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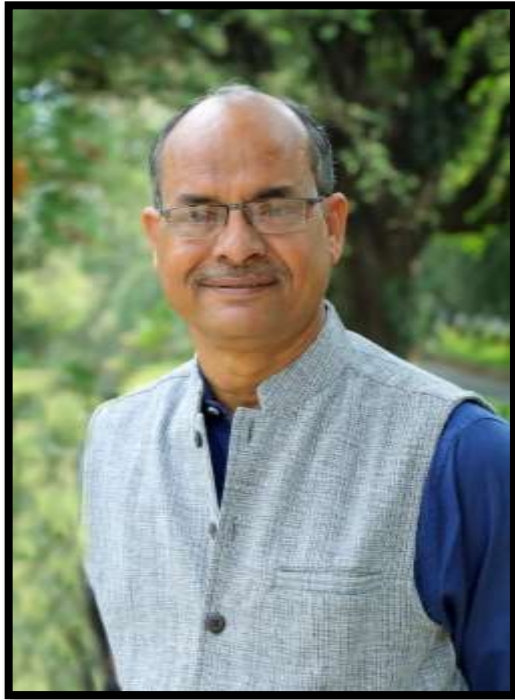
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NITIE in the news



Prof. Manoj Kumar Tiwari
Director NITIE

Director's Message

Greetings to all the readers & Happy New Year 2022!!

I hope you all are safe and in good health.

I am delighted to present the fourth quarterly newsletter of the year 2021. The pandemic has disrupted the Global Supply Chain and exposed its flaws across various industries. This digital disruption motivates many companies to reinvent their supply chains, from demand and supply planning to production and distribution.

First and foremost, I would like to congratulate Shri Shashi Kiran Shetty ji for completing a year as the chairman at NITIE. Under his dynamic leadership, the institute has achieved higher heights and will continue to tread higher. We are also proud to collaborate with Prof. David Simchi-Levi (Director, Data Science Lab and Professor - Business and Supply Chain Analytics at Massachusetts Institute of Technology (MIT), USA) to complete the 'Global Online Certification Program on Supply Chain Digitization and Management'. We recently launched the Global Online Certification Course on 'Social Network Analysis and its application' in association with Prof. Noshir Contractor; this course offered students a set of strategic principles to create, maintain and dissolve network ties.

Our institute has signed a series of MoUs with Genpact to establish a Digital Manufacturing and Supply Chain Centre with a vision to provide solutions to the industry, and to develop talent on a large scale to address the transformation of traditional manufacturing to digital manufacturing and strengthening our industry connect. To foster cooperation regarding the Exchange of Students, Faculty Members, Joint academic activities and collaborative research, we have also signed an MOU with the University of California, Irvine. This edition of NITIE news also presents a glimpse of how even during the pandemic, the institute successfully conducted both summer and final placements process virtually and saw huge participation from big companies across all sectors. We are of the firm belief that technologies like blockchain, artificial intelligence, machine learning, etc. are going to define the future and equip the students in that area. NITIE has launched Global Online Certification Program on "Deep Learning in Finance" in collaboration with Prof. Rahul Rai, Professor & Dean's Distinguished Professor, Clemson University.

We have always applauded our exceptional alumni, acknowledging their contributions to NITIE and the world and this year, we organised the annual alumni meet virtually around the theme "Women Empowerment." I hope that the readers will enjoy this quarter's edition, coming in a digital format.

Happy Reading!!



EVENTS

Work Anniversary of Chairman and Director, NITIE

The period of publication of this issue marked the first anniversary of Shri Shashi Kiran Shetty as the Chairman of the Board of Governors at NITE, and also the second anniversary of Prof. Manoj Kumar Tiwari, Director NITIE at our institute. Under their aegis, the institute has been able to effectively adapt during the pandemic and deliver world class education to the business leaders of tomorrow. The institute has achieved greater heights under their dynamic leadership and will continue to tread higher in the coming years.



MoU with Genpact

National Institute of Industrial Engineering (NITIE), Mumbai signed a Memorandum of Understanding (MoU) with Genpact, a global professional services firm focused on delivering digital transformation, to establish a Digital Manufacturing and Supply Chain Centre with a vision to provide solutions to the industry, and to develop talent on a large scale to address the transformation of traditional manufacturing to digital manufacturing.

The MoU was signed by Prof. Manoj Kumar Tiwari, Director NITIE accompanied by Prof. Shirish Sangle, Dean Alumni Affairs & International Relations, and by Mr. Diwakar Singhal, Global Business Leader, Manufacturing Services, Genpact accompanied by Mr. Tarun Srinivasan, Vice President, Delivery & Solutioning Leader for IOT Services, Genpact and Mrs. Nidhi Agarwal, Assistant Vice President Human Resources, Genpact. The collaboration between NITIE and Genpact will cater to the designing and development of specialized electives, capability enhancement for NITIE students and Genpact employees, launch of new research projects and emerging industrial live problem-solving, development of research lab and software facility, global collaborations in the areas of need and joint publications in terms of white papers, case studies and journal publications. The students will have access to real world use cases leveraging specialized software in the respective domain areas as a part of the curriculum, as well as internship and sponsored projects.

The courses will be jointly handled by experts drawn from NITIE, industry and Genpact, making it a perfect blend of academic proficiency and practical experience. The Centre aims to focus on Digital Twin, Digital Thread, Analytics and LEAN deployment in Manufacturing and supply chain. As a part of MoU, Genpact will be funding two women chair professors to promote and support diversity, especially in manufacturing, logistics, and supply chain analytics and establish scholarships for six women students to encourage women in STEM and build diverse leaders in supply chain.



MoU with University of California, Irvine

National Institute of Industrial Engineering and University of California, Irvine Division of Continuing Education, Irvine, USA are pleased to announce the signing of Memorandum of Understanding (MOU) for mutual cooperation between both Institutions for exchange of students, faculty and researchers, joint academic activities and collaborative research. Prof. Manoj Tiwari, Director NITIE and Dr. Gary Matkin, Dean, Division of Continuing Education, University of California, Irvine, USA signed the MoU and look forward to starting new initiatives between the two institutions.



