

6th IEOM India International Conference on Industrial Engineering and Operations Management

~Bangalore, India

BEST INNOVATION UNIVERSITY

ORGANIZER



HOST



November 5-7, 2026

Sponsors and Partners



Organizer



IEOM Society

"Achieving and Sustaining Operational Excellence"

www.ieomsociety.org

Industrial Engineering and Operations Management Society International

IEOM Society International, 21411 Civic Center Dr., Suite 205, Southfield, Michigan 48076, USA

Phone / WhatsApp: +1-734-530-7520, Email: info@ieomsociety.org

Welcome to the 6th IEOM India International Conference on Industrial Engineering and Operations Management – Bridging Grassroots Innovation with Global Operational Excellence

Bengaluru, India, November 5–7, 2026

Venue: FKCCI Bangalore (November 5–6) and BESTIU Campus (November 7)

Host: Bharatiya Engineering, Science & Technology Innovation University (BESTIU)

To All Conference Attendees:

IEOM Society International is pleased to welcome you to the 6th IEOM India International Conference on Industrial Engineering and Operations Management, taking place November 5–7, 2026, in Bengaluru, India, with the final day at the BESTIU campus. The conference theme is “Bridging Grassroots Innovation with Global Operational Excellence.”

The conference brings together academicians, researchers, industry leaders, engineers, students, and professionals from India and around the world to exchange knowledge, present research, and discuss practical solutions to challenges in industrial engineering and operations management. It highlights the connection between grassroots innovation and global operational excellence, with topics spanning manufacturing, supply chain and logistics, artificial intelligence, automation, robotics, simulation and optimization, quality, sustainability, engineering management, and Lean Six Sigma.

The program features keynote presentations, technical sessions, expert panels, workshops, student competitions, poster presentations, and opportunities for networking and industry engagement. The conference welcomes participants from academia, industry, government, professional organizations, and student communities. More than 400 submissions are received from more 27 countries.

Keynotes

Dr. Rupa Vasudevan, Chancellor, Bharatiya Engineering Science and Technology Innovation University (BEST IU), Anantapur, Andhra Pradesh
Dr. Ekta Kapoor, Head, National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), Department of Science and Technology (DST), Government of India (GOI)
Dr. Ahad Ali, Associate Professor and Director of DEng in Advanced Manufacturing, LTU, USA and CEO of IEOM Society, USA
Dr. Kamel Ghazouani, Institut des Hautes Études Commerciales de Carthage (IHEC), University of Carthage, Tunis, Tunisia
Saishyam Narayanan, CEO, IIT Palakkad Technology IHub Foundation (IPTIF)
Dr. BVK Sastry, Founder Chancellor, Yoga-Samskrutham University, USA
Dr. Arindam Das, Director – Srishti, Manipal Institute of Art, Design & Technology
Sudhakar Rao, Director- Branding, ICFAI Group, Hyderabad, Telangana, India
Lt Gen Arun Kumar Sahni, Former General Officer Commanding In Chief, Indian Army, Present President, Information Security Council of India
Dr. AB Patil, President IAT, Bengaluru
Dr. Narendranath Dutta, CEO, I Hub, IIT Guwahati
Dr. Sharon Ravitz-Wyngaard, Academic Director, Arava International Center for Agricultural Training (AICAT), Israel
Dr. Gopal Lal, Director NAARM
Suresh Done, Chief AI Officer, AI Authority, Michigan, USA
Dr. Akhilesh Gupta, Former Secretary, Science and Engineering Research Board (SERB) DST
Dr. T. Sasilatha, Principal-General Programs, Amet University Chennai
Dr. Tharamani C. Nagaiah, Professor and Head of the Department of Chemistry, IIT Ropar, India
Anand Handa, Chief Strategy Officer (CSO), C3iHub, IIT Kanpur

The conference leadership and committee members bring a broad range of experience in industrial engineering, manufacturing, operations management, engineering education, and industry collaboration.

Panels, Workshops and Special Sessions

The conference program includes sessions addressing emerging issues in engineering, manufacturing, technology, and professional development. Participants are encouraged to consult the conference website for the latest details on keynote presentations, panels, workshops, and special sessions.

- Industry engagement and professional development
- Innovation and entrepreneurship
- Engineering education and workforce readiness
- Emerging technologies and operational excellence

The program also features educational and professional activities designed to encourage knowledge exchange, collaboration, and practical learning.

- Student and professional workshops
- Global engineering education sessions
- Research presentations and technical discussions
- Student competitions and networking opportunities

Technical Sessions and Competitions

Participants will have opportunities to present and discuss research across IEOM areas, including industrial and manufacturing engineering, supply chain and logistics, simulation and optimization, automation and robotics, human factors and ergonomics, healthcare systems, engineering education, quality and reliability, maintenance, sustainability, energy, engineering management, entrepreneurship, and artificial intelligence in industry.

The conference also offers opportunities for students and researchers to showcase their work through research and paper competitions, simulation, robotics, ergonomics, senior design, STEM activities, and poster presentations.

Industry, Networking and Collaboration

A major objective of the IEOM India Conference is to strengthen connections among universities, industry, government, professional organizations, and students. Technical sessions, panels, workshops, competitions, and networking activities will support knowledge exchange, professional development, and future collaboration.

We are pleased to bring the IEOM India Conference to Bengaluru and BESTIU, creating a platform for participants to explore how local and grassroots innovation can contribute to global operational excellence. The conference also provides opportunities to connect with the wider IEOM community and its international network of academic and industry professionals.

We extend our sincere appreciation to BESTIU, the conference leadership, keynote speakers, panelists, workshop leaders, sponsors, partners, authors, reviewers, committee members, student volunteers, and all participants for their contributions to the conference.

We are confident that the 6th IEOM India International Conference will provide an intellectually enriching, professionally valuable, and collaborative experience for all participants.

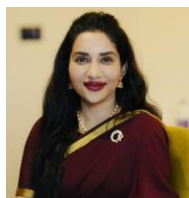
We wish you a successful conference and an enjoyable stay in India.

Welcome to the 6th IEOM India International Conference!

The Conference Leadership



Shri Bharat Lal Meena
IAS (R)
Chairman, BESTIT
Patron



Dr. Rupa Vasudevan
Chancellor, BESTIU
Patron



Dr. Nagajyothi Koripella
Vice Chancellor, BESTIU
Conference Chair



Dr. Immanuel Anupalli
Registrar, BESTIU
Convener



Nitin Somwanshi
Director, International Affairs
BESTIU



Dr. Ahad Ali
Lawrence Tech University, USA
CEO, IEOM Society
Conference General Chair



Dr. Manzoor Hussain
Former Registrar
JNTUH Hyderabad
IEOM Global Council Member
Conference Program Chair



Dr. M. Affan Badar, FIEOM
Indiana State University, USA
Conference Technical Chair



Professor Don Reimer
Chief Operating Officer
IEOM Society
Conference Program Chair



Dr. S. M. Qutubuddin
PDA College of Engineering
Kalaburagi, India
Conference Program Chair



Dr. Ramgopal Mopuri
Dean Academics, BESTIU
Convener



Dr. Vandana
Dean, College of Agricultural
Science and Applied Research
Co-Convenor



Ganesh Kumar Rai
Dean, School of Arts and
Management Studies
Co-Convenor



Capt. Dr. Bhaskar Bhandarkar
Institution of Engineers (India)
Conference Industry Chair



Dr. Muni Babu Mummela
Dean, School of Engineering
and Applied Technology
Co-Convenor



Dr. Velagapudi Vasu
Professor, Department of
Mechanical Engineering
National Institute of Technology
(NIT) Warangal, India

Keynote Speakers

Day 1 – November 5, 2026

9:00 – 10:00, Conference Opening, Welcome Addresses and Opening Keynote



Dr. Rupa Vasudevan

Chancellor

**Bharatiya Engineering Science and Technology Innovation University (BEST IU)
Anantapur, Andhra Pradesh**

Dr. Rupa Vasudevan is an Educationist, Sociopreneur, Founder and Co-Chairperson of BEST Group (Gatti Valley Educational Institutions). She is the Chancellor of Bharatiya Engineering Science and Technology Innovation University (BEST IU), a State Private University established in Anantapur, Andhra Pradesh. Co-Founder and Director of Evergreen Naturals – EN, a company that focuses on cheaper availability of high-quality agricultural inputs to small and marginal farmers, monitoring growth and farming practices and helping in establishing forward and backward linkages in supply chain management. She is Appointed as one of the ten academicians in the General and Executive Council of Karnataka State Higher Education Council- KSHEC, apex body on education in the State. Regional Co-Chair for ASSOCHAM – Telangana, Andhra Pradesh and Karnataka State. Founder and Global President of World Forum for Education, an independent non-profit organization working globally to advance

sustainable development, humanitarian response and facilitating public good through Knowledge sharing and Education. Trustee of Apna Desh Foundation, a Foundation that spearheads initiatives, finding meaningful ways to make a difference to our farmers while documenting best traditional practices from rural areas of the states of Karnataka, Kerala and Tamil Nadu and Andhra Pradesh. Honorary Trustee of Disha Bharat, a non-profit social organisation that works in the field of value education. Member, Governing Council of Indic Academy (INDICA) – a non-traditional University for traditional knowledge systems. And Member, Governing Council of India Foundation, New Delhi.



Dr. Ekta Kapoor

**Head, National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS)
Department of Science and Technology (DST), Government of India (GOI)**



Dr. Ahad Ali

**Associate Professor & Director of Doctor of Engineering In Advanced Manufacturing
Director of Industrial Engineering Programs (BSIE & MSIE)**

**A. Leon Linton Department of Mechanical, Robotics, and Industrial Engineering
Lawrence Technological University (LTU), Southfield, Michigan, USA**

IEOM Global, Student Chapters and Society Activities for the Development of India

Dr. Ahad Ali is an associate professor, director of doctor of engineering in advanced manufacturing and director of industrial engineering programs (BSIE & MSIE) at A. Leon Linton Department of Mechanical, Robotics, and Industrial Engineering of the Lawrence Technological University (LTU), Southfield, Michigan, USA. He established the Siemens Electro-Matic Industrial Engineering Lab at LTU. Dr. Ali was the primary author of the ABET self-study report of the BSIE Program at LTU in 2022. He earned a BS in Mechanical Engineering from Khulna University of Engineering and Technology (KUET), Bangladesh, a Master's in Systems and Engineering Management from Nanyang Technological University, Singapore, and a Ph.D. in Industrial Engineering from the University of Wisconsin-Milwaukee, USA. Dr. Ali was an Assistant Professor in Industrial Engineering at the University of Puerto Rico - Mayaguez, a Visiting Assistant Professor in Mechanical, Industrial, and Manufacturing Engineering at the University of Toledo, and a Lecturer in Mechanical Engineering at the Bangladesh Institute of Technology, Khulna. He received an Outstanding Professor Award from the Industrial Engineering Department, University of Puerto Rico - Mayaguez. Dr. Ali has been recognized with a Fulbright Award. He has published 75 journal papers and 150 conference papers. Dr Ali conducted research projects with Chrysler, Ford, DTE Energy, New Center Stamping, Whelan Co., Delphi Automotive System, GE Medical Systems, International Truck and Engine Corporation (ITEC), and Rockwell Automation. His research interests include manufacturing systems, quality, lean, six-sigma, simulation, artificial intelligence, supply chain, and optimization. He supervised 11 doctoral students in Doctor of Engineering in Manufacturing Systems (DEMS). He is a founder executive director of IEOM Society International. Dr. Ali is a Co-Chair of the International Conference on Industrial Engineering and Operations Management. Dr. Ali organized IEOM conferences around the globe on six continents including Ankara, Augsburg, Bali, Bangkok, Bogota, Bristol, Cape Town, Costa Rica, Delhi, Detroit, Dhaka, Dubai, Hyderabad, Istanbul, Johannesburg, Kuala Lumpur, Lima, Manila, Melbourne, Milwaukee, Monterrey, Muscat, Orlando, Panama, Paris, Pilsen, Rabat, Riyadh, Sao Paulo, Sydney, Tokyo, Toronto, Vellore, Washington, DC and Windsor. He is an associate editor of the IJIEOM, Q1-Scopus indexed. Dr. Ali is a member of IEOM, INFORMS, SME, and IEEE.

10:00 – 10:30, November 5 (Thursday) – Keynote



Saishyam Narayanan
CEO
IIT Palakkad Technology IHub Foundation (IPTIF)

Saishyam Narayanan is a multi-disciplinary Science & Technology professional with over 15 years of experience across premier R&D institutions, government, and non-government organizations. His expertise spans Biotechnology, MedTech, Life Sciences, Renewable Energy, Cyber-Physical Systems, Entrepreneurship, R&D, and Science & Innovation Management. Over the past nine years, he has made significant contributions to strengthening India's Biotech, MedTech, and Deep-Tech innovation ecosystem. His areas of expertise include Healthcare, Agriculture, Biotechnology, Energy, Safety, Automotive, and Sustainability, along with technology program design, business operations, program management, grant management, and organizational strategy.

Currently, as the CEO of IIT Palakkad Technology IHub Foundation (IPTIF), he leads initiatives focused on technology innovation, entrepreneurship, and skill development, particularly in Intelligent Collaborative Systems (ICS). His work focuses on developing indigenous technology and hardware products, supporting faculty-led innovations, entrepreneurs, and startups, while also addressing industry skill gaps through upskilling and expert collaborations. He also leads efforts to establish facilities for prototyping, testing, skilling, and certification, with the objective of strengthening the technology ecosystem and enabling the development of high-quality technologies and startups in India.

10:30 – 11:00, November 5 (Thursday) – Keynote



Dr. BVK Sastry
Founder Chancellor
Yoga-Samskrutham University, USA

Dr. BVK Sastry is the Founder Chancellor of Yoga-Samskrutham University, USA, with a professional focus on yoga, wellness, education, and Indian cultural traditions. He is associated with promoting the integration of yoga, traditional knowledge, holistic wellness, and modern education. Through Yoga-Samskrutham University, his work contributes to creating awareness and providing educational opportunities related to yoga, health, spirituality, and Indian knowledge systems. His leadership reflects a commitment to wellness education, preservation of cultural knowledge, and the global promotion of yoga and holistic living.

11:00 – 11:30:

Dr. Arindam Das
Director – Srishti, Manipal Institute of Art, Design & Technology

11:30 – 12:00, November 5 (Thursday) – Keynote



Sudhakar Rao
Director- Branding
ICFAI Group
Hyderabad, Telangana, India

Sudhakar Rao has been serving as the Director of Branding at the ICFAI Group for over 14 years, where he leads strategic branding and marketing initiatives across 11 universities, 9 business schools, and several other educational institutions. His work focuses on brand positioning, marketing strategy, corporate relations, and strengthening market visibility across sectors including education, clothing, and food. He is passionate about innovation, design thinking, and brand development, working closely with teams to build and establish brands with strong market potential. As the official spokesperson for the ICFAI Group, he represents the organization at various

national and international platforms, promoting innovation, entrepreneurship, and inclusivity.

12:00 – 12:30, November 5 (Thursday) – Keynote



Lt Gen Arun Kumar Sahni
Former General Officer Commanding In Chief, Indian Army
Present President, Information Security Council Of India

Lt Gen Arun Kumar Sahni is a decorated, scholar – soldier, with 40 years of commissioned service in the Indian Army. In his last assignment, tenanted the second highest rank of the army, he was the General Officer Commanding-in-Chief of one of the six operational commands of the army. He was the General Officer Commanding-in-Chief of one of the six operational commands of the army.

His experience encompasses command and staff assignments, in India's most inhospitable and conflict affected areas to battle external and internal security challenges. During his four decades of service, he has assumed many roles and duties. In addition to his Command assignments of leading military formations, his important staff appointments include 'Chief Operations Officer' of an Infantry Brigade in Sri Lanka as part of Indian Peace Keeping Force (IPKF), Colonel General Staff responsible for operations of a Counter Insurgency Force in Jammu & Kashmir, 'Principal Staff officer' at Army Headquarters, Delhi, and 'Director General Information Technology'. He has been an Instructor at various Military Institutions within the country to impart basic & specialized training, not only to own officers, but also those from friendly foreign countries.

He has a record of being a high achiever throughout his career, starting with the 'Sword of Honour' and President's Gold medal on commissioning to the Army, in 1976. Among several awards for his exceptional leadership skills and courage, he has been decorated with the second highest medal

for peace time gallantry Uttam Yudh Seva Medal, by the President of India. On Republic Day in 2016, he was conferred the coveted Param Vishist Seva Medal, by the President of India, for sustained meritorious service.

Lt. Gen. Sahni has represented India as a military delegate, at UN Headquarters at Geneva for the international conference debating banning of land mines. He has trained with the British Army for a year and represented the country as a military diplomat for three years at Embassy of India, Moscow, Russia. Presently, he is mentoring start-ups/ new initiatives that are in the domain of Information Security and HR Management. An active speaker at seminars and various think tanks within the country, with specific reference to National Security Issues – External and Internal, International and Regional dynamics impacting India, Issues related to Cyber, Force Multipliers and surveillance, Nuances of Counter Terrorist Operations in the North East and J&K, Dynamics of Integration of North Eastern States, Strategic and Visionary Leadership skills/ nuances and Impact of Tactical Nuclear Weapons on South Asian Deterrence Dynamics.

12:30 – 13:00, November 5 (Thursday) – Keynote

Dr. AB Patil

President IAT, Bengaluru

November 5 (Thursday) – Keynote



Dr. Kamel Ghazouani
Professor of Economics
Institut des Hautes Études Commerciales de Carthage (IHEC)
University of Carthage
Tunis, Tunisia

Dr. Kamel Ghazouani is a Tunisian economist and Professor of Economics at the Institut des Hautes Études Commerciales de Carthage (IHEC), University of Carthage. He has been associated with IHEC since 2012, where he teaches macroeconomic policy and public policy evaluation and previously served as Director of the Department of Economics from 2014 to 2020.

He holds a PhD in Economic Sciences from the University of Tunis El Manar, earned in 2002. Before entering academia, he worked in Tunisia's public administration, including as Secretary General of the Carthage District from 1993 to 1997.

His academic and research interests include macroeconomics, economic policy, foreign investment, international economic integration, entrepreneurship, and public policy. He has contributed to several books and research publications and has participated in international academic and policy forums.

Day 2 – November 6, 2026

9:30 – 10:00, November 6 (Friday) – Keynote

Dr. Narendranath Dutta
CEO, I Hub, IIT Guwahati

10:00 – 10:30, November 6 (Friday) – Keynote



Dr. Sharon Ravitz-Wyngaard
Academic Director
Arava International Center for Agricultural Training (AICAT)
Israel

Dr. Sharon Ravitz-Wyngaard is an agriculture, sustainability, and food-security professional associated with the Arava International Center for Agricultural Training (AICAT), Israel, where she has worked since 2006 and currently serves as Academic Director. She holds a BA in Behavioural Science, an MA in Administration and Public Policy, and a PhD in Sustainability and Food Security from Ben-Gurion University of the Negev. Her doctoral research focused on ecology and food security. Her expertise focuses on sustainable agriculture, food security, desert agriculture, and environmental sustainability. She has also conducted research on the environmental impacts of producing tomatoes, bell peppers, and dates in Israel's arid Arava region, examining areas such as water, land, materials, energy, waste, and carbon emissions. At AICAT, she is also involved in teaching and training international students in agricultural and food-security practices, contributing to the centre's mission of sharing Israel's agricultural knowledge and technologies with participants from around the world.

10:30 – 11:00, November 6 (Friday) – Keynote

Dr. Gopal Lal
Director NAARM

11:00 – 11:30, November 6 (Friday) – Keynote



Suresh Done
Chief AI Officer
AI Authority
Michigan, USA

Suresh Done is an Executive Global Information Technology Leader with over 20 years of experience in enterprise-wide digital transformation, AI strategy, technology architecture, cybersecurity, and IT financial management. He has worked with leading global organizations including General Motors, DaimlerChrysler, Ford, Dow Chemicals, Merck, ERCOT, HP, Shell India, and the General Civil Aviation Authority. One of his key achievements was developing and implementing the Proactive Infrastructure (PAI) model at DaimlerChrysler, which helped standardize infrastructure across organizations, reduce operational costs by 30–50%, and eliminate redundancies.

His expertise also includes organizational change management, enterprise architecture, AI enablement, systems integration, talent development, and operational efficiency. He has led technology projects using J2EE and web-based platforms and conducted research on AI-driven structural optimization using Genetic Algorithms at the Structural Engineering Research Centre (SERC). He has also been recognized by CIOReview as “Company of the Month” for his contributions to enterprise architecture, AI, and strategic IT leadership.

11:30 – 12:00, November 6 (Friday) – Keynote

Dr. Akhilesh Gupta
Former Secretary, Science and Engineering Research Board (SERB) DST

12:00 – 12:30, November 6 (Friday) – Keynote



Dr. T. Sasilatha
Principal-General Programs
Amet University Chennai

Dr. T. Sasilatha is a highly experienced individual in the field of teaching, research, and administration with a remarkable career spanning 30 years. CMI Level 5 Certificate in Management and Leadership from the UK is a testament to her exceptional leadership qualities. Dr. T. Sasilatha has authored over 200 articles in refereed international journals and conferences and has been the Principal Investigator for several research projects worth around 350 Lakhs sponsored by esteemed Govt organisations such as the MOES, DST, AICTE and TNSCST. Her contributions to research have resulted in the publication of ten patents, three of which have been awarded.

12:30 – 13:00, November 6 (Friday) – Keynote



Dr. Tharamani C. Nagaiah
Professor and Head of the Department of Chemistry
IIT Ropar, India

Dr. Tharamani C. Nagaiah is a Professor and Head of the Department of Chemistry at IIT Ropar, specializing in electrochemistry, nanostructured materials, electrocatalysis, fuel cells, batteries, and biosensors. She completed her Ph.D. from Bangalore University and pursued postdoctoral research at the University of Saskatchewan, Canada, and Ruhr University Bochum, Germany, including an Alexander von Humboldt Fellowship. Her research focuses on developing advanced materials for energy conversion and storage, particularly catalysts for fuel cells and batteries, along with electrochemical biosensors for environmental and biological applications. She has contributed extensively to scientific research through numerous publications and patents. Dr. Nagaiah has received several prestigious recognitions, including the CRSI Bronze Medal, ECSI-Metrohm National Award, and A.V. Rama Rao Prize for Women Scientists. She is also a Fellow of the Royal Society of Chemistry and the Indian Chemical

Society and serves on the editorial boards of leading scientific journals.

Day 3 – November 7, 2026

11:00 am – 12:30 pm, November 7, 2026 – Keynotes at BESTIU Campus

Online Keynote



Anand Handa
Chief Strategy Officer (CSO)
C3iHub, IIT Kanpur

Anand Handa is a cybersecurity professional and Chief Strategy Officer (CSO) at C3iHub, IIT Kanpur, with expertise in cyber threat intelligence, malware analysis, memory forensics, and intrusion detection systems (IDS). He completed his post-doctoral fellowship at C3i, where his work focused on advanced cybersecurity research and the development of security analysis pipelines and DevSecOps-related solutions. He is a Certified Threat Intelligence Analyst and CompTIA Security+ certified professional. He holds a Ph.D. from Dr. A.P.J. Abdul Kalam Technical University, Lucknow, where his research focused on developing multimodal recognition models using biometric features. At C3iHub, he has led multiple cybersecurity projects in collaboration with public and private sector

organizations. In addition to his research and strategic responsibilities, he serves as a cybersecurity instructor through programs conducted by C3i IIT Kanpur in collaboration with organizations including NSE TalentSprint, Simplilearn, and IIT Guwahati–Jaro Education. He has published over 25 research papers, edited two books, and co-authored five book chapters in cybersecurity.

