their Bachelors.
OR

Candidates having BTech/BE or equivalent degree from IITs/ NITs or other national level institutes with a minimum CGPA of 8.0 out of 10 or 75 percent of marks, with at least 4 years of professional experience (as defined in Clause 1 above), after Bachelor's degree.
Provision for SC/ST/PWD candidates will be carried out as per Government of India Norms.

The upper age limit is 50 years at the time of application. However, preference will be given to younger candidates.

All other rules, as per the Fellow Policy, will also be applicable for candidates under the category of Industry Professionals.

Interested and eligible candidates shall apply through ONLINE mode only and register themselves at Admissions Portal on "NITIE website" during the window of time provided in the advertisement for admission.

Application Fee is Rs.**1000/**- (Rs.500/- in case of SC/ST/PWD candidates) plus bank charges as applicable. This fee can be paid online. Application fees are non-refundable.

Instructions to fill the application form are available at "Instructions to Apply Online" at Admissions Portal on the "NITIE website". At the time of application, all candidates should submit their Research Proposal (Maximum 1500 words). Guidelines for the preparation of research proposals are given on the website. In addition, all sponsored candidates should submit the Sponsorship Certificate.

Stage 1: Initial Screening and Shortlisting

In this first step, candidates are screened based on the following criteria:

• Those who have submitted the filled in application form to the Fellow Programme and paid the prescribed application fee within the window of time specified and
• Those who satisfy the eligibility criteria for the Fellow Programme.
• Those who have submitted the research proposal.

Candidates satisfying the above requirements shall only be considered for further processing. Further, shortlisting of candidates will be done based on the evaluation of the Research Proposal invited during the application stage. Candidates shortlisted for the admission process to the Fellow Programme at NITIE will be intimated by email and/ or online notification only. Individual regret communication will not be sent to applicants.

In addition to this FPIP candidates should look out for prospective faculty member(s) from NITIE in the area where he/she is interested to apply for his/her Fellow Program. A research proposal approved by the prospective supervisor(s) shall be submitted by the candidate at the time of the application.

Stage 2: Selection Process for Shortlisted candidates

- NITIE Admission Test and Writing Skills Test

All shortlisted candidates will appear for the NITIE Admission Test and Writing Skills Test. The NITIE admission test shall have three sections namely Analytical Skills, Logical Reasoning, and Research Aptitude. For Writing Skills, Fellow applicants will be asked to write a summary (150 / 200 words) of the Research/General article.

- Research Presentation and Personal Interview (PI)

All candidates have to appear for a Research Presentation and Personal Interview. The research Presentation will be based on the research proposal submitted by the fellow candidates. This would be followed by a personal interview which will be based on subject knowledge, motivation for doing research, communication skills, and overall assessment. Project/Work Experience/Research Publications would be preferred.

Shortlisted candidates must attend NITIE Admission Test, Writing Skills Test, Research Presentation, and PI, otherwise, they shall not be considered for the admission process further.

Stage 3: Merit List

The final merit list shall be prepared based on the performance of the candidates in the different evaluation components such as the NITIE Admission Test, writing skills test, past academic achievements, research presentation, and personal interview.

Fees

At the time of admission for securing a seat, all Fellow candidates have to deposit the following fees.

SR. NO.	FEES NOMENCLATURE	REGULAR		EXTERNAL@	SPONSORED		FPIP	
		1ST YEAR	2ND YEAR ONWARDS AT THE BEGINNING OF EACH YEAR*	w.e.f. year of conversation from Regular to External category*	1ST YEAR	2ND YEAR ONWARDS AT THE BEGINNING OF EACH YEAR*	1ST YEAR	2ND YEAR ONWARDS AT THE BEGINNING OF EACH YEAR*
1	FEES	(₹)	(₹)	(₹)	(₹)	(₹)	(₹)	(₹)
	ADMISSION FEE	5000	NA	NA	5000	NA	5000	NA
	TUITION FEE**	24000	24000	24000	48000	48000	48000	48000
2	FACILITIES CHARGES	37000	37000	-	37000	37000	37000	37000
3	NITIE ALUMNI ASSOCIATION (MEMBERSHIP AND CONTRIBUTION)	3000	-	-	3000	-	3000	
4	LIBRARY FEE	10000	10000	10000	10000	10000	10000	10000
5	HOSTEL CHARGES	24000	24000	-	24000	-	24000	-
6	DEPOSITS	25000	NA	NA	25000	NA	25000	
	TOTAL	128000	95000	34000	152000	95000	152000	95000
	NITIE ALUMNI ASSOCIATION (MEMBERSHIP AND CONTRIBUTION)		#10000	#10000		#10000		#10000