Leadership Talk on ‘The New Normal in Supply Chain and Operations’

NITIE Mumbai had the pleasure of hosting Mr. Sanjeev Suri – Senior Vice President Global Omni Channel Logistics, Amway for a Leadership Talk on the topic "The New Normal in Supply Chain and Operations". It was an enlightening seminar which focused on the changes in the field of Supply Chain and Operations caused by the Pandemic. It helped students gauge the gap between theory and practice through the immense experience bought in by Mr Sanjeev Suri.



Webinar on ‘Reimagining Secondary Transportation’

NITIE hosted Mr. Ankit Rathi, Business Head, Enterprise Network from Porter. Porter is India’s largest Marketplace for Intra-City Logistics. The webinar on “Reimagining Secondary Transportation” was an engaging and enlightening session where students augmented their understanding of the Transportation sector.



Director NITIE joins a panel discussion at TCS on Innovation

Tata Consultancy Services Innovation Forum India conducted a panel discussion on creating sustainable supply chains for building a better world. The primary and essential objective of the panel discussion was to assemble leaders from leading organizations to focus on how innovation can help an organization's sustenance and fabricate a better tomorrow. Prof Manoj Tiwari, Director, NITIE along with Ms. Richa Arora, and Dr. Syama Sunkara discussed on creating sustainable supply chains for building a better world.





NITIE Talk Series: Invictus



NITIE conducted Invictus Webinar series under Defence General Management Program in the domain of Applied Microeconomics for Business Strategies by Speaker Mr Badri Narayanan Gopalakrishnan, PhD, Lead Advisor, Trade and Commerce, NITI Aayog, GOI and Moderator Prof Poonam Mehra Singh, Phd , Department of Economics and Strategy, NITIE. During the session, the entire Batch gained insights on Applied Microeconomics for business Strategies. The Batch sincerely thank Dr. Badri Narayanan Gopalakrishnan, PhD Trade, Commerce, NITI Aayog for giving his valuable time and sharing insights about applied microeconomics. The Batch sincerely thank Prof. Manoj Tiwari, Director, NITIE, for being a mentor, Prof. Rauf Iqbal, Programme Coordinator, for his support and encouragement.

How Economy Works? In what ways does an economist judge the economy differently from us? Do you have to be an economist to understand economics? What is the best career opportunity I could have in the field? How should I explore those career prospects? To answer all this questions NITIE had conducted a webinar session on "Economics- Perspectives and Career Prospects" under NITIE's Defence General Management Programme with Mr. Sumedh Deorukhkar. Mr. Sumedh is Senior Economist - Global Economic & Financial Forecasting at BBVA, Spain, with 11 years of association with the firm.



National Institute of Industrial Engineering Mumbai is honoured to welcome Mr Shiv Tiwary, Chief Marketing Officer, Reliance Nippon Life Insurance, as a speaker for INVICTUS Webinar Series. Mr Tiwary has vast experience of over 17 years in Marketing, Strategy, Change Management, Sales, Operations and Consulting. The Defence General Management Program batch was interacted with him and gained insights from the vast experience he brings.

NITIE Mumbai welcomed Brig Shardendu. Head of Special Projects, Darwin Platform Group of Companies, as a speaker for the INVICTUS Webinar Series. He has also written and published a large number of Military Papers. Presently, he is working with Darwin Platform Group of Companies having 21 verticals with a total of 65000 crores assets. The Defence General Management Program batch enjoyed interacting with him and gained insights from his vast military and corporate experience.





Drona Leadership Talks

NITIE Mumbai welcomed Mr Aditya Malik, Director, Strategy& as a speaker for Drona Leadership Talks. He is Director with the Consumer and Retail practice of Strategy& India, based in Mumbai. Mr. Deepak Goel, Vice President, Shadowfax was also a speaker for Drona Leadership Talks. Mr. Goel, a NITIE Alumnus, is Manufacturing and Supply Chain Professional with 14 years of experience in supply chain management. He was previously associated with P&G as a Senior Director. NITIE was honored to welcome Mr. Arindam Sen, Solution Director of Supply Chain Consulting and Manufacturing at HCL, as a speaker for Drona Leadership Talks. NITIE, Mumbai also hosted Mr. Nandkumar kulkarni, Director, Integrated Supply Chain, Mondelez India, for Drona Leadership Talks. During the session, the PGDEX-VLFM, Class of 2022, gained insights on the new "Normal" for global supply chains and how to design high-performing supply chain processes using "Power of AND". He emphasized the significant role of digital transformation in gaining a competitive advantage. He also discussed compelling business needs and agility in SCM.



Corporate Talk series on 'Reimagining Mobility for the Future'

NITIE Mumbai, was honored to have Dr. Shankar Venugopal for the 5th session of the corporate talk on "Reimagining Mobility for the Future". Dr. Shankar Venugopal is the Vice President, Mahindra Research Valley, Chennai. He interacted with NITIE faculty members & students through online talk and highlighted developing sustainable urban mobility solutions across electric vehicles, connected vehicles, and autonomous vehicles. He talked about how to refocus R&D to enable the vision of sustainable mobility. Dr. Venugopal talked about the sourcing and supply system of battery material for electric vehicles and mentioned recycling and reusing the critical material needed to scale up and sustain electric mobility. The attendees got a fair insight into the evolution of Li-ion batteries and LIDAR technology from the session.



Workshop on Excellence in Communication

NITIE conducted an online workshop on "Excellence in Communication" on 21st December 2021 under the banner of the Town Official Language Implementation Committee (TOLIC), Mumbai North. Prof. Manoj Kumar Tiwari, Director, NITIE, inaugurated the workshop. Dr. Basavaraj Swamy, Registrar, welcomed all the participants and appealed to take advantage of this workshop. Around 65 Executives and Official Language Officers from various Government Offices participated. On this occasion, Shri Amitabh Kumar, President, TOLIC and The Directorate General of Shipping, emphasized the importance of "Communication Skill" and requested all the participants to practice it in their homes & offices. Mohd. Aftab Alam, Hindi Officer, conducted the workshop successfully. The workshop ended with a vote of thanks by Shri Vimlendra Pal Singh Bhadoria, Member-Secretary, TOLIC (North Mumbai).