Submissions Received from Countries and Territories

- | | | | |
|---------------|--------------|------------------|--------------|
| 1. Australia | 8. Indonesia | 15. Nepal | 22. Sudan |
| 2. Bangladesh | 9. Iran | 16. Niger | 23. Thailand |
| 3. Benin | 10. Israel | 17. Nigeria | 24. Tunisia |
| 4. Brazil | 11. Kuwait | 18. Peru | 25. Türkiye |
| 5. Canada | 12. Malaysia | 19. Philippines | 26. UK |
| 6. China | 13. Mali | 20. Saudi Arabia | 27. USA |
| 7. Colombia | 14. Mexico | 21. South Africa | |

University Partners

1. BESTIU – Bharatiya Engineering Science Technology Innovation University, Gownivaripail, Gorantla, AP, India
2. PDA College of Engineering, Kalaburagi, Karnataka, India
3. Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India
4. Bangladesh Institute of Management (BIM), Bangladesh
5. Binghamton University, The State University of New York (SUNY), USA
6. Florida Polytechnic University, USA
7. Eastern Michigan University, Ypsilanti, Michigan, USA
8. Lawrence Technological University, Southfield, Michigan, USA
9. University of the District of Columbia, Washington, DC, USA
10. Wayne State University, Detroit, Michigan, USA
11. BIM – Bangladesh Institute of Management
12. Prince Sultan University, Riyadh, Saudi Arabia
13. Université De Lorraine, Nancy cedex – France
14. Universiti Tun Hussein Onn Malaysia (UTHM), Johor, Malaysia
15. University of Derby, UK
16. University of Monterrey (UEM), Mexico
17. University of New Brunswick at Fredericton, Canada

Corporate Partners

1. Airbus
2. Amatrol Inc.
3. aThingz
4. Cintas
5. Daikin Applied
6. Eaton
7. Ford Motor Company
8. FUTEK
9. Hexaly
10. SIEMENS
11. Tooling Tech Group



IEOM Conferences



Annual International

2010 – Dhaka
2011 – Kuala Lumpur
2012 – Istanbul
2014 – Bali
2015 – Dubai
2016 – Kuala Lumpur
2017 – Rabat
2018 – Bandung
2019 – Bangkok
2020 – Dubai
2021 – Singapore
2022 – Istanbul
2023 – Manila
2024 – Dubai
2025 – Singapore
2026 – Ankara

North American

2015 – Orlando
2016 – Detroit
2018 – Washington, DC
2019 – Toronto
2020 – Detroit
2021 – Monterrey
2022 – Orlando
2023 – Houston
2024 – Washington DC
2025 – Orlando
2026 – Milwaukee
2027 – Boston

South American

2017 – Bogota
2019 – Costa Rica
2021 – Sao Paulo, Brazil
2022 – Paraguay
2023 – Peru
2024 – Bogota
2025 – Sorocaba, Brazil
2026 – Panama

European

2017 – UK
2018 – Paris
2019 – Czech Republic
2021 – Rome, Italy
2022 – Rome, Italy
2023 – Lisbon
2024 – Munich
2025 – Paris
2026 – Barcelona

African

2019 – Pretoria
2020 – Harare
2022 – Nigeria
2023 – Zambia
2024 – Pretoria
2025 – Rabat
2026 – Cape Town
2027 – Ghana

Asia Pacific

2021 – Harbin, China
2021 – Surakarta, Indonesia
2022 – Jahor Baru, Malaysia
2023 – Vietnam
2024 – Tokyo
2025 – Bali
2026 – Bangkok
2027 – Bogor, Indonesia

Australian

2022 – Sydney
2023 – Melbourne
2024 – Sydney
2025 – Melbourne
2026 – Wollongong

GCC

2019 – Riyadh
2024 – Oman
2025 – Tabuk
2026 – Qatar

India

2021 – Bangalore
2022 – Warangal
2023 – New Delhi
2024 – Hyderabad
2025 – Vellore
2026 – Bangalore

World Congress

2023 – Detroit (EV)
2024 – Detroit (Adv Mfg)
2025 – Windsor, Canada
2026 – Irvine, California

Panels

November 5, 2:00 – 3:15 pm

Empowered Women and Transformative Leadership

Panel Chair



Dr. Nagajyothi Koripella
Vice Chancellor
Bharatiya Engineering Science & Technology Innovation University (BESTIU)
Gownivaripalli, Gorantla, Andhra Pradesh, India

Dr K Nagajyothi, AICTE Margadarshak, NAAC peer team chairman and Vice-chancellor of Bharatiya Engineering science and technology innovation university has 24 years rich academic experience in various reputed academic universities and colleges across South India. Dr Jyothi has published 31 research papers in journals and presented 46 papers in conferences. She has three patents to her credit in which two are granted, one by Indian Patents and other by Australian patents. She has received best innovator and best researcher award for the Indian patent. She is the recipient of many awards for academics and community services. To name a few recent ones include Exemplary women in education award by Asia Today in 2020, Best youth worker award by Indian Srilankan embassy in 2019, the super woman award by Star network in 2022 apart from many best teacher awards. recently she has been honoured as the Best Education Leader in Hyderabad by forever star group. Her long academic service has facilitated her to get recognised by AICTE as margadarshak in 2018 to guide higher educational institutions to improve quality of education and acquire accreditation. Dr Jyothi has been recognised as an expert committee member by Ministry of education for NEAT and SLA. With rich expertise in accreditation process of NAAC, NBA, Dr Jyothi has been guiding many colleges presently towards accreditation. As a NAAC peer team chairman, Dr Nagajyothi Visited many universities and colleges across the country and guided many colleges for NAAC and NBA accreditation.

Panel Speakers



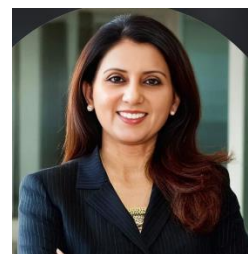
Dr. Tharamani C. Nagaiah
Professor – Indian Institute of
Technology, Ropar



Ms. Bineesha Payattati
Executive Director – International
Institute of Waste Management
(IIWM)



Dr. Shobha Shukla
Professor – Indian Institute of
Technology, Bombay



Ms. Smita Mishra
Founder, Fandoro Technologies,
Gurugram
Member, Indian National Science
Academy (INSA)



Dr. Deeksha Gupta
Director, Global Strategy for
Society Programs
American Chemical Society
(ACS)



Dr. Ekta Kapoor
Head, National Mission on
Interdisciplinary Cyber-Physical
Systems (NM-ICPS)
Department of Science and
Technology (DST), Government
of India (GOI)



Dr. Veda Krishnan
Senior Scientist
Indian Council of Agricultural
Research (ICAR)
Indian Agricultural Research
Institute (IARI)



Dr. Janhavi Raut
R&D Director and Principal
Research Scientist at Hindustan
Unilever

November 5, 3:30 – 4:45 pm

Panel: AI in Engineering and Management Education

Organizer and Chair



Dr. M. Affan Badar, CPEM, CEng, FIEOM, FIE
Professor and Director of Ph.D. in Technology Management Program
Bailey College of Engineering & Technology
Indiana State University, USA

Presentation Title: "AI in Engineering Education"

Dr. M. Affan Badar is a professor, former department chair, and current director of the consortium-based PhD in Technology Management program in Bailey College of Engineering & Technology at Indiana State University (ISU), USA. While on leave from 2016 to 2018, he was Professor and Chair of the Industrial Engineering & Engineering Management Department at University of Sharjah, UAE. Prof. Badar earned his PhD in Industrial Engineering (IE) from University of Oklahoma (USA), MS in Mechanical Engineering (ME) from King Fahd University of Petroleum and Minerals (Saudi Arabia), and MSc (Engineering) in IE and BSc (Engineering – Hons) in ME from Aligarh Muslim

University (India). Prof. Badar has published two edited books, seven book chapters, and over 100 articles in refereed journals and proceedings in the areas of lean six sigma, design, reliability, quality, engineering economy, healthcare, and supply chain. He received the Institution of Engineers (India) Fellow membership in 2026, ISU Faculty Distinguished Service Award in 2025, ISU Theodore Dreiser Distinguished Research/Creativity Award in 2023, IEOM Fellow Award in 2022, and Albert Nelson Marquis Lifetime Achievement Award in 2017. Prof. Badar has been serving as an associate editor for the Engineering Management Journal, editorial board member for Int. J. of Quality & Reliability Management and NED University J. of Research: Applied Sciences, and reviewer for various journals and conferences. He was Editor-in-Chief for Int. J. of Forensic Engr & Mgt and Editor for Advances in Mechanical Engineering.

Panel Speaker I:



Dr. Prakash Divakaran
Vice Chancellor and Professor
Himalayan University
Itanagar, AP, India

Presentation Title: "AI-Enabled Engineering Education: Reimagining Teaching, Learning, Research and Employability for Industry 5.0"

Dr. Prakash Divakaran is an Indian Entrepreneur, Professor, Supply Chain Expert, Keynote Speaker, and Vice Chancellor at Himalayan University. He is the Director and CEO of Infinite Global Research Conference Pvt. Ltd., Pune, India. A Graduate of Business Administration, Ph.D. from Madurai Kamaraj University. Dr. Divakaran is Credited with several Books and Articles on Supply Chain, Economics, and Research Methodology. He received the Title "Best International Author of Research and Management Books", Dr.A.P.J Abdul kalam Award "Emerging Author of the Year", International Glory Award, Indian Education Award, etc.

Panel Speaker II:



Dr. Ashwani Kumar
Professor & Head Mechanical Engineering
Technical Education Department, Government of Uttar Pradesh, India

Presentation Title: "Artificial Intelligence Tools for Enhancing Teaching, Learning and Academic Productivity in Higher Education"

Prof. (Dr.) Ashwani Kumar is a distinguished academic and researcher with over 15 years of experience in Mechanical Engineering. He holds a Ph.D. and is currently a Professor and Head of Department in Technical Education Department Uttar Pradesh Kanpur (Government of Uttar Pradesh), India. His career includes tenure as an Assistant Professor at Graphic Era University, Dehradun. Dr. Kumar's extensive administrative experience includes roles such as Nodal Officer for the PMKVY-TI Scheme and various positions within examination cells and government bodies. A prolific publisher, Dr. Kumar is a Series Editor for nine book series with major international publishers like Taylor & Francis (CRC Press), Scrivener-Wiley, Springer Nature, and Apple Academic Press. His editorial and review work extends to over 28 international journals. Dr. Kumar has authored over 280 research

articles & book chapters and co-authored or edited 45+ books on topics including Mechanical Engineering, Materials Science, and Renewable Energy. His research focuses on Artificial Intelligence in Mechanical Engineering, Smart Materials, and Renewable Energy. He holds five patents and has received a Research Excellence award. He has also guided 15 students and is actively involved in international conferences. In September 2025, a survey by Stanford University USA and Elsevier recognized him as a "Top 2% scientist of the world" in the field of Mechanical, Materials Engineering and Transports.

Panel Speaker III



Dr. K.G. Hemalatha, B.Pharm., MBA., MPhil., Ph.D.
Professor & HOD
Department of Management Studies, Dayananda Sagar College of Engineering
Bangalore, India

Presentation Title: AI in Supply Chain Management

She has 27 years of experience with a blend of academia and industry, including 12 years in an administrative position as the Head of the Department in the Post Graduate Management Department at Dayananda Sagar College of Engineering. She is a certified Lean Expert from IIMB. She reformed the management curriculum, established strong industry connectivity for the department, and contributed significantly to institutional building. She was instrumental in introducing certification and skill development programs to bridge the employability gap for management graduates, significantly enhancing the placement status of the students. Her

research interest is Marketing, Retail and General Management. She is currently guiding 4 PhD scholars and has 28 national and 18 international journal publications to her credit. She has presented research papers in various forums conducted by IIMB, IIMK, and IIMA. Her areas of expertise include NAAC & NBA accreditation, curriculum development, branding, research, student development, and industry connections.

Panel Speaker IV



Dr. M. Manzoor Hussain
Registrar (Retd.) and Professor of Mechanical Engineering
Jawaharlal Nehru Technological University Hyderabad (JNTUH)
Hyderabad, Telangana, India

Dr. M. Manzoor Hussain was a registrar of Jawaharlal Nehru Technological University, Hyderabad and Professor in Mechanical Engineering Department. Earlier he has served as Director of Admissions for three years. He also served as the founder principal and established one of constituent colleges of JNTUH at Sultanpur, Sangareddy District. He was the chairman of Board of Studies of JNTU in Mechatronics Engineering and Automobile Engineering. He has guided over 50 post graduate thesis and supervised 21 PhD scholars and currently 7 research scholars are working under his supervision. His areas of research include composite materials, manufacturing, additive manufacturing, welding and industrial engineering. He has over 26 years of experience in teaching and

administration in various capacities as officer-in-charge, special officer and member of various expert committees of University and AICTE. He has organised various workshops, short term programs and conferences in the university. He also worked in Ethiopia for two years as Head of Manufacturing in Defence Engineering College. He has published over 65 papers in peer reviewed journals and National and International conferences, and has visited countries like Kuwait, Thailand, Germany and Australia for conferences. He was awarded the best teacher award by Telangana State Government in the year 2016. He was the co-convenor for EAMCET for three years and Convener for one year.

November 5, 5:00 – 6:00 pm

Panel – IEOM Student Chapters

Panel Chair



Dr. Qutubuddin S.M.
Professor, Industrial and Production Engineering Department
P.D.A. College of Engineering
Gulbarga, Karnataka, India

Dr. Qutubuddin S.M. is presently working as a Professor, Industrial and Production Engineering Department, P.D.A. College of Engineering, Gulbarga. He has more than 30 years' experience in teaching and research and has published more than 35 papers in International and National journals and Conferences. He has introduced the course Human Factors and Ergonomics in the curriculum in undergraduate engineering and has developed laboratories such as Industrial Engineering Laboratory and Ergonomics Laboratory. He is a life member of professional societies such as ISTE, IIPE, IAENG, and ISE. He is a regular member of various committees of IEOM Society conferences and continuously involved in promoting the activities of IEOM Society. He has established a IEOM Society student Chapter at PDA College of Engineering. Research interest include Industrial Ergonomics;

Human Factors; Occupational Health and Safety; Productivity Improvement Studies; Production/Operations Management; Environmental Ergonomics. Currently he is Director, IEOM Operations in India.

Panel Speaker I



Dr. Ruhina Quazi
Head of Electronics & Telecommunication Engg.
Anjuman College of Engineering and Technology
Nagpur, Maharashtra, India
Faculty Advisor IEOM Student Chapter

Dr. Ruhina Quazi is currently serving as an Assistant Professor & Head of the Department for Electronics and Telecommunication Engineering at Anjuman College of Engineering and Technology, Nagpur, affiliated with Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. She has approximately 19 years of teaching, academic, and research experience in the field of Electronics and Telecommunication Engineering. She obtained her Ph.D. in Electronics and Communication Engineering from Indore University. Dr. Quazi has been actively involved in research and academic activities and has contributed approximately 30 research papers in reputed national and international journals and conferences, including around 9 publications in Scopus, Springer and SCI-indexed journals. She has two published patents and one grant patent to her credit. She is a Life Member of various professional bodies and has professional memberships with reputed organizations such as ISTE, IETE, IEEE, and

IEOM. She has also been actively contributing to student development through professional societies and technical forums. She is serving as a Faculty Advisor to the IEOM Students Chapter at Anjuman College of Engineering and Technology, where she is involved in promoting technical activities, professional development, student participation, workshops, seminars, and other academic and co-curricular initiatives.

Panel Speaker 2



Praveen Pagidipalli
Associate Professor
Department of Mechanical Engineering
Hyderabad Institute of Technology and Management (HITAM), Hyderabad, India
Faculty Advisor, IEOM Student Chapter – HITAM

Mr. Praveen Pagidipalli is an Associate Professor in the Department of Mechanical Engineering at Hyderabad Institute of Technology and Management (HITAM), Hyderabad, with 13 years of teaching experience. His areas of expertise include Advanced Manufacturing, Production Technology, Manufacturing Automation, CAD, Metrology, and Project-Based Learning. He has published 15 research papers, presented 10 papers at international conferences, and holds three granted patents. He has guided numerous student projects and has received the Best

Project Mentor Award for three consecutive academic years in recognition of his contribution to student innovation and project development. He is trained and certified in Project-Based Learning (PBL) through Aalborg University, Denmark, and is also IUCEE–IGIP trained and certified. His academic interests focus on innovative teaching methodologies, experiential learning, advanced manufacturing, and industry-oriented education. As the Faculty Advisor of the IEOM Student Chapter at HITAM, he mentors students in research, technical activities, industrial exposure, professional development, and leadership. He actively promotes student participation in IEOM activities and works towards strengthening industry–academia collaboration, research culture, and global professional engagement. His experience in academics, manufacturing, student mentoring, and IEOM student chapter development brings a practical and student-centric perspective to international panel discussions.

Panel Speaker III



Dr. Chandrasen Mazumdar
Associate Professor & Head of the Department (I/c), Management Studies
Department of Management Studies, Faculty of Management and Commerce
Ramaiah University of Applied Sciences, Bangalore, Karnataka, India

Dr. Chandra Sen Mazumdar did her B.Tech in Chemical Engg from the University of Calcutta following which she worked in the Chemical industry for 6 years. Later she did her Masters and Ph.D. from the Indian Institute of Science, Bangalore in the area of Operations Management from the Department of Management Studies. She is currently working as Associate Professor at the Ramaiah University of Applied Sciences. She has publications in international journals and conferences and is a reviewer for two Scopus indexed peer reviewed journals. Her research interests are in the areas of supply chain management, mathematical modelling for decision making, machine learning applications in business and data analytics.

November 6, 5:00 – 6:00 pm

Industry 4.0 Panel

Panel Chair



Capt. Dr. Bhaskar Bhandarkar
Chairman Marine Division IEI
Chairman Centre Coordination Committee, Institution of Engineers (India)

Capt. Dr. Bhaskar M Bhandarkar is current Chairman Marine Division IEI and Chairman Centre Coordination Committee, Institution of Engineers (India). He was a Former Chairman MRDB Institution of India and Vice president of the Institute of Marine Engineers India, is a multifaceted personality. Captain was the Engineering Officer on board INS Chakra, the first Nuclear Submarine operated by the Indian Navy. He participated in the IPKF operations in Sri Lanka. He is credited with the National Record of winning the "Prime Minister's Trophy" For three consecutive years. Commander has Graduate degrees in Science and Engineering; Master's degrees in Engineering and Management; and PhD from Birla Institute of Technology. He is a gold medalist from NCDC, GOI, MHA, Nagpur. He was the commissioning Officer-in-Charge of Kursura Submarine- Museum – The unique engineering marvel. The captain was commended by the Flag officer commanding in Chief Eastern Naval Command twice for his professional acumen, dedication, and achievements. Dr. Bhandarkar is actively associated with many Professional and Social institutions. He is a Board Member of the Asia Pacific Industrial Engineering and Management Society Japan and a Fellow of IEOM USA.

Panel Co-Chair: Dr. Ahad Ali, Associate Professor and Director, Doctor of Engineering in Advanced Manufacturing, LTU, USA

Panel Speakers



Professor CKN Gupta
Industrial Engineering and Management
R V College of Engineering
Bangalore, India



Dr. N. S. Narahari
Professor (FTC), Department of Industrial Engineering & Management
RV College of Engineering, Bengaluru, India

Dr. N. S. Narahari is a Professor (FTC) in the Department of Industrial Engineering & Management at RV College of Engineering (RVCE), Bengaluru, India, with more than four decades of experience in engineering education, academic leadership, research, institutional quality assurance, consultancy, and professional development. He has served in several key institutional leadership roles, including Head of the Department of Industrial Engineering & Management, Head of the Internal Quality Assurance Cell (IQAC), Dean and Director of Placement & Training, and Chief Superintendent of Examinations. Dr. Narahari holds a B.E. in Industrial Engineering from Bangalore University, a Master's degree in Reliability Engineering from the Indian Institute of Technology (IIT) Bombay, and a Doctorate in Engineering from Avinashilingam Deemed University, Coimbatore. His research interests include Industrial Engineering and Management, Quality Engineering, Reliability Engineering, Quality Management, Business Analytics, Data Mining, and Machine Learning.

He has authored more than 120 research publications in national and international conferences and refereed journals and has guided nearly 100 undergraduate and postgraduate projects. His contributions extend to curriculum development, academic governance, entrepreneurship development, industry–academia collaboration, training, and consultancy. He has served as a member of the Board of Studies of Visvesvaraya Technological University (VTU), Belagavi, and has successfully led entrepreneurship development initiatives under the National Science and Technology Entrepreneurship Development Board (NSTEDB) project. Dr. Narahari is a Fellow of the Indian Institution of Industrial Engineering (IIIE) and has received several honors for his contributions to engineering education, Industrial Engineering, quality, and student development, including the Best Teacher Award from the Cognizant–RVCE ISTE Chapter, the Performing Minds Award for placement activities, and the Excellence in Education Award from Rashtriteya Sikshana Samithi Trust (RSST).

His professional contributions reflect a longstanding commitment to advancing Industrial Engineering and Management education, promoting quality and reliability practices, developing future engineering professionals, and strengthening collaboration among academia, industry, and professional organizations. Dr. Narahari is associated with the Indian Society for Technical Education (ISTE), Indian Institution of Industrial Engineering (IIIE), Quality Circle Forum of India (QCFI), and Indian Society for Quality (ISQ).



Dr. Shridhar R
HOD Mechanical Engineering
RVCE Bengaluru

Dr. Sridhar R. is a Professor in the Department of Mechanical Engineering at RV College of Engineering (RVCE), Bengaluru, affiliated with Visvesvaraya Technological University, where he has been serving since 2004. He received his Ph.D. in Mechanical Engineering from Kuvempu University in 2013. His professional interests span advanced manufacturing, automotive mechatronics, intelligent automation, electric vehicle technologies, advanced materials, and industry–academia collaboration, with a growing focus on the principles and applications of Industry 5.0. He has been actively involved in the Mercedes-Benz ADAM programme since its inception at RVCE in 2018, contributing to academic delivery, hands-on technical training, curriculum development, laboratory infrastructure, and industry engagement. His work focuses on bridging academic learning with contemporary automotive industry practices using automation and preparing students and professionals for emerging technological developments in the mobility sector.

His engagement with Industry and smart manufacturing extends beyond academic instruction to industrial consultancy and technology implementation. Through his collaboration with Mercedes-Benz India, Volvo Cars, SRP Synthetic Rubber Products Pvt. Ltd., he is involved in initiatives related to RFID technology for process automation, supporting the integration of digital identification, real-time process visibility, and data-driven operational practices in industrial environments. These engagements reflect his commitment to translating emerging technologies into practical industrial solutions while addressing productivity, quality, traceability, and operational efficiency.

Dr. Sridhar is actively engaged in industry–academia collaboration and automotive skill development, promoting experiential learning and the integration of emerging technologies into engineering education. His professional interests include electric mobility, advanced diagnostics, automotive safety, digitalisation, and next-generation vehicle technologies. As part of his professional outreach, Dr. Sridhar also contributes expert insights on automotive technology, vehicle safety and Industry 5.0 to Deccan Herald. His expert commentary covers contemporary topics such as vehicle fire safety, preventive maintenance, risks associated with unauthorised vehicle modifications, EV battery thermal runaway, differences in fire behaviour between internal combustion engine and electric vehicles, and safety considerations in passenger transportation. Through these regular media contributions, he supports wider public awareness by presenting complex automotive and EV safety topics from a practical and technically informed perspective. With more than 30 research publications in peer-reviewed journals, research projects supported by agencies including UGC and AICTE, industrial consultancy experience, and contributions to technology innovation, he actively promotes the translation of research into practical applications. His innovation portfolio includes an Aerial Work Platform (AWP) invention for which intellectual property rights have been awarded, along with three additional inventions published in the public domain.

Speakers



Dr. Velagapudi Vasu
Professor in the Department of Mechanical Engineering
Coordinator, Centre of Excellence in AR & VR for Digital Manufacturing
National Institute of Technology (NIT) Warangal, India

Dr. V. Vasu is a Professor in the Department of Mechanical Engineering and Coordinator of the CoE AR/VR for Digital Manufacturing at the National Institute of Technology (NIT), Warangal. He served as Program Director, Smart manufacturing & AI, NAMTECH (2025-26) Associate Dean (Research & Consultancy) in 2022-24 and President, Student Activity Centre. He obtained his postgraduate degree in Manufacturing Engineering from BITS Pilani, Ph.D. from JNTU Hyderabad, and completed postdoctoral research at Politecnico di Milano, Italy, under the Erasmus Mundus Fellowship. His research interests include Mechatronics, Industrial Automation, Robotics, IIoT, and Smart Manufacturing. He has authored 75 research papers, supervised 10 Ph.D. scholars, mentored 30 M.Tech. students, and holds three granted patents, with two under process. He has executed sponsored research projects worth ₹1.75 crore. His awards include the Young Engineer Award (2010), Best Researcher in Engineering

Award (2020), and Outstanding Engineer Award (2021). He also oversees the Mechatronics and Smart Factory Laboratories at the CoE for Digital Manufacturing & Automation, a joint initiative of NIT Warangal and Siemens.



Depesh Banik
Project Management professional
Webb Fontaine, India

Depesh Banik is an experienced Project Management professional at Webb Fontaine, with over a decade of experience in managing and coordinating IT, ERP, Supply Chain, Logistics, System Integration, Consulting, Customs, Trade, and E-commerce projects. He works closely with project managers, teams, and stakeholders to ensure the smooth execution and successful delivery of technical and enterprise projects. He is certified as a Disciplined Agile Scrum Master (DASM) and PMI Agile Certified Professional (PMI-ACP), and also holds a Certified Professional in Logistics Management credential from ISCEA, USA. Academically, he holds two MBA degrees, specializing in System & Marketing Management from Bangalore University and Management Information Systems from the University of Dhaka. Alongside his professional responsibilities, he actively mentors, trains, and coaches

startups through the KIIT-Technology Business Incubator, supporting entrepreneurs in developing and executing effective business and marketing strategies. His work focuses on using technology, innovation, and project management to address complex business challenges and create value for organizations and stakeholders.

November 6, 2:00 – 3:15 pm

Student Evaluation using AI Application

Panel Chair



Dr. M. Manzoor Hussain
Registrar (Retd.) and Professor of Mechanical Engineering
Jawaharlal Nehru Technological University Hyderabad (JNTUH)
Hyderabad, Telangana, India

Dr. M. Manzoor Hussain was a registrar of Jawaharlal Nehru Technological University, Hyderabad and Professor in Mechanical Engineering Department. Earlier he has served as Director of Admissions for three years. He also served as the founder principal and established one of constituent colleges of JNTUH at Sultanpur, Sangareddy District. He was the chairman of Board of Studies of JNTU in Mechatronics Engineering and Automobile Engineering. He has guided over 50 post graduate thesis and supervised 21 PhD scholars and currently 7 research scholars are working under his supervision. His areas of research include composite materials, manufacturing, additive manufacturing, welding and industrial engineering. He has over 26 years of experience in teaching and

administration in various capacities as officer-in-charge, special officer and member of various expert committees of University and AICTE. He has organised various workshops, short term programs and conferences in the university. He also worked in Ethiopia for two years as Head of Manufacturing in Defence Engineering College. He has published over 65 papers in peer reviewed journals and National and International conferences, and has visited countries like Kuwait, Thailand, Germany and Australia for conferences. He was awarded the best teacher award by Telangana State Government in the year 2016. He was the co-convenor for EAMCET for three years and Convenor for one year.