Alumni Life Membership to be paid after the defence.

@ The fee structure applicable under the external category if the Fellow Scholar changes from Regular to External category after any time from Second Year.

* Fee from 2nd year onwards to be paid at the beginning of each year till 5th year or till the submission of Thesis, whichever is later.

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

Amount of Financial Assistantship and Grant for Regular Candidates

Regular full-time candidates who will qualify for the financial assistance will receive Rupees 31,000/- per month during the 1st and 2nd year of the Fellow Programme and Rupees 35,000/- per month during the 3rd, 4th, and 5th years of the Fellow Programme as per Ministry of Education guidelines. In addition, candidates are entitled to copy editing of their two research paper manuscripts as per the NITIE rules. A grant of up to a maximum of Rupees two Lakh may be availed for presenting a paper at an International Conference abroad (Subject to Approvals).

The amount and duration of scholarships, financial assistance, and contingency grant provided to Fellow students are subject to change from time to time as per Government of India rules. No financial assistance shall be provided to the sponsored and FPIP candidates.

Eligibility for Financial Assistance

Financial assistance shall be provided only to the regular full-time candidates as per guidelines and no financial assistance shall be provided to the sponsored candidates.

To be eligible for financial assistance the candidate must have qualified GATE/UGC NET/UGC-JRF and shall have valid score. Financial assistance shall be provided to the regular full time candidates only.

The Fellow Programme consists of the following stages: Course work, Registration, Credit-cum–Progress Seminars, Pre-Synopsis seminar, Synopsis Submission, Thesis submission and final viva voce examination. Since the financial assistance to fellow students is provided for 5 years, it is expected that the student should plan out the research activities to complete the research and submit the thesis during this period. Thus, a fellow student should complete the course work in the first year and the registration seminar within the given time frame. As a guideline, a fellow student should plan and complete the three credits cum– progress seminar and research publications in the second and third year, and Pre- Synopsis seminar and final thesis writing and submission in the fourth/fifth year.

TIME LIMITS FOR FELLOW PROGRAMME

The following conditions apply concerning time limits:

A fellow student may submit his/her thesis only after a minimum of 2 years from the date of registration. The maximum period allowed for submitting the thesis is five years from the date of admission or four years from the date of registration, whichever is earlier.

If a candidate fails to submit the thesis within the above upper time limit due to reasons beyond his/her control, he/she may apply to the Post Graduate Programme (PGP) Committee for an extension of time. The PGP committee may recommend an extension of time based on the merits of the case. A fellow student who is granted an extension of time needs to re-register to the programme by applying in the prescribed form accompanied by a Re-registration fee of Rs. 20000.00. This re-registration will, however, be effective only for two years, beyond which no extension will be permitted. The final decision on extension of time will be taken by the Director as Chairman, Academic Council.

BREAK OR UNAUTHORIZED ABSENCE FROM THE PROGRAMME

Any break or unauthorized absence from the programme before registration will lead to the cancellation of admission. Any authorized break or leave of absence will not be counted for the minimum period of 2 years stipulated for submission of the thesis but will be counted in the maximum period of 5 years permissible for submission of the thesis. Any authorized leave of absence from the NITIE campus for data collection or questionnaire survey will not be treated as a break in the study. The financial assistance for direct candidates in such cases will be governed by Government of India Rules and the final decision will be taken by the Director as Chairman, Academic Council.

COMMITMENT FROM THE SPONSORED CANDIDATES

Sponsored candidates must get relieved from their normal duties from the parent organization and be available on the campus for course work (four modules - each module is of 3 months).