Essentials of Environmental Compliance

National Institute of Industrial Engineering Mumbai, in partnership with Eknect Knowledge Foundation and support from Environmental Management Centre LLP, successfully completed Module 1 (Essentials of Environmental Compliance) of the Certificate Program on Sustainability. There were seven distinguished speakers and 15 hours of Learning. Anchor Faculty were Dr. Prasad Modak, Director, Eknect Knowledge Foundation and Executive President, Environmental Management Centre LLP and Prof. Anju Singh, Professor, Sustainability Management, NITIE.



Deep Learning in Finance

NITIE Mumbai successfully inaugurated Global Online Certification Program on “Deep Learning in Finance” in collaboration with Prof. Rahul Rai, Professor & Dean’s Distinguished Professor, Clemson University. Mr. Giriraj Prasad Garg, Executive Director, SEBI, graced the occasion as Chief Guest.



Course on: End-to-End Supply Chain Transformation through Digitization

NITIE completed yet another Global Online Certification Course on ‘End-to-End Supply Chain Transformation through Digitization’ in association with Prof. David Simchi Levi (MIT, USA) under the leadership of Prof. Manoj Tiwari, Director NITIE. This course was launched under NITIE's Centre of Excellence in Logistics and Supply Chain Management which aims to develop India's logistics sector through applied research and industry outreach to tackle real-time business scenarios. It was 20 Hour, weekend-only course exclusively designed for industry professionals and corporate groups to gain a competitive advantage in their Supply chains, spanning across 4 weeks (8 lectures). This course received an overwhelming response with 350+ participants from 9+ countries and 110+ organizations, including professionals from prestigious national and international organizations like Micron Technology, Genpact, John Deere, Tata Steel, Larsen & Toubro, Asian Paints, Honeywell, Cipla, Mondelēz International, MG Motors, Landmark Group, and many more. Prof. David Simchi-Levi enlightened the participants about matching the supply chain strategy with product, Inventory optimization, long tail approach, Case Studies on Demand, variability, allocated margin and shifting the push-pull boundary, transitioning from local to global optimization, supply chain segmentation and digitization, Demand analytics, Smart S&OP and smart execution.



Course on: Social Network Analysis and its application

NITIE launched Global Online Certification Course on 'Social Network Analysis and its application' in association with Prof. Noshir Contractor (Jane S. & William J. White Professor of Behavioral Sciences - McCormick School of Engineering & Applied Science - The School of Communications, Kellogg School of Management at Northwestern University) under the leadership of Prof. Manoj Tiwari, Director NITIE). The course offers a set of strategic principles for you to create, maintain and dissolve network ties. These principles vary depending on your desire to explore innovations, engage in entrepreneurship/finance/marketing, exploit existing resources, implement change, or mobilize for strategic partnerships. The course will identify the optimal principles in these diverse contexts using a set of review articles, case studies, as well as computer based visual-analytic demonstrations.



NITIE welcomes Prof Yogesh K Dwivedi, Swansea University, UK

National Institute of Industrial Engineering welcomed Professor Yogesh K Dwivedi, Professor of Digital Marketing and Innovation, Swansea University, Wales, UK, and Editor-in-Chief, International Journal of Information Management on December 11, 2021. Thanks to Prof. Manoj Tiwari, Director NITIE, for inviting him to the NITIE Campus and providing an opportunity to doctoral students and faculty to interact with him. Professor Yogesh K Dwivedi shared the insights on developing manuscripts for quality research publications with NITIE Fellow students. NITIE Mumbai looking towards having a good relationship with him and Swansea University, UK.



NITIE launches 'Apoori Shrankhla kay Saarthi' initiative for the welfare of truck drivers

NITIE Mumbai initiated an outreach program 'Apoorti Shrankhla kay Saarthi' (Drivers of Supply Chain) to understand truck drivers' issues. A documentary film was made under the guidance of Prof. Manoj K Tiwari, Director NITIE to understand the truck driver dynamics. Thanks to Mumbai Port Trust Dock and General Employees Union (MPTD&GEU) for their support in completion the event.

Prof Nikhil K Mehta conceptualized, directed, and narrated the documentary film. Prof. Vivekananda Khanapuri, Dean (SRIC), NITIE, Prof. Shankar Murthy, Professor (Safety), NITIE, Adv. S.K. Shetty, Chairman (MPTD&GEU), and Shri Sudhakar Apraj, General Secretary (MPTD&GEU), Dr Vishnu A Patankar, NITIE graced the occasion. NITIE in collaboration with MPTD&GEU formulated plans to organize awareness and safety training programmes for truck drivers supporting them to seek social sensitivity and behavioural safety.

Under the initiative, a team had visited the field to interview truck drivers and experts. Prof. Nikhil K Mehta produced and directed the research-based documentary film "Apoorthi Shrankhla kay Saarthi". The documentary film demonstrates experiences of how truck drivers work under harsh conditions and various problems faced by them. Mumbai Port Trust Dock & General Employees Union supported this initiative of the Institute. The problems of the truck drivers were presented to the experts to seek solutions. The documentary film paved the pathway for future actions and shall serve as a case study to several supply chain enthusiasts.