November 7 at BESTIU Campus

AI-Ready Academia: Preparing Talent for Tomorrow's Industry – Panel

November 7, 2026 – Morning at BESTIU campus

Lean Six Sigma Workshop



Ahad Ali, Ph.D.
Associate Professor and Director, Doctor of Engineering in Advanced Manufacturing
Director of Industrial Engineering Program
A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering
Lawrence Technological University, Southfield, Michigan, MI 48075, USA
CEO, IEOM Society International

Dr. Ahad Ali is an associate professor, director of the Doctor of Engineering in Advanced Manufacturing, Director of the Industrial Engineering Program, and Director of Graduate Certificate in Lean Six Sigma at A. Leon Linton Department of Mechanical, Robotics, and Industrial Engineering of the Lawrence Technological University (LTU), Southfield, Michigan, USA. He established the Siemens Electro-Matic Industrial Engineering Lab at LTU. Dr. Ali was the primary author of the ABET self-study report of the BSIE Program at LTU in 2022. He earned a BS in Mechanical Engineering from Khulna University of Engineering and Technology (KUET), Bangladesh, a Master's

in Systems and Engineering Management from Nanyang Technological University, Singapore, and a Ph.D. in Industrial Engineering from the University of Wisconsin-Milwaukee, USA. Dr. Ali was an Assistant Professor in Industrial Engineering at the University of Puerto Rico – Mayaguez, a Visiting Assistant Professor in Mechanical, Industrial, and Manufacturing Engineering at the University of Toledo, and a Lecturer in Mechanical Engineering at the Bangladesh Institute of Technology, Khulna. He received an Outstanding Professor Award from the Industrial Engineering Department, University of Puerto Rico -Mayaguez. Dr. Ali has been recognized with a Fulbright Award. He has published 75 journal papers and 150 conference papers. Dr Ali conducted research projects with Chrysler, Ford, DTE Energy, New Center Stamping, Whelan Co., Delphi Automotive System, GE Medical Systems, International Truck and Engine Corporation (ITEC), and Rockwell Automation. His research interests include manufacturing systems, quality, lean, six-sigma, simulation, artificial intelligence, supply chain, and optimization. He supervised 11 doctoral students in the Doctor of Engineering in Manufacturing Systems (DEMS). He is the Founder and Chief Executive Officer (CEO) of IEOM Society International. Dr. Ali is a Co-Chair of the International Conference on Industrial Engineering and Operations Management. Dr. Ali organized IEOM conferences around the globe on six continents including Dhaka, Kuala Lumpur, Istanbul, Bali, Dubai, Orlando, Rabat, Bristol, Bogota, Paris, Washington, DC, Lima, Johannesburg, Bangkok, Pilsen, Toronto, Costa Rica, Monterrey, Sao Paulo, Riyadh, Manila, Melbourne, New Delhi, Sydney, Augsburg, Tokyo, and Muscat. He is an associate editor of the IJIEOM (Q1, Scopus Indexing). Dr. Ali is a member of IEOM, INFORMS, SME, and IEEE.

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 JNTUH University College of Management Hyderabad (UCMH)
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Arshad	Ahmed
Wafa	Al Bulushi
Md. Mokshud	Ali
Nor Azizah	Ali
Salman	Ali
Mohammad	Aljuhani
S M Sayeed	Anowar
Agaraoli	Aravazhi
Nora Fernanda	Arciniegas Sanchez
Sainyam	Arora
Devika	AS
Monisha	Athi Kesavan Premalatha
Durgaprasad	Ayyagari
Girish	B.S.
Sona	Babu
M. Affan	Badar
Damilola	Badejo
Abhishek	Baer
Jeevan Kumar Goud	Bandharapu
Subinoy	Banerjee

Robin	Barua
Amlan	Baruah
Mohd Farriz	Basar
Majid	Baseer
Prabhupad	Bharadwaj
abhishek	bhatnagar
Bhavesh	Bhatnagar
Debabrata	Bhattacharjee
Mayra	Bornacelly
Vishnu	C Rajan
Praveena	Challa
Nila	Chotai
Sanjay Chandrabhan	Choudhari
Ryan Jeffrey	Curbano
Julius Angelo	De Jasmin
Gabriel John	De Leon
Immanuel	Edinbarough
Mai	Elgazzar
Hadi	Farhangi
Ayodele	Gbenjo
Leonard	Goeirmanto
Juan Jacinto	Gomez Meza
Rajat	Goyal
Diego Andre	Guevara Rabanal
Anand	Gurumurthy
Sivananda	Hanumanthu
Faizul	Haque
Christopher	Harris
Tarequl	Islam
Ishat	Islam
silvi	istiqomah
Kathiresan	Jayabalan
Subba Rao	Katragadda
Srikanth Reddy	Keshireddy
Prosper	Konlan
Srinivas Reddy	Kosna

Stephen	Kove	Andrea	Saldate Munguia
Abhishek	Kumar	Ferdoush	Saleheen
Ajitesh	Kumar	Mohsen	Selseleh
Tejinder Singh	Lakhwani	Mahdie	Sheikhi
Cristina	Ledro	Meera	Simon
Jay Mark	Libramonte	Ayush	Singh
Ean Heng	Lim	Arun Pratap	Singh
Jui Chuan	Lin	Satish Kumar	Soni
Rodrigo	Linfati	Vinod	Surange
Cheung Yu	Lo	Dinesh	Thalla
Ahsanul Kabir	Luhan	Senthilkumar	Thiyagarajan
Guangmei	Lyu	Sudhakar	Tiwari
Swarnamouli	Majumdar	Ashish	Verma
Monika	Malik	Roberto	Williams
Priya Ranjan	Mallick	Odisha University of Technology and Research	
Raja	Manambedu Vijayakumar	Westcliff University	
Ali	Massaeli	National Iranian Gas Company	
Lutfun Nahar	Meem	Jessore University of Science & Technology	
Jeevan	Mendu	Leadsoc Technologies Pvt Ltd	
Kennedy Modiri	Mereothle	University of Johannesburg	
Rashmi	Mishra	University of Technology and Applied Sciences, Al Musanna, Oman	
Md.Sourove Akther	Momin	Walton Hi-Tec. Ind. PLC. Bangladesh	
Ishara	Mudiyansege	University of Wollongong	
Arunkumar	Muniswamy	Vellore Institute of Technology	
Nasurudeen Ahamed	N	United Arab Emirates University	
Gautam Nandkishore	Nayak	META	
Dr. Cecilia	Nembou	University of Papua New Guinea	
Rabi Narayan	Padhi	Hindustan Aeronautics Ltd – IIMM	
Javier	Pernas-Álvarez	Universidade da Coruña	
Rudra Prakash	Pradhan	Indian Institute of Technology Kharagpur	
Ari Andriyas	Puji	University of Riau	
Dileep	Rai	Hachette Book Group	
Raul Ionut	Riti	Technical University of Cluj-Napoca, Cluj, Romania	
Venkataramanaiah	Saddikuti	IIM Luckow	
Mohan	Saini	K Logistics	
Nanette	Salazar	University of San Jose Recoletos	

Conference Schedule

Day 1 – November 5, 2026 (Thursday)

07:00 - 17:00	Registration			Zoom Room A & B
	Technical Session – Room 1	Technical Session – Room 2	Technical Session – Room 3	
08:00 - 09:00	Keynote Preparation	SCM	Human Factors and Ergonomics	7:00 – 10:00 AI Competition
09:00 - 10:00	Opening Cermeony and Welcome Addresses Dr. Rupa Vasudevan, Chancellor, Bharatiya Engineering Science and Technology Innovation University (BEST IU), Anantapur, Andhra Pradesh Dr. Ekta Kapoor, Head, National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), Department of Science and Technology (DST), Government of India (GOI) Dr. Ahad Ali, Associate Proessor and Director of DEng in Advanced Manufacturing, LTU, USA and CEO of IEOM Society, USA Dr. Kamel Ghazouani, Institut des Hautes Études Commerciales de Carthage (IHEC), University of Carthage, Tunis, Tunesia			10:00 – 12:00 UG Competitions (a) SCM (b)
10:00 - 10:30	Keynote - Saishyam Narayanan, CEO, IIT Palakkad Technology IHub Foundation (IPTIF)			12:00 – 14:00 AI (a) 12:00 – 14:00 Simulation (b)
10:30 - 11:00	Keynote - Dr. BVK Sastry, Founder Chancellor, Yoga-Samskrutham University, USA			14:00 – 16:00 IoT (a) Simulation (b)
11:00 - 11:30	Keynote - Dr. Arindam Das, Director – Srishti, Manipal Institute of Art, Design & Technology			
11:30 - 12:00	Keynote - Sudhakar Rao, Director- Branding, ICFAI Group, Hyderabad, Telangana, India			16:00 – 18:00 BM (a) Innovation (b)
12:00 - 12:30	Keynote - Lt Gen Arun Kumar Sahni, Former General Officer Commanding In Chief, Indian Army, Present President, Information Security Council of India			
12:30 - 13:00	Keynote - Dr. AB Patil, President IAT, Bengaluru			
13:00 - 14:00	Lunch Break			18:00 – 20:00 High School (a) AI (b)
	Afternoon Technical Sessions – Breakout Rooms			
	Room 1	Room 2	Room 3	
14:00 - 15:15	Empowered Women and Transformative Leadership Panel	High School STEM Competition	Sustainability, Green Systems and Energy	20:00 – 22:00 Grad Competition (a) AI (b)
15:15 - 15:30	Networking Tea Break			
	Poster Session 3:30 – 6:00 pm. Bring Your Printed Posters. Display Your Posters during the whole conference.			
15:30 - 16:45	Panel: AI in Engineering and Management Education	Competitions	Artificial Intelligence and Data Science	
16:45 - 17:00	Networking Break			
17:00 - 18:00	Panel IEOM Student Chapters	Entrepreneurship and Innovation	Automation, Robotics and Autonomous Systems	

Day 2 – November 6, 2026 (Friday)

07:00 - 17:00	Registration			Zoom Room A & B
	Technical Session – Room 1	Technical Session – Room 2	Technical Session – Room 3	
08:00 - 09:00	Industry 4.0 Panel	SCM	Artificial Intelligence and Data Science	8:00 – 10:00 AI (a) HF (b)
09:30 - 10:00	Keynote - Dr. Narendranath Dutta, CEO, I Hub, IIT Guwahati			10:00 – 12:00 MS Competition (a) FYP Competition (b)
10:00 - 10:30	Keynote - Dr. Sharon Ravitz-Wyngaard, Academic Director, Arava International Center for Agricultural Training (AICAT), Israel			
10:30 - 11:00	Keynote - Dr. Gopal Lal, Director NAAARM			12:00 – 14:00 SCM (a) EM & PM (b)
11:00 - 11:30	Keynote - Suresh Done, Chief AI Officer, AI Authority, Michigan, USA			14:00 – 16:00 AI (a) Case Studies (b)
11:30 - 12:00	Keynote - Dr. Akhilesh Gupta, Former Secretary, Science and Engineering Research Board (SERB) DST			16:00 – 18:00 Eng. Edu. (a) AI (b)
12:00 - 12:30	Keynote - Dr. T. Sasilatha, Principal-General Programs, Amet University Chennai			
12:30 - 13:00	Keynote - Dr. Tharamani C. Nagaiah, Professor and Head of the Department of Chemistry, IIT Ropar, India			18:00 – 20:00 BM (a) Sustainability (b)
13:00 - 14:00	Lunch Break			20:00 – 22:00 AI
	Afternoon Technical Sessions – Breakout Rooms			
	Room 1	Room 2	Room 3	
14:00 - 15:15	Business Management and Operations Management	Lean Six Sigma and Operations Excellence	Digital Manufacturing, Industry 4.0 and IoT	
15:15 - 15:30	Networking Break			
15:30 - 16:45	AI Panel – Student Evaluation	Case Studies and Best Practices	Automation, Robotics and Autonomous Systems	
16:45 - 17:00	Networking Break			
17:00 - 18:00		Manufacturing, Assembly and Design	Engineering Education and Curriculum Improvement	

Day 3 – November 7, 2026 (Saturday)

08:00 - 17:00	Registration	Zoom Room A 8:00 – 10:00: AI 10:00 – 12:00: BM 12:00 – 14:00: HG and Ergo 14:00 – 16:00: SCM 16:00 – 18:00: Energy 18:00 – 20:00: Quality 20:00 – 22:00: Lean Six Sigma
10:00 - 12:30	Keynotes at BESTIU Campus	
12:30 - 14:00	Lunch at BESTIU Campus	
	19:00 – 22:00: Gala Dinner – Award Ceremony at BESTIU	

Online Keynote

Anand Handa
Chief Strategy Officer (CSO)
C3iHub, IIT Kanpur

November 5, 2026 (Thursday) – Onsite

7:00 - 17:00 Registration

November 5, 2026 (Thursday) - Session: 8:00 – 9:00

8:00 – 9:00, Thursday

Onsite Room 1 - Auditorium

Opening and Keynote Preparation

November 5, 2026 (Thursday) - Session: 8:00 – 9:00

8:00 – 9:00, Thursday

Onsite Breakout Room 2

Session Chair: Monica Sharma, Department of Management Studies, Malaviya National Institute of Technology (MNIT) Jaipur, Rajasthan, India

Supply Chain and Logistics

ID 262 Operationalizing Advanced Air Mobility in India: A Systems Framework for Vertiport Networks, Healthcare, Logistics, and Inclusive Mobility

Suresh Munuswamy, Priyadarsini Suresh and Nikita Jana, Malla Reddy Vishwavidyapeeth; HI Rapid Lab Private Ltd., Hyderabad, Telangana, India
Venkataramanaiah Saddikuti, Indian Institute of Management, Lucknow, India
Naveen Kumar, Indian Administrative Service, India
Vignesh Santhanam, World Economic Forum, India
Prem Vislawath, Marut Drones, India
Hemanth Puneekar, Synopsys Inc., India
Himangshu Bora, Synopsys Inc., India
Gopalakrishnan Chandrasekaran, IITM Pravarthak, India
Rajesh Sirigirireddy, California State Department of Health Care Services, India

ID 307 Optimizing Inventory Levels in Retail Supply Chains: An Empirical Analysis of U.S. Retail Inventory-to-Sales Dynamics, 1992-2026

Pavan B, Pes University, Karnataka, India

ID 102 Optimizing Last-Mile Parcel Delivery through GIS-Based Smart Locker Location Selection: A Comparative Study with Traditional Delivery in Bangalore City

Eshwar Dayal, PhD Research Scholar, Department of Mechanical Engineering, Indian Institute of Technology (BHU), Varanasi, India
Lakshay, Associate Professor, NC Jain School of Decision Sciences & Engineering and Department of Mechanical Engineering, Indian Institute of Technology (BHU), Varanasi, India

ID 148 Prioritizing Geopolitical Conflict Risks in Global Food Supply Chains Using the Best Worst Method

Sagar Bharti and Prabhash Bhardwaj, Department of Mechanical Engineering, Indian Institute of Technology (Banaras Hindu University) Varanasi, India

ID 114 Warehouse Scaling Prioritization Due To: A Fuzzy Ahp–Promethee Multi-Criteria Decision Framework

Sariska Singh Yadav and Monica Sharma, Department of Management Studies, Malaviya National Institute of Technology (MNIT) Jaipur, Jaipur, Rajasthan, India

November 5, 2026 (Thursday) - Session: 8:00 – 9:30

8:00 – 9:30, Thursday

Onsite Breakout Room 3

Session Chair: Dr. Ruhina Quazi, Anjuman College of Engineering & Technology, Nagpur, MH, India and Faculty Advisor, IEOM

Human Factors, Ergonomics and Healthcare Systems

ID 145 AI-Driven Decision Support for Optimizing Ayurveda Healthcare Operations: A Fuzzy DEMATEL–TOPSIS Approach

Viket Saurabh, Department of Mechanical Engineering, Indian Institute of Technology (Banaras Hindu University) Varanasi, India
Prabhash Bhardwaj, Professor, Department of Mechanical Engineering and N.C. Jain School of Decision Sciences, India

ID 13 Assessment of Ergonomic Risks Using Reba and Their Impact on Labour Productivity

Bharath Reddy, SVNIT, Gujarat, India

ID 261 BIM-Enabled Digital Twins for Human-Centric Hospital Operations: A Comparative Case Study of Facility Intelligence, Patient Experience, Resilience, and Lifecycle Performance

Suresh Munuswamy, Nikita Jana and Priyadarsini Suresh, Malla Reddy Vishwavidyapeeth; HI Rapid Lab Private Ltd., Hyderabad, Telangana, India
Venkataramanaiah Saddikuti, Indian Institute of Management, Lucknow, India
Naveen Kumar, Indian Administrative Service, India

Ajitha Katta, University of Hyderabad, India
 Angeelena Singh, AIIMS, Bibi Nagar, India
 Senthil Nachimuthu, University of Utah, India
 Rajesh Sirigireddy, California State Department of Health Care Services, India
 Hemanth Sathyanarayana, Imagine XR, India
 Sai Jami, Genpact, India

ID 18 Explainable and Agentic Artificial Intelligence for Kidney Stone Prediction Using Clinical and Imaging Biomarkers: A Systematic Review

M. Kalpana, Research Scholar, Department of Computer Science and Engineering, Amrita Vishwa Vidyapeetham, Bengaluru Campus, Bengaluru, Karnataka, India
 Daddala Yasoomkari, Assistant Professor, Department of Computer Science and Engineering, Amrita Vishwa Vidyapeetham, Bengaluru Campus, Bengaluru, Karnataka, India

ID 203 Work-Related Musculoskeletal Disorders Among Construction Workers

Abdulelah Ali, Department of Industrial Engineering, Jazan University, Jazan, Saudi Arabia

ID 381 NARCO-SENSE: A Sample-Aware, Modular Breath-Based Device for Non-Invasive Drug Screening

Divyoshita Dulam, M. Mokshith Reddy and Shishir Chandra, II Year, Department of Mechanical Engineering (Integrated Twinning Program) Hyderabad Institute of Technology and Management (HITAM), Hyderabad, Telangana, India
 Kushall Mannam, Medhashree Dutta and Anshu Reddy, II Year, Department of Computer Science and Engineering (Integrated Twinning Program) Hyderabad Institute of Technology and Management (HITAM), Hyderabad, Telangana, India

November 5, 2026 (Thursday) - Session: 9:00 – 13:00

9:00 – 13:00, Thursday

Onsite Ballroom (Room 1)

Keynotes – Day 1

9:00 – 10:00, November 5 (Thursday) – Conference Inaugural and Welcome Addresses

Dr. Rupa Vasudevan

Chancellor

Bharatiya Engineering Science and Technology Innovation University (BEST IU)

Anantapur, Andhra Pradesh

Dr. Ekta Kapoor

Head, National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS)

Department of Science and Technology (DST), Government of India (GOI)

Ahad Ali, Ph.D.

Associate Professor

Director, Doctor of Engineering in Advanced Manufacturing

Director of Industrial Engineering Program

A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering

Lawrence Technological University, Southfield, Michigan, USA

Chief Executive Officer of IEOM Society International

Dr. Kamel Ghazouani

Professor of Economics

Institut des Hautes Études Commerciales de Carthage (IHEC)

University of Carthage

Tunis, Tunisia

10:00 – 10:30, November 5 (Thursday) – Keynote

Saishyam Narayanan

CEO

IIT Palakkad Technology IHub Foundation (IPTIF)

10:30 – 11:00, November 5 (Thursday) – Keynote

Dr. BVK Sastry
Founder Chancellor
Yoga-Samskrutham University, USA

11:00 – 11:30, November 5 (Thursday)

Dr. Arindam Das
Director – Srishti, Manipal Institute of Art, Design & Technology

11:30 – 12:00, November 5 (Thursday) – Keynote

Sudhakar Rao
Director- Branding
ICFAI Group
Hyderabad, Telangana, India

12:00 – 12:30, November 5 (Thursday) – Keynote

Lt Gen Arun Kumar Sahni
Former General Officer Commanding In Chief, Indian Army
Present President, Information Security Council of India

12:30 – 13:00, November 5 (Thursday) – Keynote

Dr. AB Patil
President IAT, Bengaluru

13:00 – 14:30 – Buffet Lunch

November 5, 2026 (Thursday) - Session: 14:00 – 15:15

14:00 – 15:15, Thursday

Onsite Ballroom (Room 1)

Panel I

Empowered Women and Transformative Leadership Panel

Panel Chair

Dr. Nagajyothi Koripella
Vice Chancellor
Bharatiya Engineering Science & Technology Innovation University (BESTIU)
Gownivaripalli, Gorantla, Andhra Pradesh, India

Panel Speakers

Dr. Tharamani C. Nagaiah
Professor – Indian Institute of Technology, Ropar

Ms. Bineesha Payattati
Executive Director – International Institute of Waste Management (IIWM)

Dr. Shobha Shukla
Professor – Indian Institute of Technology, Bombay

Ms. Smita Mishra
Founder, Fandoro Technologies, Gurugram
Member, Indian National Science Academy (INSA)

Dr. Deeksha Gupta
Director, Global Strategy for Society Programs
American Chemical Society (ACS)

Dr. Ekta Kapoor
Head, National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS)
Department of Science and Technology (DST), Government of India (GOI)

Dr. Veda Krishnan
Senior Scientist
Indian Council of Agricultural Research (ICAR)
Indian Agricultural Research Institute (IARI)

Dr. Janhavi Raut
R&D Director and Principal Research Scientist at Hindustan Unilever

November 5, 2026 (Thursday) - Session: 14:00 – 15:15

14:00 – 15:15, Thursday

Onsite Breakout Room 2

Session Chair: Dr. Affan Badar, Indian State University, USA

High School STEM Competition

ID 119 AuriSign: A Deep Learning-Based Real-Time Sign Language Recognition System Using VGG16 and MediaPipe Landmark Fusion
Aaliya Aadiya, Independent Researcher and Student Developer, BGS National Public School, Hulimavu, Bengaluru, India

ID 118 Eco Guard: An AI-Driven Participatory Framework for Real-Time Environmental Hazard Detection and Geospatial Visualization
Aaliya Aadiya, Independent Researcher and Student Developer, BGS National Public School, Hulimavu, Bengaluru, India

ID 309 ML-KEM on 32 KB SRAM IoT Devices: Post-Quantum Security for Constrained Environments
Shravan Cinthamani Shankar Hari, Independent Researcher, OWIS Bengaluru, Bengaluru, India

ID 100 Technology-Based Mapping of Pedestrian-Safety Hindrances in Bengaluru: A Cross-Sectional Study
Surya Uthkarsha, Student Researcher, Bengaluru, India

ID 413 Design and Experimental Evaluation of a Frame-Coupled Changpa Backstrap Loom for Warp-Tension Load-Path Redirection
Ronav Pai Panemangalore, Grade 11, Mallya Aditi International School, Bengaluru, Karnataka, India
Research guided by Dr Shivashankar, BMS College of Engineering, Bengaluru, Karnataka, India

Master's Thesis Competition

ID 233 Estimating the Environmental Burden of Medical Textile Waste Using Deep Learning with Uncertainty Quantification
Shraddha Shukla and Cherian Samuel, School of Decision Sciences and Engineering, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, India

ID 414 A Multimodal AI Framework for Exploring Depression-Related Signals in Social Media Text and Facial Expressions
Umaira Shahneen, Research Scholar, Sharnbasva University, Kalaburagi, India
Anand N. Patil, Professor, Artificial Intelligence and Data Science, Sharnbasva University, Kalaburagi, India

Doctoral Dissertation Competition sponsored by Airbus

ID 331 Encroachment in Retail Supply Chains: Operational, Behavioral, and Market Perspectives
Faizul Haque, Assistant Professor, FLAME School of Business, FLAME University, Pune, Maharashtra, India

November 5, 2026 (Thursday) - Session: 14:00 – 15:15

14:00 – 15:15, Thursday

Onsite Breakout Room 3

Session Chair: Dr. Ruhina Quazi, Anjuman College of Engineering & Technology, Nagpur, MH, India and Faculty Advisor, IEOM Student Chapter

Sustainability, Green Systems and Energy

ID 239 A Study on Farmers' Awareness and Adoption Intentions towards Hydroponic Technology in Vertical Farming for Sustainable Agriculture & Rural Livelihoods
Megha G R, Rohith Rao R, Shilpa R G and Trilok Reddy, Faculty of Management and Commerce, M S Ramaiah University of Applied Sciences, Bengaluru, India

ID 157 An Operational-Carbon Framework for Assessing Electric Bus Deployment Under Operational Uncertainty: Evidence from Chennai MTC

Gopi R, Department of Mechanical Engineering, Indian Institute of Technology, Varanasi, India
Pragalya Sritharan, Department of Computer Systems and Design, PSG College of Technology, Coimbatore
Lakshay and Saurabh Pratap, Department of Mechanical Engineering, Indian Institute of Technology, Varanasi, India

ID 281 Deciphering Biochemical Resilience: Phytohormone Dynamics and Antioxidative Defense Against ToLCBaV in Tomato

Bhavya Chidambara, Assistant Professor, Plant Biotechnology, CASAR, BEST Innovation University, Gownivaripalli, Gorantla, Andhra Pradesh, India
Department of Plant Biotechnology, UAS, GKVK, Bengaluru- 560065, India
Avverahally T. Sadashiva and Kundapura V. Ravishankar, Principal Scientist, ICAR- Indian Institute of Horticultural Research, Hessaraghatta Lake Post, Bengaluru 560089, India

ID 334 Design and Development of a Low-Cost Grey Water Filtration System for Domestic Reuse

Avula. Karthik, UG Student, Mechanical, Hyderabad Institute of Technology and Management, Hyderabad, India
Niradi Dinesh, UG Student, Mechanical, Hyderabad Institute of Technology and Management, Hyderabad, India
Gaddi Deepak, UG Student, Mechanical, Hyderabad Institute of Technology and Management, Hyderabad, India
Rapartirti Rohit Sri Sai, UG Student, Mechanical, Hyderabad Institute of Technology and Management, Hyderabad, India
Machukuri Srinivas, UG Student, Mechanical, Hyderabad Institute of Technology and Management, Hyderabad, India
Mr. Santosh Naik, Assistant Professor, Mechanical Engineering, Hyderabad Institute of Technology and Management Hyderabad, India

ID 147 Prioritizing Barriers and Sustainability-Oriented Strategic Solutions for Sustainable Healthcare Waste Handling and Disposal: A q-ROF MCDM Framework

Mansi Singh and Cherian Samuel, Department of Mechanical Engineering, Indian Institute of Technology (Banaras Hindu University) Varanasi, India

ID 344 PyroCore: A Low-Cost Portable Pyrolysis Reactor for Multilayer Plastic Waste Valorisation

Divyoshita Dulam, P. Shishir Chandra and M. Mokshith Reddy, II Year - Department of Mechanical Engineering, Hyderabad Institute of Technology and Management, Hyderabad, India
Athrva Pawar and Kushall Mannam, II Year - Department of Computer Science and Engineering, Hyderabad Institute of Technology and Management, Hyderabad, India