REQUIREMENTS FOR THE SPONSORED AND FPIP CANDIDATES

Fellow students in the Sponsored category and FPIP category must allocate adequate time for:

- Regular interaction with their Guide(s) and members of his/her research
- The progress review committee,
- Periodical Progress review of research
- Payment of annual tuition fee, and
- Adequate preparation for seminars, synopsis presentation, and thesis writing.

FELLOW CURRICULUM – 2022
For Direct and Sponsored

(1) Credit System

The Fellow curriculum with Fellow Stream specific/area-specific electives has been considered to create a Fellow course structure with 36 credits. The syllabus of each course is available in the Academic section.

The proposed Fellow course structure provides an opportunity for Fellow Scholars to have the breadth of knowledge and flexibility in choosing their courses aligned to the interest of the research.

(2) Level of Courses:
36 credits are covered with the following three-level of courses:

Level of course	Type of courses	Number of courses	Nature of courses
Level – I	Foundation courses	4 (3 credit each)	Compulsory
Level – II	PGP approved courses/ Online courses (Max 3)	6 (3 credit each)	Electives
Level – III	Seminar Presentation	2 (3 credit each)	Seminar based
	Total courses	12	36 credits

(3) Module-wise credit distribution
The following detailed list provides the level-wise courses across three different modules.

			Summary of Course Distribution among Modules			
Course Level	Total Courses	Total Credit	Module 1	Module 2	Module 3	Type of Course
L1	4	12	2	1	1	Compulsory courses
L2	6	18	3	2	1	PGP approved courses (Elective)
L3	2	6	-	1	1	Seminar based#
Total	12	36	5	4	3	

(4) Course details
The details of courses across the THREE levels are as follows:

	Listing of courses in Levels	
Sr No.	Level – I	Credit
1	Data Science for Managerial Decisions	3
2	Business Research Methods	3
3	Optimization and Decision Techniques	3
4	Research Method and Survey Techniques	3
	Total Credit	12
Sr. No.	Level II	Credit
1	Scholars must choose *SIX* PGP approved Institute Core/ Institute Electives/ Program Core/ Program Electives running in the module -I/ V, II/ VI and module – III/ VII. Maximum 3 courses can be taken as ONLINE courses if they are specialized courses and not offered by the institute.	18
Sr. No.	Level III	Credit
1	Seminar Presentation (I and II)	6

FELLOW CURRICULUM – 2022
For FPIP

(1) Credit System for FPIP: The coursework credit requirements are as follows:

(A) In case of a Master's degree (Full Time – 2 years or equivalent) from any IIMs/ IITs/ NITs or national level, the candidate will have to complete a total of 12 credits within one year from the date of admission.

(B) In case of a Master's degree or equivalent in Economics, Commerce, Social Sciences, and Sciences from any recognized University/ Institution, the candidate will have to complete a total of 18 credits within one year from the date of admission.

(C) In the case of Graduates having BTech/BE or equivalent degree from IITs/ NITs or other national level institutes, the candidate will have to complete a total of 24 credits within one year from the date of admission.

The credit requirement, as per the course outline, can be completed in the form of a project report and seminar (for continuous evaluation). For the final assessment, candidates shall appear for only the end semester examinations at NITIE, preferably during the regular examination period of NITIE. The candidate can enrol for the courses which will be in line with the courses taught at NITIE or as per the expertise of the RPC members

(2) Level of Courses for A:
   12 credits are covered with the following three-level of courses:

Level of course	Type of courses	Number of courses	Nature of courses
Level – I	Foundation courses	1 (3 credit each)	Compulsory
Level – II	PGP approved courses/ Online courses (Max 2)	2 (3 credit each)	Electives
Level – III	Seminar Presentation	1 (3 credit each)	Seminar based
	Total courses	4	12 credits

(3) Level of Courses for B:
   18 credits are covered with the following three-level of courses:

Level of course	Type of courses	Number of courses	Nature of courses
Level – I	Foundation courses	2 (3 credit each)	Compulsory
Level – II	PGP approved courses/ Online courses (Max 2)	3 (3 credit each)	Electives
Level – III	Seminar Presentation	1 (3 credit each)	Seminar based
	Total courses	6	18 credits

(4) Level of Courses for C:
   24 credits are covered with the following three-level of courses:

Level of course	Type of courses	Number of courses	Nature of courses
Level – I	Foundation courses	3 (3 credit each)	Compulsory
Level – II	PGP approved courses/ Online courses (Max 2)	4 (3 credit each)	Electives
Level – III	Seminar Presentation	1 (3 credit each)	Seminar based
	Total courses	8	24 credits

GRADING SYSTEM OF CREDIT COURSES/SEMINARS

The minimum grade point required for passing in a course or credit cum progress seminar is 'C'.

Failure in Credit Course: A fellow student getting a grade less than 'C' in any course will be given one more opportunity to pass by repeating the examination. If the fellow student still does not pass the course, then he/she will have to repeat the course in the next year. If the Fellow student still does not pass the course, he/she will be liable for removal from the fellow programme.

Failure in Credit Seminar: A fellow student getting a grade less than 'C' in any credit seminar will be given one more opportunity to pass by repeating the seminar. If the Fellow student still does not pass the credit seminar, then he/ she will have to repeat the seminar after 3 months. If the Fellow student still does not pass in the credit seminar, he/she will be liable for removal from the fellow programme.

The final decision on the removal of a fellow student from the programme will be taken by the Director as Chairman, Academic Council

Each Fellow student needs to register his/her research proposal after successfully giving Registration seminar. The Registration procedure is given below:

REGISTRATION

Each research fellow should give a registration seminar before a research progress committee (RPC) consisting of two or more examiners and faculty guide(s).

Registration seminar will be given after completion of course works (Trimester I, II, and III). The research fellow should submit 6 copies of the registration report. This report will include the following:
- Proposed title of the thesis.
- Objectives of the research
- Literature review and gaps identified
- Proposed research area and scope of the study
- Hypotheses, if any
- Framework and usefulness of the proposed research
- The methodology proposed for carrying out the research.
- A list of references.

Registration is a very important stage for screening the candidate for further progress in the Fellow programme. In case the research fellow fails to successfully defend his/her research proposal, he/she will be allowed to resubmit the modified research proposal as suggested by the RPC. He/she needs to give a revised seminar based on the modified research proposal. In case he/she fails to defend it the second time, the research fellow will be liable for removal from the programme

The key milestones in the fellow programme are given below.

- Course work
- Registration seminar
- 1st Credit-cum-progress seminar
- 2nd Credit-cum-progress seminar
- 3rd Credit-cum-progress seminar
- Submission of Synopsis
- Thesis submission

If the desired progress is not made by the student as per the above timelines, it may lead to the cancellation of his/her admission. The final decision on the removal of a fellow student from the programme or for time extension will be taken by the Director as Chairman, Academic Council.

APPLICATION FOR REGISTRATION

The Fellow student must apply for formal registration within one month after successful completion of the registration seminar. The application for registration must be made in the prescribed form and should be accompanied by the following:

- Title and summary of the research proposal approved during the registration seminar, and
- A registration fee of Rs.500.00.

EFFECTIVE DATE OF REGISTRATION

The effective date of registration will be the date of the registration seminar in which the RPC approves the presentation made by the research fellow, provided the research fellow has subsequently submitted his application for registration within the time frame.

GENERAL REGULATIONS

- All fellow candidates are expected to be in continuous touch with their guides and report the progress made from time to time. The RPC can seek a periodical report of the progress of the course work and research work from the candidate. Unsatisfactory progress in research will render the candidate liable to be removed from the programme.
- The candidate shall pay the entire prescribed fee as and when it is due.
- The Fellow students will face automatic disqualification and removal from the programme if he/she is found to be admitted to any other doctoral-level programme.
- The Institute reserves the right to amend, modify or change regulation(s) as may be necessary, from time to time. All such changes will be binding on the Fellow student.
- In all matters of interpretation, the decision of the Institute shall be final and binding on the candidate. Any legal matter related to rules and regulations shall be subject to Mumbai jurisdiction only.