Vigilance Awareness Week-2021 is celebrated at NITIE, Mumbai



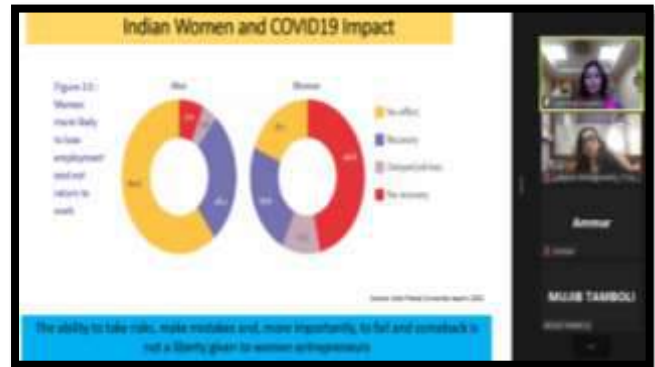
NITIE, Mumbai, conducted the Vigilance Awareness Week- 2021 from October 26th to November 1st, 2021. The central vigilance committee commemorates this day every year. The goal of Vigilance Awareness Week is to raise public awareness about the negative consequences of corruption. This year's vigilance week topic was "Independent India @ 75: Self Reliance with Integrity."

Prof. Manoj Tiwari, Director NITIE, kicked off the programme by discussing the need of being watchful in a B-School. Following that, the oath-taking ceremony took place, during which the Professors, staff, and students swore an oath to keep honesty in contracts and to be fearful of social ostracism while carrying out their ordeals. The discussion concluded with a remark to students on how to deal with ethical quandaries in the workplace.

NITIE Diversity, Equity and Inclusion Initiative

NITIE in partnership with FICCI FLO successfully concluded its first Women Entrepreneurs Leadership Series. The program titled “Cultivating a Growth Mindset” received an enthusiastic response from over 40 Women Entrepreneurs across the country. The series was launched under the able guidance Prof. Manoj Kumar Tiwari, Director NITIE, and Dr. Vivekand Khanapuri, Dean SRIC, and supported by Lubeina Shahpurwala, Chairperson, Tehmina Khandwala, Vice-Chairperson, and Aarmeen Dordi, Treasurer, FICCI FLO Mumbai Chapter. The program was designed and led by Dr. Upasna A Agarwal and organized by the DEI Team, NITIE.

Adding to this, National Institute of Industrial Engineering Mumbai, in partnership with FICCI FLO Mumbai, also conducted monthly webinar series for women entrepreneurs titled Women Leadership Series. The discussions were based on research undertaken on themes addressing growth concerns and mindset building among women entrepreneurs. The series is a part of the Diversity & inclusion initiatives at NITIE.




NITIE & FICCI Flo Mumbai
Invite you to:
WOMEN'S LEADERSHIP WORKSHOP
ADOPTING A FINANCIAL MINDSET
30TH NOVEMBER 4 PM - 5 PM

Key Takeaways

- Commit to financial stability
- Stop Focusing On What Others Have
- Practice Money Affirmations
- Be Grateful and Practice Gratitude
- Create Big Money Goals
- Believe In Yourself

PROF. K.S. RANJANI
Chartered Accountant,
Cost Accountant and Ph.D
in Management Studies

Dr. Prof K S Ranjani, Chartered Accountant and Ph. D in Management Studies will talk about adopting a financial mindset when embarking on an entrepreneurship journey. Belief in oneself on aspiring money goals in a realistic and justifiable manner is the key to one’s success. The second program, in series was held on 30th November, and was titled “Adopting a Financial Mindset”, received an enthusiastic encouraging response from women entrepreneurs. Prof Dr. K.S. Ranjani, Faculty from Finance and Accounting, NITIE, held the audience spell bound with financial concepts and anecdotes on managing financial mindsets.

The Third program, in series was held on 17th December, and was titled “Embracing a Digital Mindset”. Prof Dr Priyanka Verma speaker of the session, Delivered the concepts of Digitization which is less about technology and more about mindset. By conceiving a digital mindset, companies can disrupt their business from within, and shape their future success. This is key to maintaining efficiency, agility, and competitive advantage in a digital age.



NITIE AND FLO MUMBAI INVITE YOU TO
EMBRACING A DIGITAL MINDSET

KEY TAKEAWAYS:

- DON'T ALL DIGITAL TRANSFORMATIONS HAVE TO BE ABOUT TECHNOLOGY. IT'S ABOUT CULTIVATING A DIGITAL MINDSET.
- FOUNDATIONAL VALUE OF DIGITAL TECHNOLOGY.
- RECONSIDER YOUR BUSINESS MODEL.
- ONE OF THE MAIN REASONS WHY DIGITAL TRANSFORMATION OFFERS OPPORTUNITIES AND CHANGES MANAGEMENT.
- IT ENHANCES THE HEALTH OF FIRMS AND EMPLOYMENT.
- DIGITAL IS A LEARNING OPPORTUNITY.

PROFESSOR PRIYANKA VERMA
Associate Professor and Director
of the Business Analytics
at NITIE



The slide shows a flowchart of the 'NITIE FICCI FLO MONTHLY WOMEN'S LEADERSHIP SERIES'. It lists three sessions: 'Adopting a Financial Mindset', 'Embracing a Digital Mindset', and 'Cultivating a Growth Mindset'. Each session is associated with a speaker's name and a small portrait. The flowchart indicates a sequential order of sessions.

National Education Day

On November 11, NITIE honored India's first Education Minister, Late Shri Maulana Abul Kalam Azad Ji, commemorating National Education Day. The event was blessed by Dr. Vilas S Sapkal, the Chief Guest (VC, MGM University, Aurangabad). Prof. Manoj K. Tiwari, Director NITIE, opened the event with a welcome message centered on the late Shri Maulana Abul Kalam Azad Ji's life. The important aspects of the New Education Policy



Constitution Day

NITIE organized the Constitution Day Celebration (Samvidhan Diwas Samaroh) online on 26th November 2021. Prof. Shirish Sangle, Dean (Alumni & International Affairs), NITIE, read the preamble of the Constitution, followed by everyone present on the lawn. The ceremony began with the garlanding of Dr. B.R. Ambedkar and Chhatrapati Shivaji Maharaj's sculptures. Adv. (Dr.) Ashok Yende, Head, Department of Law & Director, Law Academy, and the University of Mumbai, was the Chief Guest on this occasion. Adv. (Dr.) Ashok Yende emphasized the need to comprehend the Constitution for every Indian citizen. He remarked that the Constitution is built on the principles of fraternity and the rule of law and that it aids in the development of the nation's ethos. The winners of the Constitution Day Essay Writing Competition were felicitated.