16:00 – 16:30: Break**November 5, 2026 (Thursday) - Session: 15:30 – 18:00****Poster Session (15:30 – 18:00: Day 1)**
Bring Your Printed Posters**ID 41 Utilizing Deep Learning to Discover Human Performance in Immersive Virtual Environment by Observing Their EEG Pattern**

Fahad Alasim, King Saud University, Ar Riyad, Saudi Arabia

ID 82 Cybersecurity Risk Assessment using Machine Learning

Gannera Eswar, BESTIU, Andhra Pradesh, India

ID 85 Image-to-Text Generation Using Google Generative AI

Kummara Lahari, BESTIU, Andhra Pradesh, India

ID 88 Elucidation of Potential Broad-Spectrum Antiviral Phytochemicals Targeting Viral RdRp: An inSilico Approach

Spishow Roy Chowdhury, High School Student, The Cambridge School, Kolkata, West Bengal, India
Rania Indu, Department of Pharmaceutical Technology, JIS University, West Bengal, India
Dipjoyti Dey, Academy of Life Science, Kolkata, West Bengal, India

ID 160 Survey on Deep Learning Approach for Accurate ECG Noise Classification in Long-Term Monitoring Systems

Mr. Nagarjun Thanneeru, Ph. D Scholar, Computer Science and Engineering, Bharatiya Engineering Science and Technology Innovation University, Andhra Pradesh, India
S. Rangaswamy, Guide, Associate Professor, Department of Computer Science and Engineering, Anurag University, Hyderabad, Telangana, India

ID 186 Design and Development of an Offline Voice-Controlled Automation System Using the AI-Thinker VC-02 Module

Rahil khan, Assistant Professor, Department of Electronics & Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India
Taha kausar Shariq Ali, Seventh Semester Student, Department of Electronics & telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India
Inshara kulsum, Seventh Semester Student, Department of Electronics & telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India
Mantasha Ansari, Seventh Semester Student, Department of Electronics & telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India
Ashmeera Sayyad, Seventh Semester Student, Department of Electronics & telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

ID 234 Quantum as a Coprocessor: A Benchmark-Disciplined Framework for NISQ-Era Hybrid AI in India's Socio-Economic Systems

Kethu Charan Kumar Reddy, Ithaka International School, Nellore, Andhra Pradesh, India
Konduru Chetan Sai, Ithaka International School, Nellore, Andhra Pradesh, India

ID 395 Multi-Disaster Response Bot: A Low-Cost Hybrid Spider-Wheeled Robot for Disaster Response

Arya R, Lipika B. M., Sandeep V. R., Vinitha¹ and Pallavi M. L., Department of Robotics and Artificial Intelligence, Bangalore Institute of Technology, Bengaluru, Karnataka, India

November 5, 2026 (Thursday) - Session: 15:30 – 16:45**15:30 – 16:45, Thursday****Onsite Ballroom (Room 1)****Panel II****Panel: AI in Engineering and Management Education**

Organizer and Chair

Dr. M. Affan Badar, CPEM, CEng, FIEOM, FIE
Professor and Director of Ph.D. in Technology Management Program
Bailey College of Engineering & Technology
Indiana State University, USA

Presentation Title: "AI in Engineering Education"

Panel Speaker I:

Dr. Prakash Divakaran
Vice Chancellor and Professor
Himalayan University
Itanagar, AP, India

Presentation Title: "AI-Enabled Engineering Education: Reimagining Teaching, Learning, Research and Employability for Industry 5.0"

Panel Speaker II:

Dr. Ashwani Kumar
Professor & Head Mechanical Engineering
Technical Education Department
Government of Uttar Pradesh, India

Presentation Title: "Artificial Intelligence Tools for Enhancing Teaching, Learning and Academic Productivity in Higher Education"

Panel Speaker III

Dr. K.G. Hemalatha, B.Pharm., MBA., MPhil., Ph.D.
Professor & HOD
Department of Management Studies, Dayananda Sagar College of Engineering
Bangalore, India

Presentation Title: AI in Supply Chain Management

Panel Speaker IV

Dr. M. Manzoor Hussain
Registrar (Retd.) and Professor of Mechanical Engineering
Jawaharlal Nehru Technological University Hyderabad (JNTUH)
Hyderabad, Telangana, India

November 5, 2026 (Thursday) - Session: 15:30 – 16:45**15:30 – 16:45, Thursday****Onsite Breakout Room 2**

Session Chair: Dr. Pagidipalli Praveen, Hyderabad Institute of Technology and Management (HITAM), Hyderabad, Telangana, India

Undergraduate Research Competition sponsored by Daikin Applied**ID 200 Artificial Intelligence-Enabled Autonomous Surveillance Robots for Real-Time Security Monitoring**

Mohsina Anjum, Assistant Professor, Anjuman College and Engineering and Technology (ACET), Nagpur, Maharashtra, India
Mohammad Faham Khan, Priyanshu Rangari, Saniya Yashvant Meshram and Tania Khatun Sheikh, Students, Anjuman College and Engineering and Technology (ACET), Nagpur, Maharashtra, India

ID 35 Assessing Safe Separation Distances for Worker Housing Near Ammonia-Handling Facilities in India: A Gaussian Plume Dispersion Approach

Janhavi Singh, Department of Mechanical Engineering, Dayalbagh Educational Institute, Agra, India

ID 232 Biology and Artificial Intelligence in India's Digital Governance

S. Trishaa, Student, Bachelor of Science in Computer Science (Honours), Birla Institute of Technology and Science, Pilani, Rajasthan, India

Undergraduate Student Paper Competition sponsored by Siemens

ID 181 Oil Import Dependence: Macroeconomic Drivers and Energy Security

Snehal Sharma, 3rd Year UG Student Department of Chemical Engineering, SV National Institute of Technology (SVNIT) Surat, Gujarat, India
 Magesh Nagarajan, Associate Professor, School of Management and Entrepreneurship Indian Institute of Technology Jodhpur (IITJ) Jodhpur, Rajasthan, India

ID 230 Promoting Inclusivity in Learning the Electronics Subject at the Undergraduate Level

S. Trishaa, Student, Bachelor of Science in Computer Science (Honors), Birla Institute of Technology and Science, Pilani, Rajasthan, India

ID 179 Smart Campus Student Management and Monitoring System

Khwaja Ramizuddin, Ilhum Akhtar, Shuanshu Nandeshwar, Sakshi Meshram and Iqra Anam Firoz Khan, Department of Electronics & Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

November 5, 2026 (Thursday) - Session: 15:30 – 16:45

15:30 – 16:45, Thursday

Onsite Breakout Room 3

Session Chair: Prof. Abid Haleem, Jamia Millia Islamia (JMI), New Delhi, India

Artificial Intelligence and Data Science

ID 25 The Algorithmic Transition: How AI and Automation Reshape Labour Markets and GDP Growth

Kaushik Gupta, Mainak Sen and M N Vijay Kumar, R.V. College of Engineering, Karnataka, India

ID 138 Hybrid Deep Learning Approach for Brain Tumor Segmentation and Classification Using MRI Images

Kumbha.Umamaheswari Devi, Department of Artificial Intelligence and Machine Learning, [Bharatiya Engineering Science & Technology Innovation University], [Gorantla], India
 Bandi Krishna, Department of computer Science and Engineering, [Balaji Institute of Technology and Science], [Warangal], India

ID 330 Comparative Study of General-Purpose AI Models for Engineering Performance Prediction of Mechanical Products

Karan Tonpe, Parth Gandhi and Sampanna Mogal, Department of Mechanical Engineering, Veermata Jijabai Technological Institute, Matunga, Mumbai-400019, India
 Mandar Tendolkar, Assistant Professor, Department of Mechanical Engineering, Veermata Jijabai Technological Institute, Matunga, Mumbai, India

ID 15 Agentic Explainable Artificial Intelligence Framework for Non-Invasive Blood Glucose Estimation Using Video-Derived PPG Signals and Artificial Neural Networks

R. Gladys Kiruba, Research Scholar, Alliance University, Bengaluru, Karnataka, India
 Rajesh Sharma R, Associate Professor, Alliance University, Bengaluru, Karnataka, India

ID 106 AI for Cardiovascular Disease Prediction

Pbs Aditya Kumar, Computer Science Department (Seat), Assistant Professor, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), India

ID 267 Artificial Intelligence and Occupational Transformation: A Study of Women Medical Staff in Bengaluru

Deepa S V, Research Scholar – Sociology, 2023wpsoc001, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Gorantla, Andhra Pradesh, India
 Vinita Pandey, Associate Professor of Sociology (Research Supervisor), VCI Women's University, Koti, Hyderabad, India

November 5, 2026 (Thursday) - Session: 17:00 – 18:00

17:00 – 18:00, Thursday

Onsite Breakout Room 1

Panel

Student Panel - IEOM Student Chapters

Panel Chair

Dr. Qutubuddin S.M.

Professor

Industrial and Production Engineering Department

P.D.A. College of Engineering
Gulbarga, Karnataka, India

Panel Speaker I

Dr. Ruhina Quazi
Head of Electronics & Telecommunication Engg.
Anjuman College of Engineering and Technology
Nagpur, Maharashtra, India
Faculty Advisor IEOM Student Chapter

Panel Speaker 2

Praveen Pagidipalli
Associate Professor
Department of Mechanical Engineering
Hyderabad Institute of Technology and Management (HITAM), Hyderabad, India
Faculty Advisor, IEOM Student Chapter – HITAM

Panel Speaker III

Dr. Chandrasen Mazumdar
Associate Professor & Head of the Department (I/c), Management Studies
Department of Management Studies
Faculty of Management and Commerce
Ramaiah University of Applied Sciences
Bangalore, Karnataka, India

November 5, 2026 (Thursday) - Session: 17:00 – 18:00

17:00 – 18:00, Thursday

Onsite Breakout Room 2

Session Chair: Dr. G. V. Prabhushankar, Siddaganga Institute of Technology, Tumakuru, Karnataka, India

Entrepreneurship and Innovation

ID 306 Empowering women through entrepreneurship: A systematic literature review and future research perspectives

Dipti and Hemant Kumar Dutta, Indian Institute of Technology Kharagpur, West Bengal, India

ID 116 Entrepreneurial Innovation for Strengthening Farmer Producer Organizations: Enhancing Operational Efficiency, Market Linkages and Farmer Value Creation

Venu B.N, Professor, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Bengaluru, Karnataka, India

ID 71 Role of Digital Infrastructure in Entrepreneurship Development: An Empirical Study on Emerging Economies

Mr. Satyajit Mallik and Rudra P. Pradhan, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, West Bengal, India

ID 388 Are Basel-III Norms Good for Indian Banks? Examining Performance, Efficiency and Resilience Variance in Private-Sector and Public-Sector Banks

Neeli Harsha Vardhan, Faculty of Management and Commerce, Ramaiah University of Applied Sciences, Gnanagangothri Campus, MSR Nagar, Bengaluru-560054, India

Sushma B.S., Rashmi R and Ms. Chandrakala D P, Assistant Professor, Faculty of Management and Commerce, Ramaiah University of Applied Sciences, Gnanagangothri Campus, MSR Nagar, Bengaluru-560054, India

November 5, 2026 (Thursday) - Session: 17:00 – 18:00

17:00 – 18:00, Thursday

Onsite Breakout Room 3

Session Chair: Dr. Ashwani Kumar, Professor & Head, Mechanical Engineering, Technical Education Department, Uttar Pradesh, Kanpur, India

Automation, Robotics and Autonomous Systems

ID 196 AI-Powered Underground Mine Safety, Monitoring and Rescue System

Ansh Ambade, Anjuman College of Engineering & Technology, Maharashtra, India

ID 158 Process Twin of SCARA and Articulated Robotic Substation in Smart Assembly Line

Sneha Uppar, Abidali Mujawar, Sujal Patil, Sudeep Talawar, Vinit V Bangare, Girish Karikatti, Madhusudhana and Rakesh P Tapaskar,
Automation and Robotics Engineering, KLE Technological University, Hubballi, India

ID 38 Smart Toilet

Karthik Miryala, Learning Links Foundation, Telangana, India

Simulation, Optimization and Productivity Improvement

ID 83 (Optimization of Dumper–Shovel Fleet in Opencast Mines Using Industrial Engineering Techniques: A Framework for Improving Productivity and Reducing Haulage Cost)

R. Latha, GM/IE, India

K. Muthukumaran, DGM/IE, India

T. Anguraj and C. Annadurai, 3&4. ACM/IE, India

Praveen Kumar and Subhash Kumar, DEE/IE, India

November 6, 2026 (Friday) – Onsite

8:00 – 17:00 Registration

November 6, 2026 (Friday) – Session: 8:00 – 9:00

8:00 – 9:00, Friday

Onsite Breakout Room 1

Industry 4.0 Panel

Panel Chair:

Capt. Dr Bhaskar Bhandarkar

Chairman Marine Division IEI

Chairman Centre Coordination Committee, Institution of Engineers (India)

Panel Co-Chair:

Dr. Ahad Ali

Associate Professor

Director, Doctor of Engineering in Advanced Manufacturing

Lawrence Technological University, Southfield, Michigan, MI, USA

Speakers

Professor CKN Gupta

Industrial Engineering and Management

R V College of Engineering

Bangalore

Dr. N. S. Narahari

Professor (FTC), Department of Industrial Engineering & Management

RV College of Engineering, Bengaluru, India

Dr. Shridhar R

HOD Mechanical Engineering

RVCE Bengaluru

Dr. Velagapudi Vasu

Professor in the Department of Mechanical Engineering

Coordinator, Centre of Excellence in AR & VR for Digital Manufacturing

National Institute of Technology (NIT) Warangal, India

Depesh Banik

Project Management professional

Webb Fontaine

India

November 6, 2026 (Friday) – Session: 8:00 – 9:00

8:00 – 9:00, Friday

Onsite Breakout Room 2

Session Chair: Prof. (Dr.) Prakash Divakaran, Vice Chancellor, Himalayan University, Itanagar, Arunachal Pradesh, India

Supply Chain and Logistics

ID 180 Cash-on-Delivery (COD), Delivery Success, and Return-to-Origin (RTO) in Indian E-Commerce: Evidence from Industry Data and Consumer Perceptions

Nidhi C M, Department of Management Studies, PES University, Bengaluru, Karnataka, India

ID 324 Digital Supply Chain Adoption and Financial Performance of Indian Listed Companies: A Panel Data Study

Karthik H K, Student, Department of Management Studies, M.S. Ramaiah University of Applied Sciences, Bengaluru, India
Renee Namratha, Assistant Professor, M.S. Ramaiah University of Applied Sciences, Bengaluru, India

ID 23 Gulf War-Induced Disruptions on Petrochemical Feedstock Dependency, Input Cost Escalation, and Supply Chain Resilience in India's Fertilizer Industry

M N Vijayakumar, Associate Professor, Dept. of Industrial Engineering and Management, R V College of Engineering (RVCE), Bengaluru, Karnataka, India
Rishikesh R Akki and Srividya Sriraman, Student, Dept. of Industrial Engineering and Management, R V College of Engineering (RVCE), Bengaluru, Karnataka, India

ID 21 Helium as a Strategic Vulnerability: A Supply Chain Impact Analysis of the 2026 Gulf Conflict on the Indian Economy

M N Vijayakumar, Associate Professor, Dept. of Industrial Engineering and Management, R V College of Engineering (RVCE), Bengaluru, Karnataka, India
Gowri S Gouda and Aaditya A J, Student, Dept. of Industrial Engineering and Management, R V College of Engineering (RVCE), Bengaluru, Karnataka, India

ID 22 Impact of Rising Fuel Prices on India's Transportation and Logistics Sector

M N Vijayakumar, Associate Professor, Dept. of Industrial Engineering and Management, R V College of Engineering (RVCE), Bengaluru, Karnataka, India
Aditya Kaushik G V and Sapna B G, Student, Dept. of Industrial Engineering and Management, R V College of Engineering (RVCE), Bengaluru, Karnataka, India

November 6, 2026 (Friday) – Session: 8:00 – 9:00

8:00 – 9:00, Friday

Onsite Breakout Room 3

Session Chair: Dr. G. Sailaja, Associate Professor, MJCET

Artificial Intelligence and Data Science

ID 340 Smart Reminder Management System

Bonala Bhavani, Hasini Bompally, Ganji Sai Vaishnavi and Bandi Pranavi, II Year – Dept. of Computer Science and Engineering (Data Science), Hyderabad Institute of Technology and Management, Hyderabad, India

ID 337 Software Defect Risk Analysis Using Version Control History

Valeti Manjulatha, IV Year -Dept. of Computer Science and Engineering, Hyderabad Institute of Technology and Management, Hyderabad, India
Sangana Koti Reddy, Asst. Professor, Dept. of Computer Science and Engineering, Hyderabad Institute of Technology and Management, Hyderabad, India
V. Hannah Jemima, V. Thanusree and Sravani. G, Hyderabad Institute of Technology and Management, Hyderabad, India

ID 231 SOP AI: Transforming Enterprise Process Documentation Through Generative AI and Intelligent Workflow Capture

Sumeon Mamidi and Pew Pal, GALaxis Team, Infosys Limited, Hyderabad, India

ID 153 Supplier Selection, Using Artificial Intelligence, Risk Matrix, and Analytic Hierarchy Process

Daniel Mendoza-Casseres, Department of Industrial Engineering, Universidad del Atlántico, Barranquilla, Colombia

ID 322 When the Gate Never Fired: Auditing and Correcting a Free-Energy Router for Agentic LLM Systems

Arham Begani, Grade 10 Student, National Public School, Rajajinagar, Bengaluru, India

November 6, 2026 (Friday) - Session: 9:00 – 13:00

9:00 – 13:00, Friday

Onsite Ballroom (Room 1)

Keynotes

9:30 – 10:00, November 6 (Friday) – Keynote

Dr. Narendranath Dutta
CEO, I Hub, IIT Guwahati

10:00 – 10:30, November 6 (Friday) – Keynote

Dr. Sharon Ravitz-Wyngaard
Academic Director
Arava International Center for Agricultural Training (AICAT)
Israel

10:30 – 11:00, November 6 (Friday) – Keynote

Dr. Gopal Lal
Director NAARM

11:00 – 11:30, November 6 (Friday) – Keynote

Suresh Done
Chief AI Officer
AI Authority
Michigan, USA

11:30 – 12:00, November 6 (Friday) – Keynote

Dr. Akhilesh Gupta
Former Secretary, Science and Engineering Research Board (SERB) DST

12:00 – 12:30, November 6 (Friday) – Keynote

Dr. T. Sasilatha
Principal-General Programs
Amet University Chennai

12:30 – 13:00, November 6 (Friday) – Keynote

Dr. Tharamani C. Nagaiah
Professor and Head of the Department of Chemistry
IIT Ropar, India

13:00 – 14:00 – Buffet Lunch – Ballroom (Room 1)

November 6, 2026 (Friday) - Session: 14:00 – 15:15

14:00 – 15:15, Friday

Onsite Breakout Room 1

Session Chair: Dr. Sayyada Fahmeeda Sultana, Poojya Doddappa Appa (PDA) College of Engineering, Kalaburagi, Karnataka, India

Business Management and Operations Management

ID 359 Digital Channel Strategy in the Service Apartment Industry: Examining the Role of Online Reputation Management and Customer Trust on Booking Intention

Chirayu R Gowda, MBA Student, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
Dr Rashmi R, Supervisor & Assistant Professor, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
Sheeba Samuel, Manjunatha Babu BN and Sandhya Anilkumar, Faculty of Hospitality and Catering Technology, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India

ID 348 Do Institutions Change How Firms Save? Governance, Policy Uncertainty and the Cash-Flow Sensitivity of Cash in Asia

Simran Vatsa, Doctoral Scholar, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur, West Bengal, India
Inder Sekhar Yadav, Associate Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur, West Bengal, India

ID 152 Factors Influencing Parents' Choice of Private Schools: A Structured Literature Review and Coded Synthesis

Abijith Rakesh, Research Scholar, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Andhra Pradesh, India

ID 29 Impact of Price Elasticity of Demand and Inflation on Pricing Strategies of Indian FMCG SMEs

Shree Maheshwari, Student, Dept. of Industrial Engineering and Management RV College of Engineering, Bengaluru, India
Rohan Lunagariya, Student, Dept. of Industrial Engineering and Management RV College of Engineering, Bengaluru, India
M. N. Vijayakumar, Associate Professor (Guide), Dept. of Industrial Engineering and Management RV College of Engineering, Bengaluru, India

ID 98 Integrated Computational Intelligence Optimization Technique for Manufacturing Operations Costs in Low Income Economy

Ezeaku I I and Nwadinobi C P, Department of Mechanical Engineering, Abia State University, Uturu, Nigeria
Anyanwu E E, Department of Mechanical Engineering, Federal University of Technology, Owerri, Nigeria

ID 285 The TD-SER Bridging Framework

Vinod Dhamodaran Menon, Research Scholar, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Bengaluru, Karnataka, India

November 6, 2026 (Friday) - Session: 14:00 – 15:15

14:00 – 15:15, Friday

Onsite Breakout Room 2

Session Chair: Dr. Chandra Sen Mazumdar, Associate Professor, Ramaiah University of Applied Sciences, Bangalore, India

Lean Six Sigma and Operations Excellence

ID 39 AI-Augmented Value Stream Mapping for Global Business Services: A Process-Mining and Machine-Learning Framework for Quantifying and Prioritizing Waste in an Invoice-Processing Value Stream

Rajiv Kumar Tiwari, GBS AI Transformation Lead, T. EN Global Business Services Private Limited, Uttar Pradesh, India

ID 224 Evolving Research Trends: A Bibliometric Analysis of Lean Six Sigma's Role in Industry 4.0 and Circular Economy Transition

Ashish Shrivastava, Manager, Operations Excellence, Biocon Biologics Limited, Bangalore, Karnataka, India

Rajesh Prasad Mishra, Professor, Mechanical Engineering Department, Birla Institute of Technology and Science, Pilani, Rajasthan, India

ID 225 Embedding Lean and Automation in Telecom Vendor Consolidation Program for Derisking, Stabilization, Optimization, Differentiation: A Transition-to-Steady-State Stabilization Approach

Pew Pal, Sameer Kulkarni, Santhosh Kumar K. G., Seema Banu, Lourduh Mary Stella and Suman Bhattacharjee, Enterprise Productivity & Engineering Excellence Group, Infosys Limited, India

ID 263 Lean Six Sigma for Service Excellence in Telecommunications Service Operations

Seema Banu, Infosys Limited, Bengaluru, Karnataka, India

Pew Pal and Satyasurya Srinivas Mahendrawada, Infosys Limited, Hyderabad, Telangana, India

Radhika M, Infosys Limited, Chennai, Tamil Nadu, India

Nayeem Pinitod, Hemant Vaman Virkar and Nilesh Nandkumar Zanwar, Infosys Limited, Pune, Maharashtra, India

Shashank Sharma, Infosys Limited, Noida, India

ID 2 Phase-Adaptive Machine Learning Governance in Lean Six Sigma: A Drift-Aware Framework for Model Selection Across the DMAIC Lifecycle

Charles Onyeka Nwamekwe, Ph.D. Student, Department of Production Engineering, University of Benin, Benin, Edo state - Nigeria

Lecturer, Department of Industrial/Production Engineering, Nnamdi Azikiwe University, P.M.B. 5025 Awka, Anambra State - Nigeria

Raphael Olumese Edokpia, Department of Production Engineering, University of Benin, Benin, Edo state - Nigeria

Eboigbe Christopher Igbinosa, Department of Production Engineering, University of Benin, Benin, Edo state - Nigeria

ID 274 Mission-Critical Quality Control: Ruggedizing COTS UPS Systems for Harsh Environments

Srilatha Choudam, Scientist, Advanced Systems Laboratory, Hyderabad, India

Research Scholar, Bharatiya Engineering Science & Technology Innovation University, Bengaluru, India

P Sudheer, Professor, HOD, Department of EEE, Sreenivasa Institute of Technology and Management Sciences, Chittoor, India

November 6, 2026 (Friday) - Session: 14:00 – 15:15

14:00 – 15:15, Friday

Onsite Breakout Room 3

Session Chair: Dr. Muralidhar Lakkanna, Executive Director (Technical), Prime Tooling, Bengaluru, India

Digital Manufacturing, Industry 4.0 and IoT

ID 353 A Study on the Effect of Phygital Marketing Offerings on Customer Loyalty through Customer Experience: Evidence from Selected Private Banks in Bengaluru

Harish M, Rashmi R, Ajay R and Renee Namratha, MBA (Marketing & Business Analytics) Scholar, Supervisor, Co-Supervisor, Department of Management Studies, Faculty of Management and Commerce, M S Ramaiah University of Applied Sciences, Bengaluru 560054, Karnataka, India

ID 192 AI-Based Fault-Tolerant LoRa Mesh Network for Underground Mining Safety

Ifra Sayyad, Anjuman college of engineering and technology, Maharashtra, India

ID 247 Design and Implementation of Two Virtual Reality Competency Trainers for Manual Assembly and Hand-Tool Selection on a Common Extended Reality Platform

V Vasu, Professor, Department of Mechanical Engineering, National Institute of Technology Warangal, Warangal, Telangana, India

Binet N B, M. Tech Student, Department of Mechanical Engineering, National Institute of Technology Warangal, Warangal, Telangana, India

Mula Hruthik, Independent AR/VR Developer, Hyderabad, Telangana, India

ID 240 From Technology Adoption to ESG Performance: A Dynamic Capability Perspective on Industry 4.0 in Manufacturing Firms

Ajit Kumar Patra, Ph.D. Scholar, Operations Management, Indian Institute of Management Ranchi, Ranchi, Jharkhand, India

Amit Sachan, Professor, Operations Management, Indian Institute of Management Ranchi, Ranchi, Jharkhand, India

ID 8 Intelligent Spatio-Temporal Data Syncing for Edge Devices Across Heterogeneous Sensor Networks