Cultural and Sports Committee: The Cultural and Sports Committee for the Fellow students of NITIE is a synonym for fun and collaborative learning. The committee aims to take care of the social as well as the cultural aspects of life at NITIE. The objective of the cultural and sports committee is to give a holistic approach to the research education and orient the researchers to standards of equality, justice, and a humanist culture and sports.

Outreach Committee: The Corporate committee is the official liaison between Fellow of NITIE and the Corporate & academic world for all non-placement activities. The corporate committee facilitates student interaction with different industries by opening channels for communication. Our primary focus is to bridge the expectation gap that exists between different industries and the student community.

International Relations Committee: International Relations Committee for the fellow of NITIE is continuously working towards branding and providing co-learning opportunities in the global perspective. The committee is responsible for facilitating the exchange process for outgoing students. It also works in tandem with the Student Exchange Offices of the various International Universities fostering new tie-ups towards the branding & increasing the visibility of NITIE to the world. The committee strives for better and improved relations with the existing and prospective partners by sustaining and exploring areas of collaboration with NITIE.

Fellow Labs

NITIE has provided two dedicated labs for Fellow students. The Labs are equipped with all the facilities, including bookshelves, an Internet Facility, a notice board, and group discussion hall.
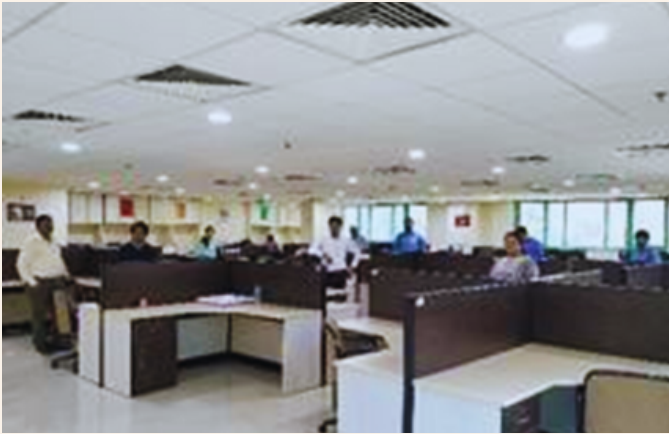
Fellow Lab 1

Fellow Lab 2

Discussion Hall

Subscriptions

NITIE Library is housed with more than 230 Journals in the field of Industrial Engineering, Operation Research, Supply Chain Management, Ergonomics, Finance and Economics, Decision Science and Information systems, Analytics and Data Science, Project Management, Environment Management, Marketing Management, Organisational Behaviour, Human Resource Management and many more.

CULTURAL EVENT

FELLOWS SPORTS TEAM

Fellows (doctoral) of previous batches are well placed across top academic institutes and industrial organizations of India as well as abroad.

Omkarprasad S Vaidya
Associate Professor
IIM Lucknow

Arpana Rai
Assistant Professor
IIM Udaipur

Pragya Bawsar
Assistant Professor
IIM Sirmaur

Sanjeev Kumar
Assistant Professor
Jindal Global Business School

Maniyan P
Supply Chain Analytics
Accenture

Shridhar   Samant
Assistant   Professor
TISS Mumbai

Siddharth Tripathi
Assistant Professor
Amity Business School

Somayya Madakam
Assistant Professor
FORE School of Management

Sourabh Kulkarni
Assistant Professor
FORE School of Managemer

Ruchi Mishra
Assistant Professor
IRMA

Shraddha Gawankar
Assistant Professor
George Washington
University

Surabhi Verma
Assistant Professor
University of Southern Denmark

Sarika Jain
Associate Professor,
Durgadevi Saraf Institute
of Management Studies

Anjali Sisodia
Assistant Professor
Thapar Institute of Engineering
and Technology

Preeti Nayal
Assistant Professor
NMIMS, Mumbai

Kanak Madrecha
Global Ambassador
(STRAT & GO) at
PROCOS AG

Avinash Tripathi
Assistant Professor
Xavier Institute of Management,
Bhubaneshwar