Convocation

National Institute of Industrial Engineering (NITIE), Mumbai held its XXVI Convocation Ceremony today virtually at its campus in Mumbai, Maharashtra. The Chief Guest for the 26th Convocation of NITIE Mumbai was Hon'ble Minister of Education, Govt. of India, Shri Dharmendra Pradhan & Guests of honor were Dr. K. Radhakrishnan, Chairman, IIT Kanpur & Dr. Anil Sahasrabudhe, Chairman, AICTE and Mr. Shashi Kiran Shetty, Chairman, NITIE Board of Governors & Allcargo Logistics, who addressed the event virtually.



Convocation

Over 1500 guests comprising of students, parents, alumni, faculty, and staff members attended the virtual convocation.

Prof. Manoj Tiwari, Director NITIE shared the achievements of the students and the awards won under various categories, both in academics as well as industry-collaborated projects.



The break-up of students getting awarded this year are as follows:

- Fellow students: 25 (2020 & 2021)
- Industrial Engineering: 230 (48th & 49th Batch)
- Industrial Management: 510 (25th & 26th Batch)
- Industrial Safety & Environment Management: 34 (18th & 19th Batch)
- Manufacturing Management: 65 (5th & 6th Batch)
- Project Management: 62 (5th & 6th Batch)
- PGPEX-VLFM: 35 (2020 & 2021)



Inauguration of Defence General Management Program

National Institute of Industrial Engineering (NITIE) partnered with the Directorate General Resettlement (DGR), Ministry of Defence, Govt of India to offer 6 months full time accelerated General Management Programme (DGMP) for Defence Officers. The 1st Programme was launched on 18th October 2021. The inauguration ceremony witnessed the presence of dignitaries and DGMP participants both online and offline mode. Prof. Manoj Kumar Tiwari, Director NITIE; Prof. Vivek Khanapuri - Dean SRIC; Prof. Hema Date - Dean Student Affairs; Prof. Padmanav Acharya - Dean Academic; Prof. Shirish Sangle - Dean Alumni Affairs; Prof. Rauf Iqbal - Associate Dean Placement & Branding; Prof. Vivek Knanzode - Associate Dean Planning & Coordination; Dr. Basavaraj Swamy - Registrar; Prof. Utpal Chattopadhyay - Chief Warden and other Faculty members, Officers and staff members were present in the inauguration ceremony. The distinguished guests and speakers from industry were Mr. Rajiv Sinha - Corporate HR, Learning & Development, Larsen & Toubro Ltd.; Mr. Hemant G. Badri - Senior Vice President and Head of Supply Chain, Flipkart group; Mr. Pankaj Agrawal - Global Head, Operational Excellence, Lupin Pharmaceuticals; Mr. Murugan Pugalenti - Capability Harmonisation and Innovation Director, J&J; Mr. Pawan Verma - Head of Purchase and Sustainability Leader, P&G.



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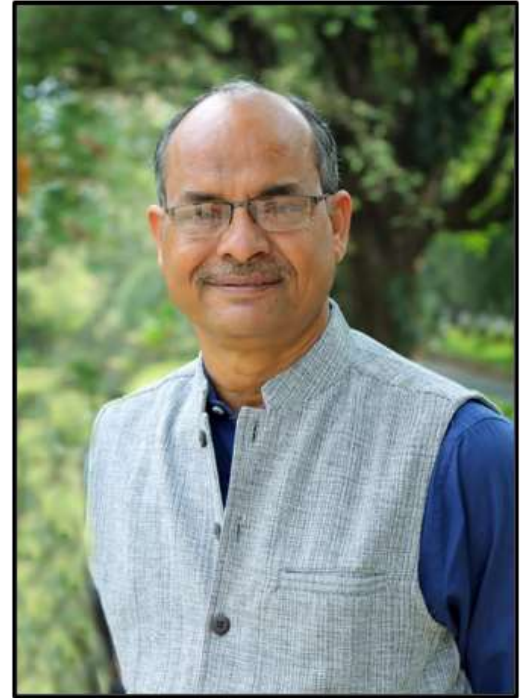
Faculty Focus

Faculty Research

The research work of Prof. Manoj Kumar Tiwari, Director NITIE, and team published in the International Journal of Production Research on "Impact of COVID-19 on logistics systems and disruptions in food supply chain" has been converted into an excellent video by the Taylor & Francis Research Communications Services.

The research has addressed labour shortage during Covid-19 by introducing Synchronous Truck Drone System to rapidly deliver essential items to the customers in the hot zone while maintaining social distancing protocol. The algorithm developed will determine optimal parking traveling positions of the truck and the operation of the drone.

Also, the research team has created a simulation model of Public Distribution System (PDS), which is the cross-country essential food-service system of the Government serving over 800 million citizens. The simulation model of PDS operation will effectively work under various scenarios despite disruption in the food supply chain. Taylor and Francis Research Communications Services converted the research work into a very interesting video to show the impact of NITIE research work published in IJPR.



Research Publications by Director NITIE

Sahoo, R., Pasayat, A. K., Bhowmick, B., Fernandes, K., & Tiwari, M. K. (2021). A hybrid ensemble learning-based prediction model to minimise delay in air cargo transport using bagging and stacking. International Journal of Production Research, 1–17

Sahoo, R., Bhowmick, B., & Tiwari, M. K. (2021). Developing a model to optimize the cost of consolidated air freight considering the varying scenarios. International Journal of Logistics Research and Applications, 1–25.

Abhijeet Ghadge, Sarat Kumar Jena, Sachin Kamble, Dheeraj Misra & Manoj Kumar Tiwari (2021) Impact of financial risk on supply chains: a manufacturer-supplier relational perspective, International Journal of Production Research, 59:23, 7090-7105

Vijaya Dixit, Manoj Kumar Tiwari, Learning curve based integrated procurement and project scheduling of multiple sister ships project, Computers & Industrial Engineering, Volume 162, 2021,

Faculty Ratings

It was indeed a proud moment for NITIE Mumbai, as three of its faculty members, Prof. Manoj Tiwari, Prof. Upasna A Agarwal, and Prof. Rakesh Raut, have figured among the top 2% researchers for a single year impact in the world as per the study conducted by scientists from Stanford University and published by Elsevier. The selection is based on the top 100,000 by c-score (with and without self-citations) or a percentile rank of 2% or above.