Kashish Kapoor, Amity University Punjab, Punjab, India

15:15 – 15:30 - Break

November 6, 2026 (Friday) - Session: 15:30 – 16:45**15:30 – 16:45, Friday****Onsite Ballroom (Room 1)****AI in Student Evaluation Panel****Dr. Manzoor, JNTUH****November 6, 2026 (Friday) - Session: 15:30 – 16:45****15:30 – 16:45, Friday****Onsite Breakout Room 2**

Session Chair: Siddhesh Suryakant Dongare, Technical Product Manager - Data & AI Solutions / Open Finance, Mastercard Open Finance

Case Studies and Best Practices**ID 69 An Impact Analysis of Farmer FIRST Programme in ATARI Zone-X of India using PSM-DiD**

Anuhya Pola, Assistant Professor, Department of Agricultural Extension, BEST Innovation University, Gownivaripalli, Sri Sathya Sai (Di), Andhra Pradesh, 515231, India

Venkatesan P, Principal Scientist, Extension Systems Management, ICAR-National Academy for Agricultural Research Management, Rajendranagar, Hyderabad, Telangana, India

Lakshmi T, Professor and Head, Department of Agricultural Extension Education, S.V. Agricultural College, Tirupati, ANGRAU, Andhra Pradesh, India

ID 70 Effect of Plant Growth Regulators on Growth, Flowering and Yield of Marigold (Tagetes Erecta L.) Cv. L3 Under the Rayalaseema Region of Andhra Pradesh

Ashwini A., Assistant professor, Department of Horticulture, CASAR, Bharatiya Engineering Science & Technology Innovation University (BESTIU), India

ID 326 From Street Cart to Digital Platform: A Case of the Hawkey Business Model

Manya Jha, MBA in Operations Management, Faculty of Management Sciences, FMC, MS Ramaiah University of Applied Sciences, RUAS, Bangalore, Karnataka India

Chandra Sen Mazumdar, Associate Professor, Faculty of Management Sciences, FMC, MS Ramaiah University of Applied Sciences, RUAS, Bangalore, Karnataka India

ID 130 Municipal Solid Waste Management in India: Waste-to-Energy Opportunities, Environmental and Human Health Impacts, and Future Waste Generation Projections

Srinivasa Reddy Manchala, Environmental Engineering and Science, Bharatiya Engineering Science and Technology Innovation University (BESTIU), Gownivaripalli, Gorantla, Andhra Pradesh, India

G. Sudhakar, Professor, Bharatiya Engineering Science and Technology Innovation University (BESTIU), Gownivaripalli, Gorantla, Andhra Pradesh, India

ID 125 Religious Services Offered by the Indian Temple – A Supply Chain Perspective

B. Sundar, Indian Forest Service, Additional Principal Chief Conservator and Special Secretary, Bharatiya Environment, Forests, Science and Technology Department, Government of Andhra Pradesh, Mangalagiri, Guntur, India

S. Venkataramaniah, Professor (Operations and Supply Chain Management), Indian Institute of Management Lucknow, India

ID 165 The Pilgrimage Economy as a Catalyst for Regional Development: A Comparative Macro-Analysis of Tirumala Tirupati Devasthanams and Shri Ram Mandir, Ayodhya

Venkataramaniah Saddikuti, Professor of Operations and SCM, Indian Institute of Management Lucknow, India

K V Raju, Professor Emeritus, Chanakya University Bengaluru, NITIAYOG, New Delhi, India

Gopika Varma, Indian Institute of Management Rohtak, India

November 6, 2026 (Friday) - Session: 15:30 – 16:45**15:30 – 16:45, Friday****Onsite Breakout Room 3**

Session Chair: Alfredo Miguel, Technological Institute of the Philippines, Philippines

Automation, Robotics and Autonomous Systems**ID 196 AI-Powered Underground Mine Safety, Monitoring and Rescue System**

Ansh Ambade, Anjuman College of Engineering & Technology, Maharashtra, India

ID 158 Process Twin of SCARA and Articulated Robotic Substation in Smart Assembly Line

Sneha Uppar, Abidali Mujawar, Sujal Patil, Sudeep Talawar, Vinit V Bangare, Girish Karikatti, Madhusudhana and Rakesh P Tapaskar, Automation and Robotics Engineering, KLE Technological University, Hubballi, India

ID 3 Enhancement of Quality Control and Standard Operating Procedures Implementation to Reduce Blister Defects in Sandwich Panel Production at Intext Building Solutions, Inc.

Alfredo Miguel, Technological Institute of the Philippines, Philippines

ID 235 Technological Indigenization in Indian Locomotive Manufacturing: Technology Transfer, Localization, and the Gap in Indigenous System-Level Design Capability

Kartik Sahay and M. Affan Badar, Bailey College of Engineering and Technology, Indiana State University, Terre Haute, Indiana 47809, USA
Qutubuddin S. Mohammed, PDA College of Engineering, Kalaburagi, Karnataka, India

16:45 – 17:00 - Break

November 6, 2026 (Friday) – Session: 17:00 – 18:00

17:00 – 18:00, Friday

Onsite Breakout Room 1

Panel

November 6, 2026 (Friday) – Session: 17:00 – 18:00

17:00 – 18:00, Friday

Onsite Breakout Room 2

Session Chair: Pranshu Shaleen, Dept. of Industrial Eng. & Management, RV College of Engineering, Bengaluru, India

Manufacturing, Assembly and Design

ID 390 Smart Illumination: Enhancing Energy Efficiency with Auto-Adjusting Lighting Based on Ambient Conditions

Suresh. K, III Year -Dept. of CSM, Hyderabad Institute of Technology and Management (HITAM), Hyderabad, Telangana, India

K. Venkatesh Goud, Dhruvanth Gunda and Kanchan kumari, IV Year – Dept. of Mechanical, III Year – Dept. of CSE, III Year – Dept. of CSM
Hyderabad Institute of Technology and Management (HITAM), Hyderabad, Telangana, India

ID 33 The Effect of War on Inflation and Economic Growth: A Comparative Analysis

Pranshu Shaleen, Dept. of Industrial Eng. & Management, RV College of Engineering, Bengaluru, India

Shreya Kalyanee, Dept. of Industrial Eng. & Management, RV College of Engineering, Bengaluru, India

M N Vijaya Kumar, Dept. of Industrial Eng. & Management, RV College of Engineering, Bengaluru, India

Engineering Education and Curriculum Improvement Engineering

ID 9 Exploring the Effectiveness of Inclusive Education practices for children with Special Needs in Indian Schools

Suresh Singh, PhD Scholar, Education, Department of Education, BEST Innovation University Gownivaripalli, Gorantla Mandal, Sri Sathya Sai District, AndhraPradesh - 515231, India

November 6, 2026 (Friday) – Session: 17:00 – 18:00

17:00 – 18:00, Friday

Onsite Breakout Room 3

Session Chair: Prof. Dr. Kazi Syed Zakiuddin, Principal, Anjuman College of Engineering and Technology, Sadar, Nagpur

Artificial Intelligence and Data Science

ID 394 Agentic AI-Based Multi-Agent Architecture for Continuous Endocrine Health Monitoring and Personalized Clinical Decision Support

Agalya Subramani, Research Scholar, PSG College of Arts and Science, Coimbatore, India

ID 418 Inclusive Innovation: AI-Enabled Platform Operations for Visually Impaired Consumers in Indian Start-ups and SMEs

Harshitha. Hirannaiah and Vimal. Raj, Faculty of management and applied sciences. S. Ramaiah University, Bengaluru, 560068, India

ID 421 Software Defect Risk Analysis Using Version Control History

Valeti Manjulatha, IV Year -Dept. of Computer Science and Engineering, Hyderabad Institute of Technology and Management, Hyderabad, India

Sangana Koti Reddy, Asst.Professor, Dept. of Computer Science and Engineering, Hyderabad Institute of Technology and Management, Hyderabad, India

V. Hannah Jemima, V. Thanusree and Sravani. G, IV Year – Dept. of Computer Science and Engineering, Hyderabad Institute of Technology and Management, Hyderabad, India

November 7, 2026 (Saturday) – Onsite BESTIU Campus

9:00 - 14:00 Registration

November 7, 2026 (Saturday) - Session: 10:00 – 13:00

10:00 – 13:00, Saturday

Onsite Ballroom (Room 1)

Keynotes

13:00 – 14:30 – Buffet Lunch – Ballroom (Room 1)

November 7, 2026 (Saturday) - Session: 14:30 – 16:00

14:00 – 14:00, Saturday

Onsite Ballroom (Room 1)

Panel IV

AI Powered Engineering Panel

Virtual Zoom Sessions

Day 1 – Nov. 5, Thursday (India Time)

	Zoom Room A	Zoom Host	Zoom Room B	Zoom Host
7:00 – 10:00	AI Competition	Don Reimer & Synthia Adams		
10:00 – 12:00	UG Competitions (a)	Dr. Mizanur	SCM (b)	Jessica Lima Chavez
12:00 – 14:00	AI (a)	Dr. Mizanur	Simulation (b)	Aqib Islam
14:00 – 16:00	IoT (a)	Ms. Thaba	Simulation (b)	Aqib Islam
16:00 – 18:00	BM (a)	Ms. Thaba	Innovation (b)	Siyam Hassan
18:00 – 20:00	High School (a)	Dr. Nazrul	AI (b)	Siyam Hassan
20:00 – 22:00	Grad Competition (a)	Dr. Nazrul	AI (b)	Synthia Adams

Day 1 – Nov. 6, Friday (India Time)

	Zoom Room A	Zoom Host	Zoom Room B	Zoom Host
8:00 – 10:00	AI (a)	Don Reimer	HF (b)	Jessica Lima Chavez
10:00 – 12:00	MS Competition (a)	Dr. Mizanur	FYP Competition (b)	Jessica Lima Chavez
12:00 – 14:00	SCM (a)	Dr. Mizanur	EM & PM (b)	Aqib Islam
14:00 – 16:00	AI (a)	Ms. Thaba	Case Studies (b)	Aqib Islam
16:00 – 18:00	Eng. Edu. (a)	Ms. Thaba	AI (b)	Siyam Hassan
18:00 – 20:00	BM (a)	Dr. Nazrul	Sustainability (b)	Siyam Hassan
20:00 – 22:00	AI	Dr. Nazrul		Synthia Adams

Day 1 – Nov. 7, Saturday (India Time)

	Zoom Room A	Zoom Host	Zoom Room B	Zoom Host
8:00 – 10:00	AI	Don Reimer		
10:00 – 12:00	BM	Dr. Mizanur		
12:00 – 14:00	HG and Ergo	Dr. Mizanur		
14:00 – 16:00	SCM	Aqib Islam		
16:00 – 18:00	Energy	Aqib Islam		
18:00 – 20:00	Quality	Dr. Nazrul		
20:00 – 22:00	Lean Six Sigma	Dr. Nazrul		

Virtual - Day 1 (Thursday, November 5)

November 5, 2026 (Thursday) - Session: 8:00 – 10:00

7:00 – 10:00, Thursday

Virtual Zoom Room A

Session Chairs: Professor Don Reimer, IEOM USA and Synthia Adams, IEOM Michigan

AI-ML Competition

ID 320 A Human-in-the-Loop Reinforcement Learning Framework for Personalized Ergonomic Risk Mitigation Using Wearable IMU Sensors

Umaira Shahneen, Research Scholar, Sharnbasva University, Kalaburagi, India
 Qutubuddin Syed Mohammed, Professor, Industrial Production & Engineering, PDA College of Engineering, Kalaburagi, India
 Syeda Afeefa Fatima, Student, PDA College of Engineering, Kalaburagi, India
 S. M. Hasanuddin, Student, Methodist College of Engineering & Technology, Hyderabad, India

ID 168 A Machine Learning Framework for Predicting Electro-Oxidation Removal Efficiency of Phthalates and Parabens Using Operating Parameters

Daksh Gandhi, Suncity School, Haryana, India

ID 172 AI-Based Smart CCTV Surveillance, Weapon Recognition, and Automated Multi-Tier Threat Alert System

Mr. Akbar Nagani, Assistant Professor, Department of Electronics and Telecommunication
 Tanishka Wani, Nabil Khan, Zoya Anjum and Gulaashna Khan, 7th Sem, Anjuman College of Engineering and Technology, Nagpur, India

ID 199 AI Driven Intelligent Academic Performance Prediction Using Explainable Machine Learning

Ms. J. Sreelakshmi, Assistant Professor, Department of Computer Science and Engineering, B.E.S.T Innovation University, India

ID 151 Asteroid Detection and Localization Using ConvLSTM

Kali Singh, Ankur Das, Syed Sadia Zoya and Mohamad Sameer Nalbandh, VIT-AP University, Amaravathi, Andhra Pradesh, India
 Kalyani Sunkara, Assistant Professor, VIT-AP University, Amaravathi, Andhra Pradesh, India

ID 283 Counterfactual Explainable AI for Computer-Vision-Based Ergonomic Risk Validation in Industrial Operations

Syeda Afeefa Fatima, Student, PDA College of Engineering, Kalaburagi, India
 Syeda Midhath Javeria, Student, Ballari Institute of Technology & Management, Ballari, India
 Umaira Shahneen, Research Scholar, Sharnbasva University, Kalaburagi, India
 S.M. Hasanuddin, Student, Methodist College of Engineering and Technology, Hyderabad, India
 Ayesha Fatima, Student, Stanley College of Engineering and Technology for Women, Hyderabad, India
 Qutubuddin Syed Mohammed, Professor, Industrial & Production Engineering, PDA College of Engineering, Kalaburagi, India

ID 328 Deep Feature-Based Image Search and Retrieval: A Comparative Study of Classical and CNN-Based Content-Based Image Retrieval
Harsh Mistry, Mitali Sonar, Priyank Bhanushali, Ramesh Dhebe and Mayank Vora, Master of Technology Students, Data Science and Analytics School of Computer Science and Engineering, Vishwanath Karad MIT World Peace University, Pune, Maharashtra, India
Trupti Baraskar, Assistant Professor, School of Computer Science and Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune, Maharashtra, India

ID 177 KneeAI-Vision: Multimodal Deep Learning for Knee Abnormality Detection

Almas Fatema Sheikh, B. Tech Student Department of Electronics & Telecomm Engg, Anjuman College of Engg & Technology, Nagpur, Maharashtra, India
Sheenum Khan, B. Tech Student Department of Electronics & Telecomm Engg, Anjuman College of Engg & Technology, Nagpur, Maharashtra, India
Rumisha Quadri, B. Tech Student Department of Electronics & Telecomm Engg, Anjuman College of Engg & Technology, Nagpur, Maharashtra, India
Saniya Khan, B. Tech Student Department of Electronics & Telecomm Engg, Anjuman College of Engg & Technology, Nagpur, Maharashtra, India
Ruhina Quazi, Asst.Professor, Department of Electronics & Telecommunication Engineering, Anjuman College of Engineering & Technology Nagpur, Maharashtra, India

ID 110 Multi-Modal Contextualization of IoT Health Streams for False Alarm Suppression and Clinical Decision Support

K. Shireesha and Anjaiah Adepu, Computer Science and Engineering, BESTIU, Gorantla, Andhra Pradesh, India

ID 161 NLP-Based Smart Device Control

Ruhina Quazi, Asst.Professor & HOD, Electronics & Telecommunication Engineering, Anjuman College of Engineering & Technology Nagpur, Maharashtra, India
Ms. Bushra Sameen Ansari, Department of Electronics & Telecommunication Engineering, Anjuman College of Engineering & Technology Nagpur, Maharashtra, India

ID 201 Responsible AI Governance Framework for Intelligent Enterprises

Sanjeev Kumar Gajadi, SAP Enterprise Architect, HCLTech, Bengaluru, India

ID 243 Zero-Trust and Explainable AI-Driven Security Orchestration for Autonomous Threat Detection and Response in Software-Defined Networks

Balarama Krishna Chavali, Ph. D Research Scholar, Department of Computer Science Engineering, Bharatiya Engineering Science & Technology Innovation University-BESTIU, Gownivaripalli, Gorantla Mandal, Sri Sathya Sai District (formerly Anantapur district), Andhra Pradesh, India
A.V.L.N. Sujith, Associate Professor & Head of Department of Information Technology, Malla Reddy University, Maisammaguda, Dulapally, Medchal-Malkajgiri District, Hyderabad, Telangana, 500100, India

ID 417 An Intelligent Fuzzy Transformer Framework for Sentiment Driven Cross Cryptocurrency Price Variability Prediction

Deepthi T, Research Scholar, Department of Computer Science and Engineering, Bharatiya Engineering Science and Technology Innovation University (BESTIU), Anantapur, Andhra Pradesh 515731, India
Parthasaradhi Mayasala, Associate Professor, Department of Computer Science and Engineering, School of Engineering, Malla Reddy University, Hyderabad 500100, India

November 5, 2026 (Thursday) - Session: 10:00 – 12:00

10:00 – 12:00, Thursday

Virtual Zoom Room A

Session Chair: Dr. Mizanur, IEOM Sydney

Undergraduate Research Competition sponsored by Daikin Applied

ID 338 Application of Graphene Quantum Dots for radiation detection and reduction of volume of Spent Nuclear Fuel

Sipra Mishra, Undergraduate Student, Veer Surendra Sai University of Technology, Sambalpur, Odisha, India

ID 246 Cash Vs E-Wallets in the Philippines: A Comparative Performance Analysis of Payment Methods Among Filipino Millennials and Generation Z

Carlos Ignacio Lugay Jr., PhD, PIE, ASEAN Engr., UST - Faculty of Engineering - Faculty Member, Department of Industrial Engineering University of Santo Tomas, Manila, Philippines
Rogianna Nicolei Isidro, Isabela Clarisse Lucero and Irish Nicole Minerales, 4th Year Faculty of Engineering Students, Department of Industrial Engineering, University of Santo Tomas, Manila, Philippines

ID 268 Predicting Residential Solar Energy Systems Adoption Intentions: A TPB - TAM Predictive Framework

Kreselle Anne J. Abello, Jerylle Alexa D. Allie, Allizza M. Afionuevo, Czeckinah Grace B. Bautista, Jerianne Margarette P. Maramba, Charlene E. Marasigan, Mark Aaron V. Mendoza, Rob Rain R. Rio and Maricar M. Navarro, Industrial Engineering Program, College of Engineering and Architecture, Technological Institute of the Philippines, Quezon City, Philippines

Undergraduate Student Paper Competition sponsored by Siemens

ID 54 A Model for Improving Production Plan Compliance in the Spinning Department Through the Implementation of 5S and SMED in a Textile Manufacturing Company

Fabiana Cielo Espinoza-Cabrera, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Yadira Hurtado-Zegarra, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Jorge Antonio Corzo-Chavez, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

Javier M. Catillo-Tejada, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 270 Development of a Solar PV Consumer Decision Readiness Framework in the Philippines Using Partial Least Squares Structural Equation Modeling

Ziane Gabrielle C. Banua, Onoda Kenshee B. Edades, Angel Faye O. Encarnacion, Nicole Andrea C. Gamot, Kirsten Garcia, Faith Porcelo and Maricar M. Navarro, Industrial Engineering Program, College of Engineering and Architecture, Technological Institute of the Philippines, Quezon City, 1109, Philippines

ID 166 Digital Contagion: An Epidemic-Based Early Warning Framework for Social Media-Driven Bank Runs in India's Cooperative Banking Sector

Mitrajit Ghorui and Ishan Nepal, Department of Mathematics, National Institute of Technology Warangal, Warangal, Telangana, India

ID 52 Lean Manufacturing Model to Increase Hatching Rate in Breeder Egg Incubation

Nassim Mahuad-Escardo, Rodrigo Israel De Souza-Seclen, Jorge Antonio Corzo-Chavez and Javier Miguel Castillo-Tejada, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 51 Management Model to Reduce Waste Based on Work Standardization, Preventive Maintenance and Poka-Yoke in a Nonwoven Geotextile Manufacturer

Paula Soleil Bernuy-Ramos and Valeria Vanini-Valle, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú
Jorge Antonio Corzo-Chavez and Javier M. Castillo-Tejada, Research Professors, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 399 Lightweight Windows-First Multi-Host Orchestration System Using Go and Docker

Manish Assudani, Abu Hurairah, Sarahan Sheikh, Sayyed Fardeen, Mohammad Salman, Krish Gajbhiye and Syed Eltefatuddin, Department of Computer Science & Engineering, Anjuman College of Engineering & Technology, Nagpur, Maharashtra, India

November 5, 2026 (Thursday) - Session: 10:00 – 12:00

10:00 – 12:00, Thursday

Virtual Zoom Room B

Session Chair: Su Daoyu, Qingdao Institute of Technology, Qingdao, China

Zoom Host: Jessica Lima Chavez, IEOM Mexico

Supply Chain and Logistics

ID 72 From Machine Data to Manufacturing and Supply-Chain Execution: An Integrated Framework for Automated Procurement, Digital Batch Records, Enterprise Material Sharing, and Direct Transportation Planning

Urmil D. Lashkari, Undergraduate Student, K.B Raval College of Pharmacy, Gandhinagar, India
Nikul V. Tripathi, Undergraduate Student, K.B Raval College of Pharmacy, Gandhinagar, India
Dhrudeepsinh A. Jadeja, Independent Researcher, Ahmedabad, India

ID 10 From Signal to Shock: Investigating the Bullwhip Effect on Manufacturing Supply Chains

Ram Dayal Pandey, Ph.D. Research Scholar (Industrial Engineering and Management), Department of Management Studies and Industrial Engineering, Indian Institute of Technology (ISM), Dhanbad, Jharkhand 826004, India
Shikha Singh, Assistant Professor, Department of Management Studies and Industrial Engineering, Indian Institute of Technology, ISM, Dhanbad, Jharkhand 826004, India

ID 357 Hidden in the Supply Chain: Modern Slavery Risk in South African Construction Sector

Hemisha Makan, Lecturer, Department of Transport and Supply Management, University of Johannesburg, Cnr Kingsway and University Road Auckland Park, Johannesburg, South Africa

ID 265 Impact of Market Infrastructure on Operational Efficiency in the Tomato Supply Chain: A Study of Kolar APMC, Karnataka

Varshini Krishna H K and Chandra Sen Mazumdar, Faculty of Management & Commerce, M.S. Ramaiah University of Applied Sciences Bengaluru, Karnataka, India

ID 314 Self-Healing EV Battery Supply Chains Through Deep Reinforcement Learning and Projection-Based Budget Control

Rahul Ravi Kumar, Department of Industrial Engineering, College of Engineering Guindy, Anna University, Chennai 600025, India

ID 108 Supply Chain Management Optimization and Industrial Design Commercialization: A Process-Based Framework

Su Daoyu, Qingdao Institute of Technology, Qingdao, China

ID 380 Supply Chain Disruptions and the Financial Performance of Electric Vehicle Companies in India: Pre- and Post-Disruption Evidence and a Pilot Resilience Index

Yousuf Khan N and Usha JC (Supervisor), Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, India

November 5, 2026 (Thursday) - Session: 12:00 – 14:00

12:00 – 14:00, Thursday

Virtual Zoom Room A

Session Chair: Mohsin Malik, Anjuman College of Engineering and Technology, Maharashtra, India

Zoom Host: Dr. Mizanur, IEOM Sydney

ID 332 A Review of Object Classification Methods for Autonomous Driving: From Existing Methods to Class-Balanced Convolutional Self-Attention, Robust LiDAR Classification, and YOLO-Based Future Integration

KSNV Someswararao, Research Scholar, Department of Electronics and Communication Engineering, Bharatiya Engineering Science and Technology University, Gorantla, Andhra Pradesh, India

C. Gangaiah Yadav, Associate Professor & HoD, Department of Electronics and Communication Engineering, Chaitanya Bharathi Institute of Technology, Proddatur, Andhra Pradesh, India

ID 202 A Unified Multimodal Deep Learning Framework Integrating Foundation Models and Transformers for Vision, Language, and Predictive Analytics

M Triveni, Bharathiya Engineering Science & Technology Innovation University, Andhra Pradesh, India

ID 149 Adaptive Feature Selection and Enhanced Deep Neural Network Based Brain Image Recognition in Internet of Medical Things Healthcare Systems

Banoth Veeru, Research Scholar, BESTI University, India

Bandi Krishna, Department of CSE, Balaji Institute of Technology and Science, Warangal, India

ID 190 AI Based Cyber Security System

Jeevidha Sakhare, Q no.262 Chocks Colony Near Sugat Buddha Vihar, Maharashtra, India

ID 275 AI-Based Crop Disease Detection for Sustainable and Precision Agriculture

Mano Ramya Yerragudi, Assistant Professor, Computer Science and Engineering, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Gorantla, Satya Sai, 515231, Andhra Pradesh, India

ID 74 Automatic Text Summarization System for News Articles Using the State-of-the-Art PEGASUS Model

M. Muni Babu, Dean, School of Engineering and Applied Technology (SEAT), BEST Innovation University, Gorantla, AP, India

Mr. P. Krishnaiah, Assistant Professor, Computer Science and Engineering, KSRM College of Engineering, Kadapa, AP, India

Ms. J. Jyothi Bai and Ms. J. Sinjini, Assistant Professor, Department of CSE (AI & ML), CMR Institute of Technology, Hyderabad, Telangana, India

ID 198 A Zero-App Generative AI Framework for Virtual Garment Try-On in Physical Retail Showrooms: Smartphone-to-Kiosk Integration and Experimental Evaluation

Mohsin Malik, Anjuman College of Engineering and Technology, Maharashtra, India

November 5, 2026 (Thursday) - Session: 12:00 – 14:00**12:00 – 14:00, Thursday****Virtual Zoom Room B**

Session Chair: Ramavath Dakya Naik, Bharatiya Engineering Science and Technology Innovation University, Sathya Sai, Andhra Pradesh, India

Zoom Host: Aqib Islam, IEOM Bangladesh

Simulation and Optimization**ID 229 Location-Allocation Optimization of Satuan Pelayanan Pemenuhan Gizi (SPPG) for the Free Nutritious Meal Program in Bandung, Indonesia**

Giovano Alberto, Carles Sitompul, Fran Setiawan and Titi Iswari, Supply Chain Center, Department of Industrial Engineering, Parahyangan Catholic University, Bandung, Indonesia