Bhavin Shah
Assistant Professor
IIM Sirmaur

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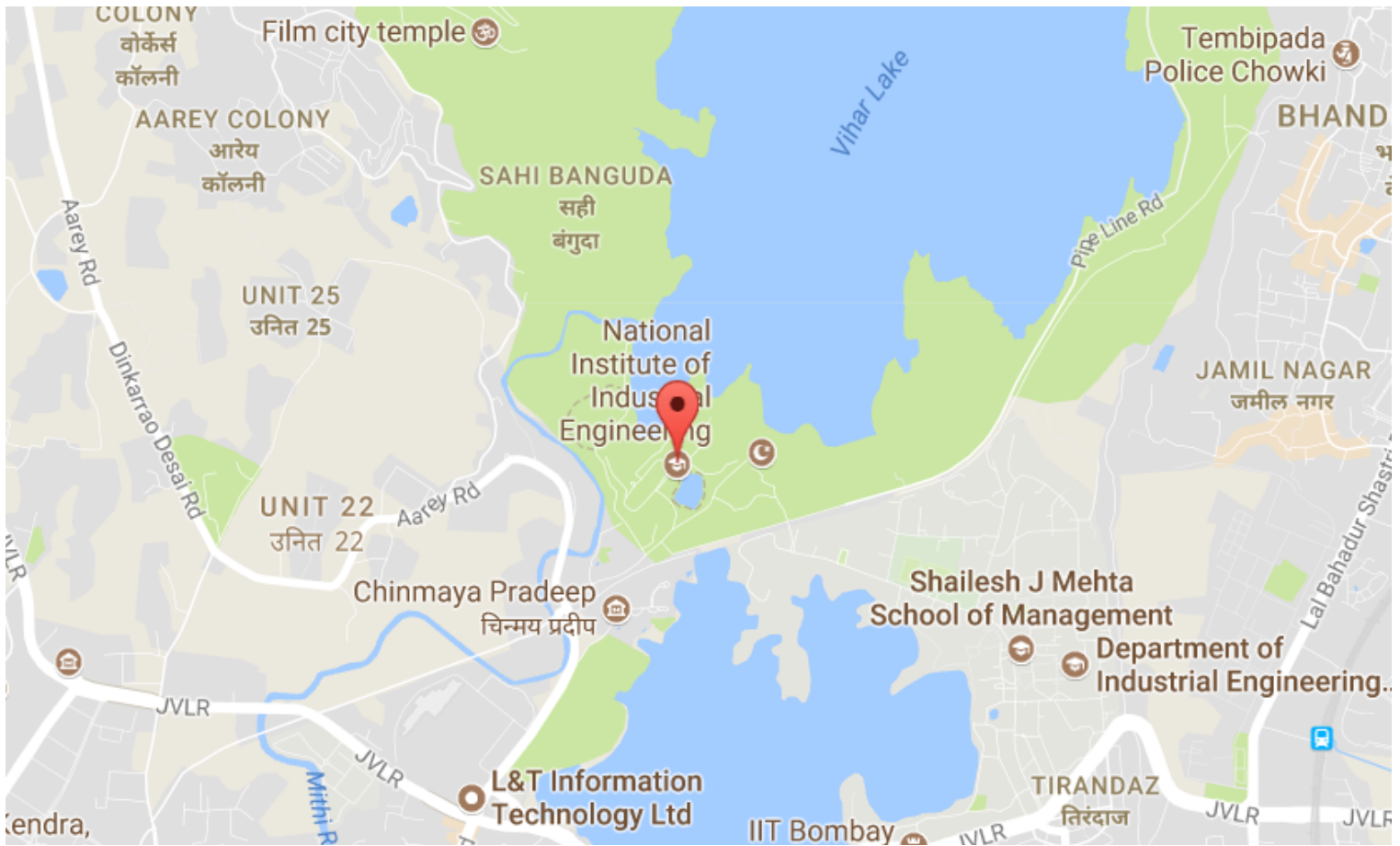
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