Faculty Achievements

Prof. Rekha Chikhalkar is nominated as an 'Expert' by All India Council of Technical Education (AICTE) on 'Expert Visiting Committee (EVC)' to scrutinise academic & infrastructure facilities. All technical & management colleges and institutes are required to get grant of approval from EVC for starting or modifications of any new program.



Research Papers

Shashank Kumar, Rakesh Raut, Maciel M. Queiroz, Balkrishna Narkhede (2021), "Mapping the barriers of AI implementations in the public distribution system: The Indian experience", Technology in Society, Volume 67

Kirti Nayal, Rakesh Raut, Vinay Yadav, Pragati Priyadarshinee, Balkrishna Narkhede(2021), "The impact of sustainable development strategy on sustainable supply chain firm performance in the digital transformation era", Business Strategy and the Environment

Panda A K., Panda P., Nanda S., Atul Parad (2021), Information bias and its spillover effect on return volatility: A study on stock markets in the Asia-Pacific region, Pacific-Basin Finance Journal, Vol. 69,

Kirti Nayal, Rakesh Raut, Balkrishna Narkhede, Pragati Priyadarshinee, Gajanan Panchal, V. Gedam (2021), "Antecedents for blockchain technology-enabled sustainable agriculture supply chain", Annals of Operations Research.

Faculty Development Programs

"Research Methodology on Applied Econometrics (Advanced)", A capacity building Program sponsored by ATAL, AICTE, scheduled on 22nd -26th Nov 2021. (Course Coordinator and course instructor: Prof. Ajaya K. Panda and Prof Rakesh Verma).

"Mathematical and Statistical Foundation for Business Analytics", A Data Science Program sponsored by ATAL, AICTE, scheduled on 18th -22th Oct 2021. (Joint Course Coordinator and course instructor: Prof. Ajaya K. Panda and Prof Rakesh Verma)-

Workshop

Workshop on "Research Methods using Design Science and Rigorous Case Study Approach", by Prof. Jayanth Jayaram, University of Oklahoma, Norman, OK 73019. Coordinated by Prof. Ajaya Kumar Panda

NITIE Outreach Activity: Management Development Programs

Online MDPs conducted (October to December 2021)

Sr No.	MDP Title	Course Leaders	Periods
1.	Market Risk Analytics	Prof. M. Venkateshwarlu Prof. Ajaya Kumar Panda	01st - 05th Oct 2021
2.	Financial Engineering & Data Science for Investment	Prof. Vipul Kumar Singh	18th - 23rd October 2021
3.	Sustainability Performance Management in Post COVID-19 era	Prof. Shirish Sangle Prof. Vidyadhar V. Gedam	08th - 12th November 2021
4.	Creating Value Through Innovation and Technology Transfer Analytics	Prof. Ruchita Gupta	19th - 23rd Nov 2021
5.	Case Writing and Teaching	Prof. Neeraj Pandey	22nd - 26th Nov 2021
6.	Industrial Safety and Environmental Management, Compliances and ESG Framework	Prof. Seema Unnikrishnan Prof. Hema Diwan	06th - 8th Dec 2021
7.	Developing Commercial and Financial Skills for Strategic Business	Prof. K. S. Ranjani	06th - 10th Dec 2021

Upcoming MDPs Next Quarter

Sr No.	MDP Title	Course Leaders	Periods
1.	Supply Chain Finance	Prof. M. Venkateshwarlu / Prof. Rakesh Raut	28 th Jan – 05 th Feb 2022
2.	Business Strategies for Emerging Markets	Prof. Utpal Chattopadhyay / Prof. Binilkumar A. S.	10 th Feb – 15 th Feb 2022
3.	Forecasting for Business Excellence	Prof. Debabrata Das / Prof. Priyanka Verma / Prof. Sushmita Narayana	26 th – 01 st Apr 2022

NITIE Outreach Activity: Unit Based Programs (UBPs)

Online UBPs conducted (October to December 2021)

Sr No.	Name of Organisation	UBP Course Title	Course Leaders	Periods
1.	M/s. Larsen & Toubro Limited, Lonavala	Executive Development Programme (EDP)	Prof. Upasna A Agarwal	25th -30th October 2021
2.	M/s. Indian Oil Corporation Limited, Mumbai	Risk Analysis, HAZOP, BBS and Disaster Management - 2nd Batch	Prof. Seema Unnikrishnan, Prof. Shankar Murthy, Prof. Vidyadhar Gedam	27th - 29th October 2021
3.	M/s. Mahindra Logistics Limited, Mumbai	Enterprise Management Solutions (Batch 1st)	Prof. Seema Unnikrishnan, Prof. B. E. Narkhede	23rd Oct & 13th Nov 2021
4.	M/s. Mahindra Logistics Limited, Mumbai	Enterprise Management Solutions (Batch 2nd)	Prof. Seema Unnikrishnan, Prof. B. E. Narkhede	20th & 27th Nov 2021
5.	M/s. ONGC Tripura Power Company Limited, (OTPC), Delhi	Legal Aspect Labour Laws Compliance	Prof. D. K. Srivastava	22nd - 25th November 2021
6.	M/s. Indian Oil Corporation Limited, Mumbai	Risk Analysis, HAZOP, BBS and Disaster Management - 3rd Batch	Prof. Seema Unnikrishnan, Prof. Shankar Murthy, Prof. Vidyadhar Gedam	24th - 26th November 2021
7.	M/s. Larsen & Toubro Limited	Effective Stores Management	Prof. Rakesh Raut, Prof. Rofin T. M.	06th - 10th December 2021
8.	M/s. Larsen & Toubro Limited, Lonavala	Executive Development Programme (EDP)	Prof. Upasna A Agarwal	06th - 11th December 2021 (3rd Batch)
9.	M/s. HAL Management Academy, Bengaluru	Business Negotiations Skills	Prof. Nikhil K. Mehta	08th December 2021
10.	M/s. ONGC Tripura Power Company Ltd	Renewable Energy	Prof. Anju Singh, Prof. Hema Diwan and Prof. Binilkumar Amarayil S	13-15 December 2021