ID 45 Optimization of the OEE Level in a Corrugated Cardboard Box Manufacturing Company Through the Implementation of Lean Manufacturing Techniques

Rafael Nicolas Jarrin-Elias, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

Camila Antonella Rubianes-Zegarra, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

Marcos Fernando Ruiz-Ruiz, Associate Professor, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

Rafael Chavez-Ugaz, Associate Professor, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 50 Optimization of the Service Level of the Dispatch Area of a Peruvian Cement Company based Lean Manufacturing Techniques

Josselyn Joyce Castro-Gstir, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

Edwin Jair Ladera-Carrasco, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

Marcos Fernando Ruiz-Ruiz, Associate Professor, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

Rafael Chavez-Ugaz, Associate Professor, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 311 Routing-Aware Wave Assignment in a Footwear Warehouse

Adnan Hageb and Muhammed Atif, Department of Industrial Engineering, Faculty of Engineering, King Abdulaziz University (KAU), Jeddah, Saudi Arabia

ID 266 Simulation-Driven Multi-Objective Optimization of Injection Parameters for Performance and Emission Improvement in a Biodiesel-Fuelled VCR Diesel Engine

Ramavath Dakya Naik, Department of Mechanical Engineering, Bharatiya Engineering Science and Technology Innovation University, Sathya Sai, Andhra Pradesh, 515231, India

A. Raji Reddy, Department of Mechanical Engineering, professor at CMR Technical Campus in Hyderabad, Telangana, 501 401, India

ID 19 West Asia War and Its Implication on Global Oil Markets

Manogyna N, Dept. of Industrial Engineering and Management, RV College of Engineering, Bengaluru, India

P Sanjana, Dept. of Industrial Engineering and Management, RV College of Engineering, Bengaluru, India

Prashanth K S, Dept. of Industrial Engineering and Management, RV College of Engineering, Bengaluru, India
M N Vijaykumar, Dept. of Industrial Engineering and Management, RV College of Engineering, Bengaluru, India

November 5, 2026 (Thursday) - Session: 14:00 – 16:00

14:00 – 16:00, Thursday

Virtual Zoom Room A

Session Chair: S M Julfiker Zahid, Khulna University of Engineering and Technology, Khulna-9203, Bangladesh
Zoom Host: Ms. Thaba, IEOM South Africa

Digital Manufacturing, Industry 4.0 and IoT

ID 194 AI-Enabled Digital Product Passport for Electronic Products

Uzma Parveen Ansari, Department of Electronics & Telecommunication, Anjuman College of Engineering and Technology, Nagpur, India

ID 104 Machine Learning-Based IoT Device Authentication Using Device Fingerprinting: An Automated Framework

Ramesh Babu Varugu, Research Scholar, Best Innovation University, Gorantla, AP, India
G Anil Kumar, Research Supervisor, Professor, Scient Institute of Technology & Sciences, Hyderabad, Telangana, India

ID 105 Performance Evaluation of a Machine Learning-Based IoT Authentication Framework Using Device Characteristics

Ramesh Babu Varugu, Research Scholar, Best Innovation University, Gorantla, AP, India
G Anil Kumar, Research Supervisor, Professor, Scient Institute of Technology & Sciences, Hyderabad, Telangana, India

ID 97 Performance Evaluation (Waiting time Queue) of RFID-Enabled Flexible Manufacturing System Using Simulation and Machine Learning

Mohammad Nasir Khan, ZHCET, AMU., Aligarh, Uttar Pradesh, India

ID 193 A Review on Smart Solar Panel Monitoring & Maintenance System

Mohammad Nasiruddin, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur-440001 Maharashtra India
Lakshdeep Kamble, Shrawan Dudhe, Zeeshan Zafar and Yogesh Kushwaha, Student, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur-440001, Maharashtra India

ID 269 Structural Analysis of Software Attack Causes in Digital Twin-Enabled Industrial Cyber-Physical Systems: An Integrated ISM-MICMAC Approach

S M Julfiker Zahid, Department of Industrial Engineering and Management, Khulna University of Engineering and Technology, Khulna-9203, Bangladesh
Samia Tasnim, Department of Geography and Environment, Islamic University, Kushtia-7003, Bangladesh

November 5, 2026 (Thursday) - Session: 14:00 – 16:00

14:00 – 16:00, Thursday

Virtual Zoom Room B

Session Chair: Ram Mohan Pamu, BESTIU, Gownivaripalli, Gorantla Mandal, Sri Sathya Sai District, Andhra Pradesh, India
Zoom Host: Aqib Islam, IEOM Bangladesh

Simulation, Optimization and Productivity Improvement

ID 319 Adaptive Quad-LED OTFS Scheme for High-Speed Indoor Visible Light Communication

Sangeetha K, Gowtham S, Harish Sendhuran S G, Janesh Bala K and Kishore Kanth S, Department of Electronics and Communication Engineering, K. Ramakrishnan college of technology, Tiruchirappalli, Tamil Nadu, India

ID 191 Approximate Multiplier for Image Processing with Enhanced Energy Efficiency

Dande Parameswara Upendranath, Research scholar, Dept. of ECE, Bharatiya Engineering, Science & Technology Innovation University (BESTIU) Satya Sai District, Andhra Pradesh, India
Krishnanaik Vankdoth, Professor, Dept. of ECE from Chaitanya Deemed to be University, Hyderabad, India

ID 298 Circular Economy Strategies for the Sustainable Conversion of Food and Plastic Waste into Engine Fuels: Fuel haracterization, Engine Performance, Combustion Behaviour, and Comprehensive Emission Assessment

Dugasani Jyothi, Ph. D Scholar Parttime, BEST Innovation University, Gorantla, Sri Satya Sai Dist, A.P.
S. Peniel Paul Doss, Professor, Dept. of Mechanical Engineering Brilliant group of Institutions Hyderabad, R.R Dist.

ID 282 Entropy-Optimized MHD Flow of Hybrid Nano fluids with Coupled Heat and Mass Transfer over Nonlinear Stretching Surfaces: Numerical and Data-Driven Investigation

Ram Mohan Pamu, Ph. D Research Scholar, Department of Mathematics, Bharatiya Engineering Science & Technology Innovation University- BESTIU, Gownivaripalli, Gorantla Mandal, Sri Sathya Sai District (formerly Anantapur district), Andhra Pradesh, India
Prasanthi Modugula, Department of Mathematics, Kaveri University, Gowram, Siddipet, Telangana, India

ID 47 Improving Overall Equipment Effectiveness in a Nonwoven Geotextile Production Line through Preventive Maintenance, Autonomous Maintenance, and SMED

Stefano Tipiani Majluf, Diego A. Hudson Vila, Rafael Chavez-Ugaz and Marcos Fernando Ruiz-Ruiz, Carrera de Ingenieria Industrial, Universidad de Lima, Lima, Peru

ID 46 Improving Overall Equipment Effectiveness in a Plastic Manufacturing Company through Standardized Work, 5S, SMED, and TPM
 Adrian Mauricio Chinin-Trigueros, José Martín Ninamango-Fernández, Marcos Fernando Ruiz-Ruiz and Rafael Chavez-Ugaz, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Peru

November 5, 2026 (Thursday) - Session: 16:00 – 18:00

16:00 – 18:00, Thursday

Virtual Zoom Room A

Session Chair: Shilpa R G, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Host: Ms. Thaba, IEOM South Africa

Business Management and Operations Management

ID 349 A Study on Customer Experience and Customer Satisfaction in EdTech Platforms among Young Adolescents

Perugu Niroop Chand, MBA (Marketing & Business Analytics) Scholar, Department of Management Studies, Faculty of Management and Commerce, M S Ramaiah University of Applied Sciences, Bengaluru 560054, Karnataka, India
 Rashmi R, Supervisor, Department of Management Studies, Faculty of Management and Commerce, M S Ramaiah University of Applied Sciences, Bengaluru 560054, Karnataka, India

ID 352 A Study on the Application of Phygital Marketing for Enhancing Customer Experience, Perceived Brand Image and Revisit Intention in the Hospitality Sector

N Indeshwar and Rashmi R, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru 560 054, Karnataka, India

ID 351 A Study on the Impact of Micro-Influencer Marketing on Purchase Intention towards Luxury Apparel Brands: The Mediating Role of Parasocial Relationships and the Moderating Role of Status Consumption in Bangalore

Moirangthem Joyti Devi, MBA (Marketing & Business Analytics) Scholar, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru 560 054, Karnataka, India
 Rashmi R., Supervisor, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru 560 054, Karnataka, India

ID 187 AI and Managerial Decision Making in Modern Businesses

T. Deepa, Research Scholar, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Bengaluru, Karnataka, India
 Sreeram Daida, Associate Professor of Commerce, Badruka College of Commerce and Art's, Hyderabad, Telangana, India

ID 140 AI Tools and Consumer Decision-Making in Online Retail: SEM-Based Analysis of Purchase Intention

Palak Singh, Rahela Farooqi and Rimsha Maqsood, Department of Management Studies, Jamia Millia Islamia, New Delhi, India

ID 40 AI-Augmented Managerial Decision Systems: Understanding Human Judgment, Algorithmic Trust, and Business Performance

Manisha Dhanda, Sankalchand Patel University Visnagar, Gujarat, India

ID 315 BrandSense AI: Smartphone Brand Equity and Sentiment Intelligence Platform

Chinthapathi Gannesh and Shilpa R G, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India

November 5, 2026 (Thursday) - Session: 16:00 – 18:00

16:00 – 18:00, Thursday

Virtual Zoom Room B

Session Chair: Suhas B. Dhande, University of Mumbai, Mumbai, India
 Zoom Host: Siyam Hasan, IEOM Bangladesh

Entrepreneurship and Innovation

ID 354 Assessment of How Safety Professionals Could Adopt A Digital Monitoring System to Prevent Accidents on Construction Sites.

Gabisile Sondake and Mollo Lesiba, Department of Built Environment, Faculty of Engineering and the Built Environment, Central University of Technology, Free State, South Africa

ID 223 AeroPulse 360 Prevent: A Pneumatic Preventive-Maintenance System for Cobweb and Loose-Dust Control in High-Ceiling Industrial Environments

KavisananK, Mechflow Technology, Tamil Nadu, India

ID 241 Beyond the Factory Floor. Adapting SMED for Digital Changeovers in IT Service Operations and Software Testing

Pew Pal, Infosys Limited., Telangana, India

ID 96 Entrepreneurship in the digital era; Opportunities, Challenges and Future Prospects

Anjaneya Reddy Y, Sri Vidya Vikas Degree College Chintamani, Karnataka, India

ID 42 Reverse Engineering for Business Innovation: Reimagining Market Landscapes and Exploring New Opportunities

Suhas B. Dhande, S.P. Mandali's, Prin. L. N. Welingkar Institute of Management Development & Research, Mumbai, 400019, University of Mumbai, Mumbai, India

Anurag S. Dhande, Harvard John A. Paulson School of Engineering and Applied Sciences, Cambridge, United States
 Virendra S. Gomase, S.P. Mandali's, Prin. L. N. Welingkar Institute of Management Development & Research, Mumbai, 400019, University of Mumbai, Mumbai, India

ID 112 SmartDairy-FPO: An AI-Driven Dairy Management Platform with LSTM-ARIMA Demand Forecasting and Heuristic Route Optimisation for Farmer Producer Organizations

N. Srija, Shalini C, Department of Information Technology, M. Kumarasamy College of Engineering, Karur, India
 Sowmiya M, Department of Information Technology, M. Kumarasamy College of Engineering, Karur, India
 Sujithra G, Department of Information Technology, M. Kumarasamy College of Engineering, Karur, India

November 5, 2026 (Thursday) - Session: 18:00 – 20:00

18:00 – 20:00, Thursday

Virtual Zoom Room A

Session Chair: Dr. Nazrul, IEOM Canada

High School STEM Competition

ID 7 A Mathematical Framework for Student Support: Measuring Bias, Fairness, and Cooperation Using Game Theory

Aarav Singla, Class 11 Student, GD Goenka Public School, Gurgaon, Haryana, India
 Advik Gupta, Class 10 Student, Queen Elizabeth Boys School, London, United Kingdom

ID 93 An Adaptive Horizon Graph-Traversal Framework for Micro-Logistics: Overcoming Heuristic Calculation Overhead under Dynamic Urban Bottlenecks

Leshan Palani, Student, Heartfulness Omega International School (formerly LMOIS), Chennai, Tamil Nadu, India

ID 124 JalRakshak: A Low-Cost IoT and Machine Learning System for Condition-Based Forecasting of Borewell Water Depletion

Vidyut Sundar and Shreyan Limaye, Dhirubhai Ambani International School, Maharashtra, India

ID 170 NeoGuard: Design and Long-Duration Evaluation of a Fault-Aware, Offline-First Low-Cost Retrofit Monitoring Architecture for Neonatal Enclosures

Suryansh Sharma, DPS Greater Noida, Greater Noida, India

ID 182 VAHAN Engine Project Submission. Development of a Parameterized Asymmetric Multi-Displacement Hydrogen Engine with Integrated Transient Energy Buffering and Closed-Loop Thermal Mitigation

Alok Kumar, Chauhan Public School, Bhagalpur, India

November 5, 2026 (Thursday) - Session: 18:00 – 20:00

18:00 – 20:00, Thursday

Virtual Zoom Room B

Session Chair:

Zoom Host: Siyam Hasan, IEOM Bangladesh

AI

ID 176 Privacy-Enhanced Federated Learning with Homomorphic Encryption for IoT-Enabled Healthcare Systems

Rizwana Khatoon, Research Scholar of BEST Innovation University, India
 V. L. Padmalatha, Associate Professor, Data Science, Malla Reddy University, India

ID 339 Spatial Cross-Attention in Medical Image Captioning: A Controlled Evaluation of the IAT-GAL Framework

V Chandra Sekhar Reddy, Research Scholar, Department of Computer Science and Engineering, Jawaharlal Nehru Technological University, Anantapur, Andhra Pradesh, India
 S. Jessica Saritha, Associate Professor, Department of Computer Science and Engineering, Jawaharlal Nehru Technological University, Anantapur, Andhra Pradesh, India

ID 244 Underrepresented and Understudied? South Asian Identity in Vision-Language Model Research

Mohammad Anas, Mohd Abdul Ahad, Ihtiram Raza Khan and Shahab Saquib Sohail, Dept of Computer Science and Engineering, Jamia Hamdard University, New Delhi, India

ID 169 AI-Driven Autonomous Visual Inspection for Industrial Quality Control: A Reproducible Benchmarking Framework Using Steel Surface Defect Detection

Dakshayini L., Manjunath M R, Deepa T and Syed Tabrez, Bharatiya Engineering Science & Technology Innovation University, Karnataka India

ID 79 Automated Testing Framework for Web Applications Using Java and Selenium web driver

P. Venugopal, Assistant Professor of CSE, School of Engineering and Applied Technology (SEAT), Bharathiya Engineering, Science and Technology Innovation University (BESTIU), Gownivaripalli-515231, Andhra Pradesh, India

ID 189 Automatic Vehicle Speed Controller System in Restricted Zone

Sajjad Khan, Assistant Professor, Department of Electronics and Telecommunication, India

Saba Gulrez Zaliya, Alifa Sheikh, Shahabaz Khan, Ritik Nimbhorkar and Shifa Khan, 7th Sem, Anjuman College of Engineering and Technology, Nagpur, India

ID 222 Smart and Sustainable Public Washroom Maintenance Alert System Using Integrated Sensing and Real-Time Notification

Vighnesh Manohar More, Young Innovator, STEM, Future Talent Programme, India
Kiran Vijay Misal, Learning Links Foundation, India

November 5, 2026 (Thursday) - Session: 20:00 – 22:00

20:00 – 22:00, Thursday

Virtual Zoom Room A

Session Chair: Dr. Nazrul, IEOM Canada

Graduate Student Paper Competition sponsored by Eaton Corporation

ID 137 Design and Development of An Esp32-Based Intelligent Health Monitoring System

Mohammad Nasiruddin, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering & Technology, Nagpur, Maharashtra, India
Ms. Firdous Anan Shaikh, MTech Student, Department of Electronics and communication Engineering, Anjuman College of Engineering & Technology, Nagpur, Maharashtra, India

ID 305 Discrete Event Simulation of an Integrated Tissue Culture Greenhouse Aeroponic System for Producing Flowering Size Saffron Corms

Ghazalah Parween Khan, MBA Technology Student, School of Management and Entrepreneurship, Indian Institute of Technology Jodhpur (IITJ), Jodhpur, Rajasthan, India
Magesh Nagarajan, Associate Professor, School of Management and Entrepreneurship, Indian Institute of Technology Jodhpur (IITJ), Jodhpur, Rajasthan, India

ID 321 Performance Evaluation of 2D Facial Recognition Techniques Using the Tufts Face Database

Mann Monpara, Sachi Upadhyay, Sanvi Balki, Raghav Nimbalkar and Atharva Chaudhari, M.Tech. (Data Science and Analytics), MIT World Peace University, Pune, Maharashtra, India
Trupti Baraskar, Faculty Guide - Image and Video Analytic (CSD50010), MIT World Peace University, Pune, Maharashtra, India

ID 329 Performance Evaluation of Image Processing Techniques Using MSE, PSNR, and SSIM

Shubham Kansadwala, Imaad Hajwane and Avani Mishra, Students, Department of Computer Engineering and Technology, School of Computer Science and Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune, Maharashtra, India
Trupti Baraskar, Department of Computer Engineering and Technology, School of Computer Science and Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune, Maharashtra, India

ID 279 Success Factors and Barriers in Smart Retrofitting for Manufacturing: A Triangulated, Dimension-Based Multi-Criteria Decision-Making Analysis with Industry Insights

Aryan Narula, Author, Postgraduate Diploma Student (2025-2026), FLAME University, Pune, Maharashtra, India
Aditi Joshi, Faculty Mentor, Department of Operations and Analytics, FLAME University, Pune, Maharashtra, India
Debraj Bhattacharjee, Subject Matter Expert, Department of Business Analytics, FLAME University, Pune, Maharashtra, India

ID 68 Supplier Concentration in India's Strategic Imports: Product-Level Evidence from Pharmaceuticals and Electronics, 2016–2025

Suhas R, Department of Management Studies (MBA – Operations), PES University, Bengaluru, Karnataka, India

IEOM Robo Competition (Robotics Competition)

ID 221 The INSPIRE Scale: A New Measure of Empathy, Inspiration, and Prosocial Engagement

Nuzhath Begum (PhD Scholar, B.E.S.T.I.U) and Amita Puri, Gwinnett County public school, GA. United States

November 5, 2026 (Thursday) - Session: 20:00 – 22:00

20:00 – 22:00, Thursday

Virtual Zoom Room B

Session Chair: G. Nagaleela, Bharatiya Engineering Science and Technology Innovation University, Anantapur, Andhra Pradesh, India
Zoom Host: Synthia Adams, IEOM Michigan

Artificial Intelligence and Data Science

ID 356 Impact of AI-Powered Voice Search Personalization on Consumer Adoption and Purchase Intention: A Study of Quick Commerce Users in Hubli

Prajwal S B and Vaishaly Bopaiah G, Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India

ID 76 Industry 5.0 Enabled Intelligent University Management Framework Using Generative AI for Academic Decision Support and Institutional Excellence

K. Pavan Kumar, BESTIU, Andhra Pradesh, India

ID 155 IoTSHIELD-Net: A Privacy-Aware Multimodal Deep Learning Framework for Intelligent Anomaly Detection in Zero-Trust IoT Environments

Shahela Khanum, BESTIU, Karnataka, India

ID 316 Leakage-Safe Temporal Benchmarking for Gas Sensor Classification Under Distribution ShiftShahabaz Bequm, Computer Science and Engineering, Bharatiya Engineering Science & Technology Innovation University, Andhra Pradesh, India
S Venkata Achuta Rao, Data Science Research Laboratories, Sree Dattha Institute of Engineering & Science, Telangana -501 510, India**ID 312 LoRA-Adapted DeiT for Parameter-Efficient Colorectal Histopathology Classification**Ambati Prakashini, Research Scholar, Department of Computer Science and Engineering, Bharatiya Engineering, Science & Technology Innovation University, Ananthapur, Andhra Pradesh, India
Hari Krishna Bommala, Department of Computer Science and Engineering, KG Reddy College of Engineering and Technology, Hyderabad, Telangana, India**ID 206 Machine Learning Prediction of FKM Seal Stress-Strain Behaviour: Specimen-Level Validation and Cross-Domain Generalization**

Piyush Kumar Gupta, Asfia Aziz, Kusum Mehta, Sultana Parween, Mohd Shadab Alam, Safia Ahmad, Sumeet Kumar and Sheikh Ambiya, Department of Computer Science and Engineering, School of Engineering Sciences and Technology, Jamia Hamdard, New Delhi – 110062, India

ID 297 MS-EGTFormer: A Multi-Scale Edge-Aware Graph-Temporal Transformer for Network Intrusion DetectionG. Nagaleela, Research Scholar, Bharatiya Engineering Science and Technology Innovation University, Anantapur, Andhra Pradesh-515731, India
X S Asha Shiny, Professor, Department of CSE-AIML CMR Engineering College Hyderabad, Andhra Pradesh, India

Virtual - Day 2 (Friday, November 6)

November 6, 2026 (Friday) - Session: 8:00 – 10:00**8:00 – 10:00, Friday****Virtual Zoom Room A**Session Chair: M. N. Vijaya Kumar, Department of Industrial Engineering and Management RV College of Engineering, Bengaluru, Karnataka, India
Zoom Host: Don Reimer, IEOM USA**Artificial Intelligence and Data Science****ID 48 Artificial Intelligence its Elements and Impact on Present and Future Process Automation**

Steadyman Chikumba, Senior Lecturer, University of South Africa, Florida, Johannesburg, South Africa

ID 20 Artificial Intelligence, Labour Productivity, and Workforce Transformation in India: A Sectoral and Econometric AssessmentAtharv Shaha, Department of Industrial Engineering and Management RV College of Engineering, Bengaluru, Karnataka, India
M. N. Vijaya Kumar, Department of Industrial Engineering and Management RV College of Engineering, Bengaluru, Karnataka, India**ID 205 Artificial Intelligence: Revolutionizing Cyber Security in the Digital Era World**Qamar Ahmed, PhD Computer Science and Engineering Scholar, Bharatiya Engineering Science and Technology Innovation University, India
X S Asha Shiny, Professor, Department of CSE-AIML CMR Engineering College Hyderabad, India**ID 17 Artificial Intelligence-Driven Brain Tumor Detection and Classification: A Systematic Review of Deep Learning, Attention Mechanisms, and Explainable AI Approaches**Nikky Gupta, Research Scholar, Department of Computer Science and Engineering, Alliance University, Bengaluru, Karnataka 562106, India
Akey Sungheetha, Associate Professor, Department of Computer Science and Engineering, Alliance University, Bengaluru, Karnataka 562106, India**ID 129 Automated Real-Time Prediction and Diagnosis of Heart Disease Using IoT and Machine Learning**

Agha Salman Haider, Nida Fatima, Rich Suneja, Suhail Salik Siddiqui and Alina Mujeeb, Department of CSE, School of Engineering Sciences and Technology, Jamia Hamdard University, New Delhi, India

ID 92 Beyond Stigma: Consumer Vulnerability in Feminine Hygiene ProductsDipojwal Ghosh, Practice Partner, Data Science, Wipro Technologies, Kolkata, India
Swagato Chatterjee, Senior Lecturer in Digital Marketing & Analytics, Joint Programme Director of M.Sc. Marketing and Digital Analytics
Queen's Mary College, University of London, UK**ID 300 Compression-Robust Proactive Protection of Facial Images Against Deepfake and Face-Swap Misuse**

Nanda Krishna P, KPR Institute of Engineering and Technology, Tamil Nadu, India

November 6, 2026 (Friday) - Session: 8:00 – 10:00

8:00 – 10:00, Friday**Virtual Zoom Room B**Session Chair: Umaira Shahneen, Research Scholar, Sharnbasva University, Kalaburagi, India
Zoom Host: Jessica Lima Chavez, IEOM Mexico**Human Factors and Ergonomics Competition**

ID 284 Computer-Vision-Based Automated Ergonomic Checklist Scoring and Posture Assessment for Workplace Safety Optimization

Syeda Afeefa Fatima, Student, PDA College of Engineering, Kalaburagi, India
 Syeda Midhath Javeria, Student, Ballari Institute of Technology & Management, Ballari, India
 Umaira Shahneen, Research Scholar, Sharnbasva University, Kalaburagi, India
 S.M. Hasanuddin, Student, Methodist College of Engineering and Technology, Hyderabad, India
 Saheba Aijaz, Student, Stanley College of Engineering and Technology for Women, Hyderabad, India
 Qutubuddin Syed Mohammed, Professor, Industrial & Production Engineering, PDA College of Engineering, Kalaburagi, India

ID 273 SkinSense AI – Skin Disease Detection and Care Assistant

Tirupati M Gosukula, Associate Professor, Department of Electronics and Telecommunication, Anjuman College of Engineering and Technology Nagpur, Maharashtra, India
 Rajeshwari S Rampure, M. Tech Student, Department of Electronics and Communication, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

ID 27 The 2026 Middle East Energy Crisis: Systemic Disruption, Chokepoint Paralysis, and the Weaponization of the Strait of Hormuz

Roshni Sanjay, Department of Industrial Engineering and Management, R.V. College of Engineering, Bengaluru, India
 Vidhaan Jain, Department of Industrial Engineering and Management, R.V. College of Engineering, Bengaluru, India

ID 391 Deep Learning for Bicycle Ergonomics Assessment from Noisy Pose Keypoints: A Controlled Simulation Study

Niaz A. Salam, Research Scholar, A.P.J. Abdul Kalam Technological University, Department of Mechanical Engineering, College of Engineering Trivandrum, Thiruvananthapuram-695016, Kerala, India
 S. A. Binoosh, Professor, Department of Mechanical Engineering, College of Engineering Trivandrum, Thiruvananthapuram-695016, Kerala, India

ID 422 Applying Lean Six Sigma to Process Improvement in a Public Hospital Outpatient Department in Thailand