NITIE Outreach Activity: Consultancy Assignments

Completed Cunsultancy Assignments (October-December 2021)

Sr No	Name of the Organization	Area	Remarks
1.	M/s. Gujarat Narmada Valley Fertilizers & Chemicals Limited, Gujarat.	Devising the Profitability and Productivity Linked Bonus (Incentive) Scheme	Completed in November 2021

Consultancy in Progress

Sr No.	Name of the Organisation	Area	Starting Year
1.	M/s. TVS Institute for Quality & Leadership Bangalore	Industrial Workplace Improvement Study	2019-20
2.	M/s. Haldia Petrochemical Ltd.,	Organizational Structure	2020-21
3.	M/s. Bajaj Electricals Ltd., Mumbai	Plant Capacity Assessment	2020-21
4.	M/s. Piaggio Vehicles Pvt. Ltd., Pune	Job Evaluation	2018-19
5.	M/s. Jawaharlal Nehru Port, Trust, Navi Mumba	Planning and Implementation Study for Augmentation Fresh Agri Produce Storage and Processing Facility”	2021-22
6.	M/s. Praj Industries Limited, Pune	Audit the Methodology Adopted for Measurement of Plant capacity	2021-22
8	M/s. ESL Steel Limited, Bokaro	Manpower Optimization Study	2021-22
8	M/s. Tata Power Solar Systems Limited, Bengaluru	Productivity Improvement of Large Project Sites	2021-22



Alumni

Sansmaran

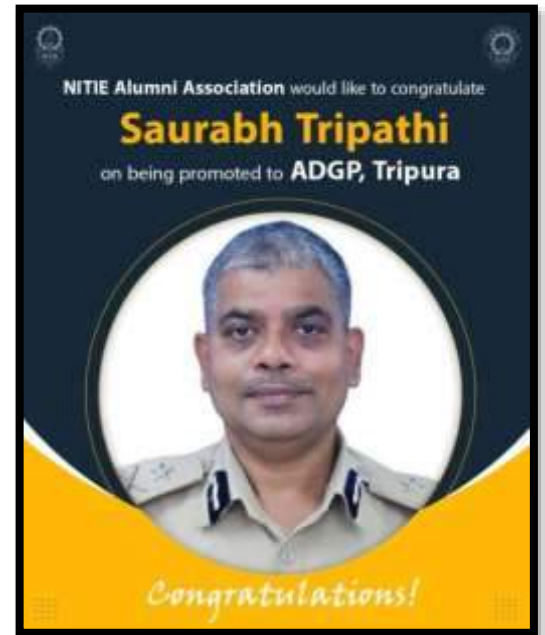
NITIE Mumbai organized Sansmaran 2021, which was themed around Technology Post-Pandemic. The event started with the felicitation of DAA (Distinguished Alumnus Award) awardees as National Institute of Industrial Engineering always applauds exceptional alumni acknowledging their contributions to the college. This was followed by the PYA (Promising Young Alumnus) segment to give an impetus to our young alumni for their impeccable achievements at a very young age. The Institute announced student awards to acknowledge their academic and extracurricular achievements with the help of generous contributions made by our alumni to the institute in the form of scholarships. The stage was then set for the felicitation ceremony of batch PGDIE 09 (for completing 40 years), PGDIM 02 and PGDIE 25 (for completing 25 years), PGDIE 39, PGDIM 16, PGDISEM 09 and PGDITM 04 (for completing 10 years) to appreciate our alumni who have brought laurels to NITIE. They have contributed significantly paving the way forward for the institute, and it is largely because of them that NITIE is recognized as one of the most prominent industrial engineering and management institutes.

Every year NITIE felicitates our alumni who have completed 10, 25, and 40 years since their graduation, and this year it was the turn of beloved alumni from the batches IM2, IM16, IE9, IE25, IE39, ISEM9, ITM4. Even though the event was virtual. The Alumni from the IM2 batch made a generous donation of amount Rs. 50 lakhs to National Institute of Industrial Engineering, for the development of a Data Science Lab in the campus.



Alumni Achievement

The hallmark of any prestigious institute is the laurels of its alumni and the impact they are making on society. Time and again, National Institute of Industrial Engineering, Mumbai has produced illustrious alumni who have excelled and acquired positions of eminence in various fields. Today marks another day when the legacy of our institute has been promulgated to new heights. NITIE Mumbai would like to take this opportunity to congratulate Mr. Saurabh Tripathi (PGDIE, Batch of 1997) on his new appointment and promotion as ADGP, Tripura. He has had a distinguished career where he has been decorated throughout. He was awarded DGP Disc (Highest Reward which Director General of Police gives) in the Year 2001 for his services as the Superintendent of Police (Government of Tripura) and also the "Kathin Sewa Padak" by the Government of India. He has acted as an instrument of change wherever he has been and apart from sincerity, hard work, brilliance, he has demonstrated social responsibility towards his nation and his alma mater. The institute hopes this new position brings him more success and higher laurels.



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Student Focus

Avartan

Avartan was entirely conducted online this year because of the pandemic caused by the spread of SARS-CoV-2, a strain of coronavirus. Social distancing was imperative to save people from the virus, and the team of Avartan adapted to the constraints by conducting events in virtual mode. Avartan 2021 was conducted under the leadership of Prof. Manoj Kumar Tiwari, Director NITIE, and Dean Student Affairs ma'am, Prof. Hema Date

The Prerana Business Meet (PBM), a flagship event of Prerana, is a conclave for the country's most influential leaders to discuss the current critical issues of business and its impact on the country's economic and geopolitical growth through business talks. NITIE hosted five brilliant minds of the industry for Prerana Business Meet 2021.