Suphankanlaya Kaiyatha, Student, Program in Industrial Engineering, Department of Industrial Engineering, Faculty of Engineering, Chiang Mai University, Chiang Mai, Thailand
 Rungchat Chompu-inwai, Department of Industrial Engineering, Faculty of Engineering, Chiang Mai University, Chiang Mai, Thailand

November 6, 2026 (Friday) - Session: 10:00 – 12:00**10:00 – 12:00, Friday****Virtual Zoom Room A**

Session Chair: Katta Subramanya Sai Teja, BESTIU, Gorantla, Satya Sai, Andhra Pradesh, India
 Zoom Host: Dr. Mizanur, IEOM Sydney

Master Thesis Competition**ID 136 AI-Driven Precision Farming for Crop Health Assessment and Resource Management**

Tirupati M Gosukula, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India
 Sakshi Ganesh Lade, M. Tech. Student, Department of Electronics and Communication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

ID 122 Faunistic Diversity and Taxonomic Studies of Syrphid Flies in Different Agro-Ecosystems

Katta Subramanya Sai Teja, Department of Entomology, College of Agriculture & Applied Research, Bharatiya Engineering Science & Technology Innovation University, Gorantla, Satya Sai, Andhra Pradesh, India

ID 323 Hedging Efficiency and Price Discovery in Indian Cotton Futures: Implications for Farmer Producer Organisation (FPO) Market Linkages

Sindhu S, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India

ID 382 Impact of Foreign Direct Investment and on Emerging Economies: A Comparative Analysis of India, China and Brazil, 2015–2025

Bharath Kumar B S, MBA Student (Finance and Business Analytics), Department of Management Studies, Faculty of Management and Commerce, Ramaiah University of Applied Sciences, New BEL Road, M S R Nagar, Mathikere, Bengaluru, Karnataka 560054, India
 Chandrakala D P, Research Supervisor, Department of Management Studies, Faculty of Management and Commerce, Ramaiah University of Applied Sciences, New BEL Road, M S R Nagar, Mathikere, Bengaluru, Karnataka 560054, India

ID 384 AI Adoption and Trading Performance Analysis: Study on Retail Futures and Options Traders of Karnataka

Harshith M A and Chandrakala D P, MS Ramaiah University of Applied Science, India

November 6, 2026 (Friday) - Session: 10:00 – 12:00**10:00 – 12:00, Friday****Virtual Zoom Room B**

Session Chair: Jessica Lima Chavez, IEOM Mexico

Senior Design Project / FYP Competition**ID 146 Autonomous Vacuum Robot**

Ruhina Quazi, Department of HOD, Department of Electronics and Telecommunication, Anjuman College of Engineering & Technology,

Nagpur Maharashtra, India

Prem. L. Bamnele, Department of Electronics and Telecommunication, Anjuman College of Engineering & Technology, Nagpur Maharashtra, India

ID 134 Plant Disease Detection System Using Lightweight Deep Learning Model

Mohammad Nasiruddin, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

Gayatri Ravindra Bajirao, M.Tech. Student, Department of Electronics and Communication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

ID 437 WildConnect: A Centralized Digital Platform for Wildlife Tourism Planning and Management

Imteyaz Shahzad, Sheikh Shumail Yunus, Parth Nirmalchandra Gautam, Ayush Sunil Lawatre, Aryan Ravindra Motghare and Shubham Chandrabahadur Yadav, Department of Computer Science and Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

Simulation Competition

ID 135 A Multi-Level Prediction Framework of Driving Behavior Using Machine Learning: A Systematic Literature Review

A.S. Khan, Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering & Technology, Nagpur, Maharashtra, India

Vaidehi Kuldiwar, M. TECH Student, Department of Electronics and Communication Engineering, Anjuman College of Engineering & Technology, Nagpur, Maharashtra, India

ID 143 Retinal Disease Detection for Diabetic Retinopathy Screening Using Image Processing

Ruhina Quazi, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

Mr. Vinay Eknath Koche, M. Tech Student, Department of Electronics and Communication Engineering, Anjuman College of Engineering & Technology, Nagpur, Maharashtra, India

November 6, 2026 (Friday) - Session: 12:00 – 14:00

12:00 – 14:00, Friday

Virtual Zoom Room A

Session Chair: Dr. Mizanur, IEOM Sydney

Supply Chain and Logistics Competition sponsored by aThingz

ID 53 A Logistics Management Model to Improve Inventory Turnover Using Holt-Winters, Inventory Policies, and Good Warehouse Practices in a Seasonal Products Import Company

Nayeli Nicol Angel-Rivas, Fiorella Castillo-Chavarry, Jorge Antonio Corzo-Chavez and Javier M. Castillo-Tejada, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Peru

ID 26 The Red Sea Crisis and Its Impact on Global Supply Chains and the World Economy

Vijeth Poojari, Dept. of Industrial Engg. & Mgmt., RV College of Engineering, Bangalore, India

Vijay Kumar M D, Dept. of Industrial Engg. & Mgmt., RV College of Engineering, Bangalore, India

M N Vijayakumar, Dept. of Industrial Engg. & Mgmt., RV College of Engineering, Bangalore, India

Lean Six Sigma Competition

ID 139 Intelligent Smart Healthcare Using Genomic Data for Heart Disease Detection

Sanjay Ganar, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

Sukeshni Ghanshyam Bhagat, M. Tech. Student, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

Global Design Competition

ID 132 A Multi-Model Machine Learning Framework for Classifying Crimeware-As-A-Service Offerings

Syed Mohommad Ali, Associate Professor, Department of Electronics & Telecommunication Engineering, Anjuman College of Engineering & Technology, Nagpur, Maharashtra, India

Ms. Aksa Khan, M.Tech. Student, Department of Electronics & Communication Engineering, Anjuman College of Engineering & Technology Nagpur, Maharashtra, India

ID 141 Cyber Attack Detection and Prevention in Network Traffic Using Artificial Intelligence

Ahmed Sajjad Khan, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

Mr. Abhishek Umesh Raut, M. Tech Student, Department of Electronics and Communication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

Poster Competition

ID 28 Economic Analysis of Electric Vehicle Charging Stations: A Financial Feasibility Study Using Python-Based Decision Support System for Bengaluru, India

G M Bindu, Dept. of Industrial Engg. & Mgmt., RV College of Engineering, Bangalore, India
 Anuradha E, Dept. of Industrial Engg. & Mgmt., RV College of Engineering, Bangalore, India
 M N Vijayakumar, Dept. of Industrial Engg. & Mgmt., RV College of Engineering, Bangalore, India

ID 131 Satellite-Based Assessment of Urban Light Pollution and Estimation of Energy Waste and Carbon Footprint

Mohammad Nasiruddin, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India
 Tanmayee Gopichand Gedam, M.Tech. Student, Department of Electronics and Communication Engineering, Anjuman College of Engineering and Technology, Nagpur, Maharashtra, India

November 6, 2026 (Friday) - Session: 12:00 – 14:00

12:00 – 14:00, Friday

Virtual Zoom Room B

Session Chair: Chandrakala DP, Faculty of Management & Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Zoom Host: Aqib Islam, IEOM Bangladesh

Engineering Management and Project Management

ID 392 Contractual Risks, Coordination Failures and the Firm-Level Impacts of Construction Delays in Saudi Arabia

Aminu Ahmad Aminu, Shamsuddin Ahmed and Yazeed Abdullah Alahmadi, Faculty of Engineering, Department of Industrial Engineering, Islamic University of Madinah, 42351, Kingdom of Saudi Arabia

ID 412 Empirical Assessment of Construction Risk Factors and Their Multi-Dimensional Impacts on Project Objectives in Madinah

Shamsuddin Ahmed, Alaa Alahmadi, Aminu Ahmad Aminu and Abdullahi Ahmed Mohamud, Department of Industrial Engineering, Islamic University of Madinah, Madinah, Kingdom of Saudi Arabia

ID 385 Impact of Financial Influencers (Finfluencers) on Retail Investors' Trading Decisions: An Empirical Study

Vishal Gowda SV and Chandrakala DP, Faculty of Management & Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India

ID 419 Adoption barriers and opportunities for enhancing construction site safety through digital driving system monitoring

GB Sondake, LG Mollo and FA Emuze, Department of Built Environment, Central University of Technology, Free State, South Africa

November 6, 2026 (Friday) - Session: 14:00 – 16:00

14:00 – 16:00, Friday

Virtual Zoom Room A

Session Chair: Atul Kumar Jaiswal, Department of Computer Science and Engineering, Jamia Hamdard, New Delhi, India
 Zoom Host: Ms. Thaba, IEOM South Africa

Artificial Intelligence and Data Science

ID 107 Explainable and Lightweight AI-Based Intrusion Detection for DoS and DDoS Attacks - A Compact Review

Sasikala Devireddy, Assistant Professor, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Bengaluru, Karnataka, India
 Venkata Ramana Motupalli, Associate Professor, HOD of AI&DS, Annamacharya Institute of Technology and Science, Kadapa, India

ID 123 Explainable Machine Learning-Based Network Intrusion Detection: A Comparative Evaluation of Performance, Efficiency, and Interpretability

Rehan Saeed Khan, Saoud Sarwar, Mohd Mubashshir Hasan Farooqi, Abuzar Ghaffari, Afzal Ahmad, Sabahat Ali Khan, Mohammad Sufian Badar and Atul Kumar Jaiswal, Department of Computer Science and Engineering, Jamia Hamdard, New Delhi, India

ID 336 Fingerprint-Based Person Identification Using Image Processing Techniques

Madhura Shenolkar, Shreya Gore, Rasika Pagare, Snehal Chavan, MIT World Peace University, Pune, Maharashtra, India

ID 317 Fluent Is Not Feasible: Domain-Specific Operational Intelligence for Trustworthy AI in Operations

Prakash Bhaskar Acharya, Independent Researcher, Texas, USA
 Spurthi Tallam and Hemanth Kumar Kolluru, Independent Researchers, New Jersey, USA
 Nijansh Verma, Independent Researcher, California, USA

ID 126 Food assessment quality to prevent health implications using hybrid learning

Sumera Jabeen, Computer Science and Engineering, Bharatiya Engineering Science & Technology Innovation University, Andhra Pradesh, India
 S Venkata Achuta Rao, Data Science Research Laboratories, Sree Dattha Institute of Engineering & Science, Telangana -501 510, India

ID 335 Fraud Detection in Cryptocurrency Transactions: A Machine Learning-Based Risk Assessment Approach

Patil Dattathreya and Shilpa R G, Department of Management Studies, Faculty of Management and Commerce M S Ramaiah University of Applied Sciences, Bengaluru, India

ID 318 Governance of Enterprise AI Agents for Operational Excellence A Lifecycle and Decision Rights Framework

Sanjeeve Kumar Gajadi, Lead Consultant and SAP Enterprise Architect, HCL Technologies Limited, Bengaluru, Karnataka, India

November 6, 2026 (Friday) - Session: 14:00 – 16:00**14:00 – 16:00, Friday****Virtual Zoom Room B**

Session Chair: Aanya Rachel Vinu, Delhi University, India
 Zoom Host: Aqib Islam, IEOM Bangladesh

Case Studies and Best Practices**ID 378 Examining Consumer Behaviour Towards Smartphone Ecosystems in India: The Role of Consumer Decision Dilemma and Perceived Lock-In**

Rajat G. Patil, MBA Student, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Rashmi R, Supervisor & Assistant Professor, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Dr Ajay R, Ms. Annette Nikita and Renee Namratha, Assistant Professor, Faculty of Management and Commerce Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India

ID 383 Tax Revenue, Social Expenditure, and Welfare: A Comparative Study of India, the UK, and China

Vikas M C, MBA (FT-2024) and Ms. Chandrakala D P, MS Ramaiah University of Applied Sciences, India

ID 423 When the Self Feels Threatened: Devaluation Responses in Vulnerable Narcissism, A Case Study

Aanya Rachel Vinu, Delhi University, India

November 6, 2026 (Friday) - Session: 16:00 – 18:00**16:00 – 18:00, Friday****Virtual Zoom Room A**

Session Chair: V. Bhagya Lakshmi, BEST Innovation University, Kammalawandlapalli, Best innovation university, Andhra Pradesh, India
 Zoom Host: Ms. Thaba, IEOM South Africa

Engineering Education and Curriculum Improvement**ID 95 Artificial Intelligence and the Future of English Language Education: From Traditional Learning to Intelligent Learning**

V. Chandini Banu, Assistant Professor of English, School of Engineering and Applied Technology (SEAT), Bharathiya Engineering, Science and Technology Innovation University (BESTIU), Gownivaripalli-515231, Andhra Pradesh, India

ID 310 The Study of Mechanical Characteristics of Tamarind Seeds Reinforced Composites

Naga Ramya Krishna, Bharatiya Engineering Science and Technology Innovation University, Gorantla, Andhra Pradesh, India

ID 81 Unsteady Viscoelastic Free Convection Boundary Layer Flow Past A Vertical Cone with Uniform Heat and Mass Flux

V. Bhagya Lakshmi, BEST Innovation University, Kammalawandlapalli-515231, Best innovation university, Andhra Pradesh, India

Business Management and Operations Management**ID 376 Determinants of Consumer Satisfaction Towards Online Sports Ground Booking Applications in India**

Chandranath Bouri, MBA Student, Marketing & Human Resource, Faculty of Management and Commerce, M.S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Mr. Manisankar Dutta, Faculty of Management and Commerce, M.S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India

ID 379 A Study on Exploring Consumer Switching Behaviour in Quick Commerce Applications: Evidence from Blinkit

Ganesh M S, MBA Student, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Rashmi R, Supervisor & Assistant Professor, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Dr Ajay R and Manjunatha Babu BN, Assistant Professor, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences Bengaluru, Karnataka, India

ID 393 Understanding Small and Medium-Sized Enterprise Failure in the Start-Up Phase: A Systematic Literature Review Toward an Integrated Theoretical Framework of Risk Governance

Abdullahi Ahmed Mohamud, Shamsuddin Ahmed and Aminu Ahmad Aminu, Department of Industrial Engineering, Faculty of Engineering, Islamic University of Madinah, Madinah 42351, Kingdom of Saudi Arabia

November 6, 2026 (Friday) - Session: 16:00 – 18:00**16:00 – 18:00, Friday****Virtual Zoom Room B**

Session Chair: M Aravind Kumar, Principal, West Godavari Institute of Science and Engineering, Tadepalligudem, India
 Zoom Host: Siyam Hasan, IEOM Bangladesh

Artificial Intelligence and Data Science

ID 377 CAMPUS VOICE: An AI-Powered Unified Digital Campus Platform for Student Services, Placement Preparation, and Personalized Learning

R. Shashi Kumar, L. Bala Trishanth, M. Rohith Aashray and M. G. Achyuthananda, Department of Computer Science and Engineering in AI/ML, Hyderabad Institute of Technology and Management (HITAM), Hyderabad, Telangana, India

ID 389 TwinGuard-SDN: A Risk-Adaptive Digital Twin and Explainable AI Framework for Closed-Loop Intrusion Detection and Mitigation in Software-Defined Networks

Srinivas M, Ph.D. Research Scholar, Department of Computer Science, Bharatiya Engineering Science & Technology Innovation University-BESTIU Gownivaripalli, Gorantla Mandal, Sri Sathya Sai District (formerly Anantapur district), Andhra Pradesh, India – 515231 and Assistant Professor Department of Computer Science, Government Women's Degree College Kosgi, Telangana, India
SK. Mahaboob Basha, Professor & HOD, Dept. Of CSE, Sree Dattha Institute of Engineering and Science, Hyderabad, India

ID 424 Digital Twins for Disaster Management: Mapping Research Trends, Intellectual Structure, and Future Directions

Abid Haleem, Mohd Javaid and Jahangir, Department of Mechanical Engineering, Jamia Millia Islamia, New Delhi- 110025, India
Qutubuddin S.M., Industrial and Production Engineering Department, PDA College of Engineering, Kalaburagi, India

Automation, Robotics and Autonomous Systems

ID 396 Sensor Fusion and Deep Learning for Real-Time UAV Detection, Tracking, and Safe Autonomous Interception: A Proposed Framework and Preliminary Results

Gelli Ram Sundee, Research Scholar (Part-Time), Department of Electronics and Communication Engineering, B.E.S.T Innovation University Gorantla, India

M Aravind Kumar, Principal, West Godavari Institute of Science and Engineering, Tadepalligudem, India

ID 397 Closed-Loop Autonomous Weed Management Using UAV-Based AI Detection, Precision Spraying and Post-Treatment Verification in Almond and Pistachio Orchards

Shah Mohd Aliuddin, PhD Research Scholar, Electronics and Communication Engineering, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Telangana, India

M. Aravind Kumar, Principal & Professor, Department of Electronics and Communication Engineering, West Godavari Institute of Science and Engineering, Andhra Pradesh, India

November 6, 2026 (Friday) - Session: 18:00 – 20:00

18:00 – 20:00, Saturday**Virtual Zoom Room A**

Session Chair: Vinod Dhamodaran Menon, Bhartiya Engineering Science & Technology Innovation University (BESTIU), Andhra Pradesh, India
Zoom Host: Dr. Nazrul, IEOM Canada

Business Management and Operations Management

ID 341 From Vicious to Virtuous cycles: Unravelling how Organisations Navigate Paradoxical Tensions

Yachika Kumari and Susmita Mukhopadhyay, Indian Institute of Technology, Kharagpur, West Bengal, India

ID 24 Geopolitical Shocks, Gold, and Bitcoin

Likith K S, Dept. of Industrial Engineering Management, RV College of Engineering Bengaluru, India

Yuv Khatri, Dept. of Industrial Engineering Management, RV College of Engineering Bengaluru, India

M. N. Vijayakumar (Guide) Associate Professor, IEM Dept., RV College of Engineering Bengaluru, India

ID 280 Impact of Employee Stock Option Plans on Corporate Innovation: Evidence from Indian Listed Firms

Satyabrata Malik, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302, India

Chandra Sekhar Mishra, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302, India

Prabina Rajib, Birla Institute of Management Technology, Greater Noida, UP, 201306, India

ID 99 Occupational Feminisation, Labour Under-Utilisation and Job Quality: Evidence from India, 2004-2023

Angela Sarkar, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal 721302, India

ID 345 Optimizing Inventory Management Practices for Operational Efficiency at SGI Automotive Pvt. Ltd., Chennai

Vaishnavi. A, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, India

ID 271 Target Firm Earnings Management and Acquisition Premium: Does Relationship Matter?

Sandeep Kumar Sahoo, Research Scholar, Vinod Gupta School of Management, IIT Kharagpur, West Bengal-721302, India

Chandra Sekhar Mishra, Professor, Vinod Gupta School of Management, IIT Kharagpur, West Bengal-721302, India

Prabina Rajib, Professor, Vinod Gupta School of Management, IIT Kharagpur, West Bengal-721302, India

ID 11 The Strategic Importance of Technical Debt Reporting

Vinod Dhamodaran Menon, Research Scholar, Bhartiya Engineering Science & Technology Innovation University (BESTIU), Andhra Pradesh, India

ID 327 Understanding Webrooming Behaviour among Consumers in Bangalore: An S-O-R Perspective

Bhoomika Prasanna, Department of Management Studies, MS. Ramaiah University of Applied Sciences, MBA in Marketing Management, Karnataka India

November 6, 2026 (Friday) - Session: 18:00 – 20:00**18:00 – 20:00, Saturday****Virtual Zoom Room B**

Session Chair: Manisankar Dutta, M. S. Ramaiah University of Applied Sciences, Bengaluru, India
 Zoom Host: Siyam Hasan, IEOM Bangladesh

Sustainability, Green Systems and Energy**ID 355 Influence of Social Media Marketing on Consumers' Purchase Decisions Regarding Sports Shoes**

Aritro Saha, MBA, Department of Management Studies, M. S. Ramaiah University of Applied Sciences, Bengaluru – 560 054, India
 Manisankar Dutta, Ms Ramaiah University, West Bengal, India

ID 386 Transition from Petrol to Electric Vehicles in Southern India: Consumer Drivers, Supply Chain Considerations and Sustainable Development Goals

Vanishree K, Hridima M V, Adhul Anil, Aryan V, Hiranya Vinod, Govind Moolayil, Mohammed Arif, Adwaith Muralidhara Prasad, Kruthan N K, Chirayu R Gowda and Saeed Mahroof, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, India

ID 387 A Review of Life Cycle Assessment of Green Hydrogen Microgrids: Modelling Approaches, Environmental Hotspots and Research Gaps

Lorreta Dube, Department of Industrial Engineering Stellenbosch University Stellenbosch, South Africa
 Stephen Matope, Department of Industrial Engineering Stellenbosch University Stellenbosch, South Africa
 Blessed Sarema, School of Mechanical, Industrial and Aeronautical Engineering, University of the Witwatersrand, Johannesburg, South Africa

November 6, 2026 (F20day) - Session: 20:00 – 22:00**20:00 – 22:00, Saturday****Virtual Zoom Room A**

Session Chair: Kadaganchi Sudhakar, Bharatiya Engineering Science and Technology Innovation University, Andhra Pradesh, India
 Zoom Host: Dr. Nazrul, IEOM Canada

AI**ID 103 "Individual Investors" Perceptions towards AI-Driven Portfolio Management Platforms: An Empirical Study from South India**

Deepika k., Research scholar, School of Management, BESTIU, AP (*Assistant professor, Department Of MBA, Brindavan College of Engineering Bangalore), India
 S Nayamath Basha, Research Supervisor, School of Management, BESTIU, AP (**Associate professor, Department Of MBA, CMR Technical Campus, Hyderabad), Karnataka, India

ID 188 A Class-Balanced Multimodal Explainable Deep Learning Framework Fusing Dermoscopic Images and Clinical Metadata for Interpretable Skin Disease Classification

Sheikh Shirin Fatima, Computer Science and Engineering, Bharatiya Engineering Science & Technology Innovation University, Andhra Pradesh, India
 J R V Jeny, CSE (Artificial Intelligence & Machine Learning), Vignan Institute of Technology and Science, Hyderabad, India

ID 163 A Deep Learning-Driven Hybrid Classification Framework for Intelligent Crop Recommendation

Bandi Krishna, Associate Professor, Department of Computer Science and Engineering, BITS, Warangal, Telangana, India
 Kadaganchi Sudhakar, Ph.D. Scholar, Computer Science and Engineering, Bharatiya Engineering Science and Technology Innovation University, Andhra Pradesh, India

ID 128 A Drift-Resilient and Imbalance-Aware Adaptive Attention Fusion Framework for Multimodal Gas Leak Detection Under Overlapping Gas Conditions

Shahabaz Bequm, Computer Science and Engineering, Bharatiya Engineering Science & Technology Innovation University, Andhra Pradesh, India
 S Venkata Achuta Rao, Data Science Research Laboratories, Sree Dattha Institute of Engineering & Science, Telangana -501 510, India

ID 164 A Literature Review of Cardiovascular Disease Prediction Using Deep Learning Techniques

Aqela Nawaz Qureshi, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Gorantla, Andhra Pradesh, India
 Shaik Mahaboob Basha, Professor, Sree Dattha Institute of Engineering and Science, Sheriguda, Hyderabad, Telangana, India

ID 127 A Multimodal Hybrid ResNet Framework Integrating Image and Environmental Sensor Fusion for Multi-Class, Severity-Graded Food Quality Assessment Across Diverse Food Categories

Sumera Jabeen, Computer Science and Engineering, Bharatiya Engineering Science & Technology Innovation University, Andhra Pradesh, India
 S Venkata Achuta Rao, Data Science Research Laboratories, Sree Dattha Institute of Engineering & Science, Telangana -501 510, India

ID 144 A Practical Explainable AI Framework for Ethical Detection of Migrants' Mental Health Risks

Rufina Hussain, Safdar Tanweer and Sherin Zafar, Department of Computer Science and Engineering, School of Engineering Sciences & Technology, Jamia Hamdard, New Delhi, India

November 6, 2026 (F20day) - Session: 20:00 – 22:00

20:00 – 22:00, Saturday**Virtual Zoom Room B**

Session Chair: Nandish Pati, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Andhra Pradesh, India
 Zoom Host: Synthia Adams, IEOM Michigan

Digital Manufacturing, Industry 4.0 and IoT

ID 415 Conceptualising Operational Visibility in Digital Manufacturing: A Structured Literature Review and Research Framework

V. Karthik, Research Scholar, Faculty of Management, SRM Institute of Science and Technology (SRM IST), Kattankulathur, Tamil Nadu, India
 S. Dhivya Devi, Assistant Professor, Faculty of Management, SRM Institute of Science and Technology (SRM IST), Kattankulathur, Tamil Nadu, India

Vani Haridasan, Associate Professor, Department of Management Studies, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Tamil Nadu, India

Case Studies and Best Practices

ID 303 Application of Lean Manufacturing to Improve Productivity in an SME Manufacturing Industrial Covers

Nayeli Shakira Montesinos Castro, Dora Geraldine Vasquez Torres, Edilberto Miguel Ávalos Ortecho and Jose Antonio Taquia Gutierrez, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Perú

ID 304 Digital Platforms and Their Role in Improving English Communication Skills In Indian Classrooms Education A Multimodal, Learning-Analytics and Explainable Framework for Evidence-Based Classroom Integration

B.S. Padma Kumari, Ph. D Research Scholar, Department of English-(H&S), Bharatiya Engineering Science & Technology Innovation University- BESTIU, Gownivaripalli, Gorantla Mandal, Sri Sathya Sai District (formerly Anantapur district), Andhra Pradesh, India
 Assistant Professor, Department of English-(H&S), Brilliant Institute of Engineering and Technology, Ramoji Film City Abdullahpurmet, Near, Abdullapur, Hyderabad, Telangana

Bala Tripura Sundari D. S., Assistant Professor, Department of English, (H&S), Guru Nanak Institute of Technology, Ibrahimpatnam, Ranga Reddy Dist, Hyderabad, Telangana, India

ID 302 Economic Assessment of Livestock Production Under Kuwait's Environmental Conditions

Bashayer Dashi, Kuwait Institute for Scientific Research, Kuwait

ID 117 Hydrogels in Agriculture: A Promising Approach for Water Conservation and Sustainable Crop Production