The themes in focus this year were 'Creating Culture of Innovation', 'Bringing ESG to the Mainstream', 'Digital Skill Development in Industry 4.0 Era', 'Accelerating Sustainable Construction in India', and 'Adaptive Leadership in Uncertain Times'. The discussions on the topics were quite engaging and informative, thanks to our esteemed guests' vast experience and stature. The depths of discussions brought new perspectives regarding technological innovation and its application to drive business.

Cita-De-La Prerana has had a tradition of hosting some eminent personalities. This year, Mr. Pankaj Tripathi graced us with his presence. The diverse experiences shared by him certainly inspired the audience to follow their passion.

'Lakshya Business Visionary Award' was initiated in recognition and appreciation of achievements, to those leaders, who changed the course of the wind and came out winning due to their exemplary vision & leadership. NITIE & Avartan took immense pride in honoring Shri. Arvind Krishna – Chairman & CEO, IBM as the NITIE Lakshya Business Visionary Awardee of the year 2021 for his exemplary contribution to the global advancement of innovation and technology.



Placements

National Institute of Industrial Engineering Mumbai would like to congratulate the Senior Placement Support Team for their commendable job done for the LRP with very exciting profiles and packages. Being part of NITIE placements, the Student Placement Support Team plays an instrumental role in the placement of the batch, for building corporate connections, onboarding new firms, nurturing potential corporate leads and supporting Institute's effort to ensure that all students land their dream jobs. It is indeed an extremely important role to hold, as a Placement committee member for representing the Institute and having a paramount impact in shaping the students' career.



NITIE Mumbai's Centre of Excellence in Logistics & Supply Chain Management's Case Study Competition

NITIE Mumbai's Centre of Excellence in Logistics & Supply Chain Management paired up with D2C to host a Supply Chain Case Study Competition.



IT & Analytics Module

The increasing complexity of business problems has mandated technology and analytics to improve business performance. Some of the most impactful project presentations involved comparing cloud platforms and using various analytics techniques and optimization models to streamline the organization's business processes.

The esteemed panel of jury members:

1. Meghana Patil - Vice President- Analytics and Innovation at LogiCloud Supply Chain
2. Kiran Diwakar - Senior Director of Product Management, ZS Associates
3. Rajan Vasani - Director Technical Product Management, GE Renewable Energy
4. Thanmathi T, Barclays

Winner - Anant Gupta, IIM Lucknow

Runner - Rajpal Bijarnia from IIM Indore.

NITIE Summer Project Contest

NITIE Summer Project Contest 2021 was a spectacular event and brought together the country's best minds. This year contest received over 200 entries from various B-Schools across the nation. The top 6 entries were selected to present their work to the illustrious jury members who picked out the winner after rigorous questioning.

Supply Chain Module

Disruption in traditional Supply Chain Management has led to the evolution of innovative and more resilient solutions. This was quite evident from the projects presented by the participants that amalgamated technology with conventional processes. Event had witnessed creative strategies to develop new distribution networks, warehouse optimization, and more for business organizations.

The esteemed panel of jury members for Supply chain module:

1. Sanjay Mukherjee - Senior Director Supply Chain Management, Whirlpool of India Ltd.
2. Balaiyya Guglot - Head - Supply Chain Management, Lotte India Corporation Limited, Chennai
3. Saurabh Lal - Sr Director, Supply Chain, Kellogg's
4. Manish Gupta - Head - Supply Chain, India at Stanley Black & Decker, Inc.

Winner - Ayush Garg, NITIE Mumbai

Runner – Vishal Kumar Singh, NITIE Mumbai.



University Alliances in association with HEC Montreal. The team had successfully qualified the Indian Subcontinent rounds having teams from Bangladesh, India, and Sri Lanka. The team will now be moving forward to the Asian Pacific and Japan (APJ) Cup next. We sincerely thank Prof. Manoj Tiwari, Director NITIE, and our mentor Prof. Purnima Sangle. We also take this opportunity to thank Professor Ramesh Behl. A big thanks to Mr. Rahul SACHDEV, Director, SAP University Alliances India Subcontinent and Mr. Crispian Tan, Senior Director, SAP University Alliances APJ at SAP for giving us this fantastic opportunity. Heartiest congratulations to the students' team Siddharth Kaira, Jatin Katke, Manpreet Singh, Vaibhav Ghorpade and Karan Patowary.



ERP Simulation

Teamwork is at the heart of winning Championships. The team from National Institute of Industrial Engineering Mumbai won the 1st prize in the ERP Sim competition organized by SAP

India International Science Festival (IISF)

The 7th edition of the four-day India International Science Festival (IISF), held at Panaji, Goa, from December 10 to 13, 2021, is being organized. The theme of the IISF, 2021, is "Celebrating Creativity in Science, Technology, and Innovation for a Prosperous India". 12 programs, including the mega-science and technology expo, are planned according to this theme.

India International Science Festival 2021@ Goa

Honorable Director General CSIR, Prof. Shekhar Mande, visited the NITIE pavilion and interacted on the Institute programs and objectives. He showed eagerness in the research and extension activities of our Institute.

It was indeed a respectful and courteous experience for us at the NITIE pavilion to participate in such a mega platform in the country that brings the young minds, the public, researchers, innovators, and artists to experience the joy and triumph of science that is committed to the wellbeing of humanity.



Reliance TUP 7.0

Hearty Congratulations to the following students for emerging as winners and runner's up of Reliance - TUP7.0 (The Ultimate Pitch) Campus Rounds from NITIE Mumbai.

1. **Winners: Team Barbarians**
Saurabh Kumar, Abhishek Bhushan, Mohit Passi, Yogesh Pandey
2. **Runner's Up Team A Cube C**
Ankesh Shaw, Aishwarya Jain, Aditya Sharma, Chandan Singla
NITIE congratulates the teams on this achievement and wishes them the best for further rounds.



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NITIE In News



NITIE DIGITAL MIRROR

Vol 40 Issue 4 | Oct To Dec 2021

THANK YOU



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