Chakravarthy Thejesh, Suresh Babu and Nandish Pati, Assistant Professor, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Gownivaripalli, Sri Sathya Sai District, Andhra Pradesh – 515231, India

Virtual - Day 3 (Saturday, November 7)

November 7, 2026 (Saturday) - Session: 8:00 – 10:00

8:00 – 10:00, Saturday**Virtual Zoom Room A**

Session Chair: B. Krishna, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Bengaluru, Karnataka, India
 Zoom Host: Don Reimer, IEOM USA

Artificial Intelligence and Data Science

ID 150 Distributed Fuzzy Clustering Techniques for Cancer Diagnosis with Protein Sequence Data

Nagaraju Rekulapelli, B E S T Innovation University: First Innovation University, Andhra Pradesh, India

ID 4 (Autonomous Resource Symbiosis: A Multi-Agent AI Framework for Real- Time Optimization of Energy–Water–Waste Systems in Smart Cities)

Nitesh Prajapati, Dept of Computer Science and Engineering, Babu Banarasi Das Northern India Institute of Technology, India

ID 325 Content-Based Image Search and Retrieval Using Color, Texture and Shape Features: A Comparative Performance Evaluation on the Corel-1000 Dataset

Kunjan Nandha, Trupti Sudake, Vignesh Kunjir, Utkarsha Chavan and Bhakti Magar, Department of Data Science and Analytics, MIT World Peace University, Pune, Maharashtra, India

Trupti Baraskar, Department of Data Science and Analytics, MIT World Peace University, Pune, Maharashtra, India

ID 162 Detecting System Level Failures in Programmatic Advertising through Multi Stage Anomaly Modeling

Sharique Jamal, Sahil Tripathi, Sameera Sadaf, Mir Saqlain Sajad and Govind Kumar, Department of Computer Science & Engineering School of Engineering Science and Technology, Jamia Hamdard, New Delhi, India

ID 171 Energy-Efficient Spiking Intelligence for Robust, Explainable, Fair, and Privacy-Preserving Nail Disease Classification

Ch. Pavani Reddy, Research scholar, Dept. of ECE, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Bengaluru, Karnataka, India

Krishnanaik Vankdoth, Professor, Dept. of ECE from Chaitanya Deemed to be University, Hyderabad, India

ID 16 Explainable AI and Agentic AI for Autonomous Crop Recommendation and Yield Prediction: A Systematic Review

Thamaraiselvi D, Research Scholar, Department of Computer Science and Engineering, Alliance University, Bengaluru, Karnataka, India

Akey Sungeetha, Associate Professor, Department of Computer Science and Engineering, Alliance University, Bengaluru, Karnataka, India

ID 80 Explainable AI-Based Multi-Modal Fraud Detection and Continuous Authentication. A Comprehensive Survey

Sreenivasulu V G, Research Scholar, Department of Computer Science and Engineering, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Bengaluru, Karnataka, India
 B. Krishna, Ph.D., Research Guide, Department of Computer Science and Engineering, Bharatiya Engineering, Science & Technology Innovation University (BESTIU), Bengaluru, Karnataka, India

November 7, 2026 (Saturday) - Session: 10:00 – 12:00**10:00 – 12:00, Saturday****Virtual Zoom Room A**

Session Chair: Rashmi R, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Zoom Host: Dr. Mizanur, IEOM Sydney

Business Management and Operations Management**ID 277 Audit Committee Independence and the Heterogeneity of Related Party Transactions: Evidence from Indian Listed Firms**

Mr. Manoranjan Panda, Research Scholar, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, West Bengal, India
 Abhijeet Chandra, Associate Professor, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, West Bengal, India

ID 73 A Critical Assessment of GST-Induced Tax Difficulties Confronting Micro, Small and Medium Enterprises in Ludhiana, Punjab

Harguneet Singh, Guru Nanak International Public School, Punjab, India

ID 12 Causal Agentic Large Supply Chain Model with Autonomous Economic Agents and Neuro-Symbolic Reasoning for Self-Evolving Logistics Network Optimization

Manish Gupta, Research Scholar, Lincoln University College, Petaling Jaya, Malaysia
 Oyyappan Duraipandi, Professor, Faculty of Business and Accountancy, Lincoln University College, Petaling Jaya, Malaysia
 Kesava Reddy Chirra, Dean of Academic Affairs, University of Emerging Technologies, CA, USA

ID 286 Descriptive study on Indian Real Estate Market

Nagaraj Kinnal, NIT Warangal, Karnataka, India

ID 358 Designing the Third Place: Examining the Influence of Cafe Atmospherics on Third-Place Experience, Customer Engagement, and Customer Loyalty among Generation Z in Bangalore

Ashwin A S, MBA Student, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Rashmi R, Supervisor & Assistant Professor, Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India
 Sandhya Anilkumar, Sheeba Samuel and Manjunatha Babu BN, Faculty of Hospitality and Catering Technology, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India

ID 301 From Reactive Recovery to Proactive Value Creation: An Early Intervention POD Framework for Transforming Governance and Operational Performance in Large-Scale Service Delivery Programs

Pew Pal, Infosys, Telangana, India

ID 86 Explaining Continuance in Online Learning Platforms: The Role of Product and Emotional Dissonance in Emerging Regions

Aditya Ranjan, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302, India
 Manisha, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302, India

ID 276 From Target to Acquirer: Determinants of India's Inward and Outward Cross-Border Mergers & Acquisitions (CBMA)

Priyanka Pati, Research scholar, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, West Bengal, India
 Chandra Sekhar Mishra, Associate Professor, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, West Bengal, India

November 7, 2026 (Saturday) - Session: 12:00 – 14:00**12:00 – 14:00, Saturday****Virtual Zoom Room A**

Session Chair: Dr. L P Singh, Dr B R Ambedkar National Institute of Technology Jalandhar, India
 Zoom Host: Dr. Mizanur, IEOM Sydney

Human Factors, Ergonomics and Healthcare Systems**ID 111 A Unified Patient-Centric Digital Healthcare Platform for Interconnecting Hospitals, Pharmacies and Laboratories Using a Unique Health Identifier**

Dhrudeepsinh A. Jadeja, Independent Researcher, Ahmedabad, India
 Nikul V. Tripathi, Undergraduate Researcher, K.B Raval College of Pharmacy, Gandhinagar, India

ID 142 AI-Based Lung Disease Prediction from Air Pollution Exposure Using Air Pollution and Respiratory Health Data

Syed Mohammad Ali, Associate Professor, Department of Electronics and Communication Engineering, Anjuman College of Engineering & Technology, Nagpur, MH, India
 Rakesh Prabhakar Dange, M. Tech Student, Department of Electronics and Communication Engineering, Anjuman College of Engineering & Technology, Nagpur, MH, India

ID 87 An Integrated AHP and House of Quality Approach for Prioritizing Quality of Work Life Factors Among Nurses

Shantanu Sen, Doctor of Philosophy, Department of Mechanical Engineering, Indian Institute of Technology, (Banaras Hindu University), Varanasi, Uttar Pradesh, India
 Cherian Samuel, Professor, NC Jain School of Decision Sciences & Engineering, Indian Institute of Technology, (Banaras Hindu University), Varanasi, Uttar Pradesh, India

ID 313 Awareness, Perceptions and Readiness of HR Professionals towards Generative AI Adoption in Healthcare Recruitment: A Qualitative Study of Hospitals in Kerala

Arjun Hari, M.B.A. student (Human Resource Management), Department of Management Studies, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru 560 054, India
 Annapurna Prakash, Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, Bengaluru 560 054, India

ID 175 Competitive Psychological Climate and Prosocial Behaviour Among LGBTQ+ Employees: The Mediating Role of Workplace Ostracism

Binita Bharti, PhD Scholar, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, India
 Susmita Mukhopadhyay, Associate Professor, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, India

ID 159 Wild Edible Plants for Global Food Safety and Security: Neglected Botanical Resources for a Resilient Food Future

A Anuradha, Research and Innovation Center, Department of Botany, (BESTU), Bhartiya Engineering Science and Technology Innovation University, Mandrol lake, Gownivaripalli, Gorantla Mandal, Sri Satya Sai Dist., Andhra Pradesh – 515231, India
 P Shivakumar Singh, Research and Innovation Center, Department of Botany, (BESTU), Bhartiya Engineering Science and Technology Innovation University, Mandrol lake, Gownivaripalli, Gorantla Mandal, Sri Satya Sai Dist., Andhra Pradesh – 515231, India.
 Department of Botany, Palamuru University, Mahabubnagar-509002, Telangana, India

ID 89 Effect of Patient Incivility on Quality of Worklife in Healthcare System

Kasturi Ghosh, Research Scholar, Amity Business School, Amity University Kolkata-700135, West Bengal, India
 Sanjib Biswas, Associate Professor, Amity Business School, Amity University Kolkata, 700135, West Bengal, India
 Soni Agrawal, Professor, International Management Institute Kolkata, 2/4C Judges Court Road, Alipore.Kolkata –700027, India, West Bengal, India
 Banhi Guha, Associate Professor, St. Xavier's University, Department of Management, Kolkata-700160, West Bengal, India

ID 197 PPG-Based Estimation of SpO2, Heart Rate, and Blood Glucose for Continuous Health Monitoring

Muzaffar Khan, Associate Professor, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur-440001, Maharashtra, India
 Chetan Barde, Sachin Kundhiya, Adil Ansari, Tahzeeb Khan and Saad Baig, Student, Department of Electronics and Telecommunication Engineering, Anjuman College of Engineering and Technology, Nagpur-440001, Maharashtra, India

November 7, 2026 (Saturday) - Session: 14:00 – 16:00**14:00 – 16:00, Saturday****Virtual Zoom Room A**

Session Chair: Abishek Karthigeyan, M. S. Ramaiah University of Applied Sciences, Bengaluru, India
 Zoom Host: Aqib Islam, IEOM Bangladesh

Supply Chain and Logistics**ID 91 A Bi-Level Mathematical Optimization and GIS Decision Support System for Sustainable Last-Mile Parcel Locker Networks in the Indian Urban Context**

Rushikesh Govindrao Wadje, Raihan S Basheer, Ron Sinoy, Mohammed NV and Vinay V. Panicker, Department of Mechanical Engineering National Institute of Technology Calicut, Kozhikode, Kerala, India

ID 14 A Deep Tech Framework for Resilient Pharmaceutical Cold Chain Supply Networks in India Using Artificial Intelligence, Blockchain, and IoT

Nikul V. Tripathi, Independent Researcher, Gujarat, India

ID 32 Application of Systems and Contingency Theories in the Design of Modern Factory Monitoring Systems: An Industrial Management Perspective

Tejaskand G S, Siddhant Yadav and M. N. Vijayakumar, Department of Industrial Engineering and Management RV College of Engineering (RVCE), Bengaluru, India

ID 278 Cold Chain Management in India: Challenges, Innovations and Opportunities for Reducing Food and Pharmaceutical Waste

Sarvesh, PGDM Program, Jaipuria Institute of Management, Indore, Madhya Pradesh, India

ID 346 Demand Forecasting for Drugs in Healthcare Pharmacy Using Machine Learning Algorithms

Vijay Sai K, Vijay Sai K, Department of Mechanical Engineering, College of Engineering Trivandrum, APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala, India
 S A Binoosh, S A Binoosh, Department of Mechanical Engineering, College of Engineering Trivandrum, APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala, India

ID 156 Electric Vehicle Transition and Supply Chain Resilience: Challenges and opportunities for Indian Automotive Industry

Mohammed Azeem, Aligarh muslim university, Uyyar Pradesh, India

ID 347 Factors Influencing Customer Satisfaction Towards E-Commerce Logistics Services in India

Abishek Karthigeyan, MBA, M. S. Ramaiah University of Applied Sciences, Bengaluru, India

November 7, 2026 (Saturday) - Session: 16:00 – 18:00**16:00 – 18:00, Saturday****Virtual Zoom Room A**

Session Chair: Berat Sanem Altintop, Galatasaray University, Istanbul, Türkiye
 Zoom Host: Aqib Islam, IEOM Bangladesh

Sustainability, Green Systems and Energy**ID 101 Environmental, Social and Governance performance and firm risk: Evidence from India**

Alina Mohanty, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India
 Arun Kumar Misra, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India
 Abhijeet Chandra, Vinod Gupta School of Management, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India

ID 6 ESG Archetypes in Global Fashion Firms: A Data-Driven Cluster Analysis

Murat Levet Demircan and Berat Sanem Altintop, Galatasaray University, Istanbul, Türkiye

ID 115 Fusion Induced by Radioactive Ion Beams

M. Shariq Asnain, School of Engineering Sciences & Technology, Jamia Hamdard University, New Delhi-110062, India

ID 120 Maternal Ecocriticism as Environmental System: A Comparative Reading of Anita Desai's Fire on the Mountain and Vandana Shiva's Staying Alive

Subhashree Jena, Research PhD scholar in English Literature, Bharatiya Engineering school of Technology of Innovation University (BESTIU) Gownivaripalli, Gorantla, Andhra Pradesh, India

ID 43 Process Improvement Through Bottleneck Elimination in An Edible Oil Manufacturing Environment

Steadyman Chikumba, University of South Africa, Gauteng, South Africa

ID 121 Quantifying the Allelopathic Impact of Lantana Camara And Parthenium Hysterophorus Leaf Leachates on The Germination of Pongamia Pinnata and Samanea Saman Seeds Under Controlled Conditions

Singamayum Ashif, Assistant Professor, Department of Forestry (CASAR), Bharatiya Engineering Science & Technology Innovation University
 Suhail Bhatt, Associate Professor, Department of Forestry (CASAR), Bharatiya Engineering Science & Technology Innovation University
 Veerendra Koppala, UG Student, Department of Forestry (CASAR), Bharatiya Engineering Science & Technology Innovation University
 MM. Rifana Ajam, PhD Research Scholar, Division of Plant Pathology, faculty of Agriculture, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Wadura, Sopore, Kashmir

November 7, 2026 (Saturday) - Session: 18:00 – 20:00**18:00 – 20:00, Saturday****Virtual Zoom Room A**

Session Chair: Antonio Fernando Crepaldi, Teacher at University of São Paulo State, Bauro, São Paulo, Brazil
 Zoom Host: Dr. Nazrul, IEOM Canada

Quality, Reliability and Maintenance**ID 173 An Adaptive Cryptography-Based Authentication Mechanism for Enhancing Security and Availability in Wireless Networks against DDoS Attacks**

Syeda Farheen Fatima, Research Scholar of BEST Innovation University, India
 V. L. Padmalatha, Associate Professor, Data Science, Malla Reddy University, India

ID 350 Comparative Evaluation of Digital Reputation and Electronic Word-Of-Mouth: A Study of Leading Inbound Tour Operators in Kerala

Swaroop Suresh, Ramaiah University of Applied Science, Kerala, India

ID 49 Integrating Equipment Life Cycle Management and Plant Operating Cost Optimisation and Reliability Centred Maintenance

Steadyman Chikumba, Senior Lecturer, University of South Africa (UNISA), Florida, Johannesburg, South Africa

ID 178 Predictive Maintenance for Portfolios: A Statistical Process Control Inspired Spectral Entropy Approach

Debjoyti Bose and Mridul Singh Rajput, Industrial Engineering and Management Lab, National Institute of Technology Raipur, India

ID 342 Reliability-Constrained Stochastic Circular Supply Chain optimization: A case of Protective Textile Product

Ashutosh Mishra, Akshay Divedi and Pradeep Kumar, Mechanical and Industrial Engineering Department, Indian Institute of Technology Roorkee, Uttarakhand, 247667, India

ID 398 A Study of Quality Mindset Perception Among Auto Parts Supplier Using the Hypergeometric Graphics from Iramuteq Software

Anderson Belmiro Salvador, Student at University of São Paulo State, Guaratinguetá, São Paulo, Brazil
 Antonio Fernando Crepaldi, Teacher at University of São Paulo State, Bauro, São Paulo, Brazil

November 7, 2026 (Saturday) - Session: 20:00 – 22:00**20:00 – 22:00, Saturday****Virtual Zoom Room A**

Session Chair: Suhas N Raj, Department of Industrial Engineering & Management, Siddaganga Institute of Technology, Tumakuru, Karnataka, India

Zoom Host: Dr. Nazrul, IEOM Canada

Lean Six Sigma and Operations Excellence

ID 264 Lean Journey Excellence. A Governed Operating Model for Converting Improvement Opportunities into Measurable Value in a Multi-Service IT Delivery Environment

Srinivas Mahendrawada, Pew Pal, Rohit Chandrakant Jamdade, Phani Kiran Chilamkurthy and Kayalvizhi Murugesu Pandian, Infosys Limited., Telangana, India

ID 245 From Assessment to Action: A Lean-Driven Engineering Excellence Framework for Enterprise Service Transformation

KG Santhosh Kumar, Infosys Limited., Karnataka, India

ID 174 Improving Production Efficiency in Vertical Corrugated Board Manufacturing Using Lean Tools: An Industrial Case Study

Nattapong Weerarak, School of Industrial Engineering, Suranaree University of Technology, Nakhon Ratchasima 30000, Thailand
Jongkol Srithorn, School of Industrial Engineering, Suranaree University of Technology, Nakhon Ratchasima 30000, Thailand

ID 343 Integrating SWCT with SMED for Mould Changeover Optimization: A Case Study in Automotive Injection Moulding

Kavya B, Nanjundesh H S, Navyashree H V and Suhas N Raj, Department of Industrial Engineering & Management, Siddaganga Institute of Technology, Tumakuru, Karnataka, India

ID 226 Applying Lean Six Sigma and an Early Warning & Response Framework for Operational Excellence in a Multi-Tower Enterprise Service Environment: An SAP Case Study

Annapurna Devi Kambhampati, Rajkiran Parachand Chavan, Pew Pal and Ashish Devnani, Infosys Limited, India

ID 308 Lean-First Operational Excellence Framework for Automation and AI Transformation in Telecommunications IT Operations: A Case Study

Chandini Arjunan, Suman Bhattacharjee, Raman K and Pew Pal, Infosys Limited, India

ID 154 Managing Exam-Related Stress in Adolescents: A Lean Six Sigma DMAIC Approach

Shripuja Siddamsetty, B. A, M. A, M.SC, M.B.A. (Human Resources), M. Philosophy Clinical Psychologist, PhD Psychology Scholar, BEST Innovation University, Andhra Pradesh, India

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117. Siddaganga Institute of Technology, Tumakuru, Karnataka

Indonesia

118. Atma Jaya Catholic University
119. Bina Nusantara University (Binus), Indonesia
120. Institut Teknologi Bandung
121. Institut Teknologi Sepuluh Nopember (ITS)
122. Sampoerna University, Jakarta
123. Shipbuilding Institute of Polytechnic Surabaya
124. Tarumanagara University
125. UIN Sultan Syarif Kasim, Riau
126. Universitas Diponegoro (Undip)
127. Universitas Gadjah Mada (UGM)
128. Universitas Iqra Buru
129. UIN Sunan Kalijaga, Yogyakarta
130. Universitas Islam Negeri Alauddin Makassar
131. Universitas Sebelas Maret (UNS), Surakarta
132. University of Indonesia
133. Universitas Sumatera, Utara Medan
134. Narotama University, Surabaya
135. Universitas Pakuan, Bogor
136. Trilogi University
137. Universitas Muhammadiyah Riau
138. Universitas Muhammadiyah Palembang
139. Universitas Putera Batam, Kepulauan Riau

Ireland

140. Atlantic Technological University

Iran

141. MehrAstan University, Guilan
142. University of Eyvanekey
143. Technical and Vocational University (TVU)
144. University of Tehran

Iraq

145. Babylon University

Israel

146. Sapir Academic College
147. Shamoon College of Engineering (SCE), Ashdod

Italy

148. University of Bologna
149. University of Salento

Japan

150. Ashikaga University
151. Gunma University

Jordan

152. Hashemite University

Kenya

153. Kenyatta University, Nairobi

Kuwait

154. Gulf University of Science and Technology

Libya

155. Libyan Academy

Malaysia

156. Universiti Malaysia Sabah (UMS)
157. Universiti Putra Malaysia (UPM)
158. Universiti Teknologi Malaysia (UTM)
159. Universiti Tun Hussein Onn Malaysia (UTHM)
160. Universiti Utara Malaysia (UUM)
161. University of Malay (UM)

IEOM Student Chapters around the World

Mexico

162. Instituto Politécnico Nacional (IPN), Mexico
163. Universidad del Caribe, Cancun
164. Tecnológico de Monterrey, Campus Monterrey
165. Universidad Industrial de Santander
166. Universidad Iberoamericana
167. Universidad de Guanajuato
168. UJED, Mexico (#297)

Morocco

169. Akhawayn University
170. Ecole Mohammadia d'Ingénieurs (EMI)
171. Sidi Mohamed Ben Abdellah University of Fez
172. N. School of Appl Sci. Kenitra, Ibn Tofail Univ
173. Ecole Supérieure De Technologie, Fez
174. INPT

Mozambique

175. Eduardo Mondlane University

Namibia

176. National Univ. of Sci. and Tech. in Windhoek

Nepal

177. Kathmandu University
178. Tribhuvan University

Nigeria

179. Covenant University
180. University of Ibadan
181. University of Nigeria, Nsukka
182. University of Benin
183. Olabisi Onabanjo University

Oman

184. SQU - Sultan Qaboos University
185. MEC - Middle East College
186. GCET – Global College of Engineering and Technology

Pakistan

187. Dawood University of Eng and Technology, Karachi
188. Government College University Faisalabad
189. Mehran University of Eng and Tech, Jamshoro, Sindh
190. Riphah International University, Lahore Campus
191. University of Engineering and Technology, Lahore
192. UOT – Nowshera
193. Information Technology Univ. of the Punjab, Lahore
194. Sindh Institute of Management & Technology (SIMT), Karachi
195. NED University of Engineering & Technology, Karachi

Panama

196. Quality Leadership University (QLU) - #298
197. ULatina

Papua New Guinea

198. Papua New Guinea University of Technology

Paraguay

199. National University of Asuncion
200. Universidad del Cono Sur de las Américas
201. Colegio Técnico Nacional, Asunción

Peru

202. National Univ of San Antonio Abad, Cusco
203. Universidad de Lima (ULima)
204. Universidad Peruana de Ciencias Aplicadas (UPC)
205. Universidad Ricardo Palma (URP)
206. Pontificia Universidad Católica del Perú (PUCP)
207. Universidad Privada del Norte (UPN)
208. Universidad Continental (UContinental)
209. Universidad de Ingeniería y Tecnología (UTEC)
210. Universidad Nacional de Ingeniería (UNI)
211. University of San Martin de Porres (USMP)
212. Universidad Nacional Tecnológica de Lima Sur

213. Universidad Nacional de San Agustín de Arequipa

Philippines

214. Bulacan State University, Malolos City, Bulacan
215. LPU Laguna
216. Mapua University
217. De La Salle University (DLSU) Manila
218. Adamson University
219. CEBU Technological University
220. University of San Jose-Recoletos
221. Quezon City University
222. De La Salle Lipa

Portugal

223. ISEL – Instituto Superior De Engenharia de Lisboa
224. FCT NOVA

Puerto Rico

225. Polytechnic University of Puerto Rico

Qatar

226. Qatar University
227. Hamad bin Khalifa University, Doha

Saudi Arabia

228. Alfaisal University
229. Effat University
230. King Abdulaziz University (KAU)
231. King Abdulaziz University, Rabigh
232. King Fahd University of Petroleum and Minerals (KFUPM)
233. King Khalid University, Abha
234. King Saud University (KSU)
235. Umm Al-Qura University (UQU)
236. Princess Nourah University (PNU)
237. Prince Sattam Bin Abdulaziz University
238. Prince Sultan University (PSU)
239. Taibah University
240. University of Tabuk
241. Taibah University
242. University of Business and Technology
243. King Khalid University, Abha
244. University of Bisha
245. Taif University
246. Al-Yamamah University
247. Al-Yamamah University, Al Khobar
248. Mustaqbal University
249. AlMaarefa University, Riyadh
250. Islamic University of Madinah

Singapore

251. SUSS

South Africa

252. Durban University of Technology (DUT)
253. Tshwane University of Technology (TUT)
254. University of Johannesburg (UJ)
255. University of South Africa (UNISA)
256. Vaal University of Technology (VUT)
257. CPUT

Sri Lanka

258. University of Kelaniya
259. University of Peradeniya

Sudan

260. Sudan University of Science and Tech Khartoum

Thailand

261. Chulalongkorn University, Bangkok
262. Chiang Mai University

Turkey

263. Turkish-German University
264. Uskudar University

UAE

265. University of Science & Technology of Fujairah

UK

266. University of Derby
267. University of the West of England, Bristol

USA

268. Central Connecticut State University
269. Eastern Michigan University
270. Lawrence Technological University, Michigan
271. University of the District of Columbia
272. Indiana State University
273. Florida Polytechnic University
274. Buffalo State College
275. Southern Arkansas University
276. Western Michigan University
277. Loyola University Chicago
278. Minnesota State University, Mankato
279. Central State University
280. University of Central Florida
281. Minnesota State University, Mankato
282. University of Texas – San Antonio (UTSA)
283. Capitol Technological University
284. Frostburg State University
285. Business School of Southern Arkansas University
286. Binghamton University State University of New York City
287. Georgia Tech (# 296)

Venezuela

288. Catholic University Andrés Bello, Caracas

Vietnam

289. CFVG, Ho Chi Minh City, Vietnam

Zambia

290. University of Zambia
291. Copperbelt University
292. Evelyn Hone College

Zimbabwe

293. University of Zimbabwe, Harare
294. National University of Science and Technology
295. Harare Institute of Technology (HIT)
296. Women's University in Africa (WUA)
297. Chinhoyi University of Technology (CUT)

High School Chapters

298. Bay Area of San Francisco & San Jose, CA
299. Arongghata, Khulna, Bangladesh
300. Ironwood High School, Glendale, Arizona, USA
301. E-STEM, Columbus, Ohio

IEOM Student Chapter at Binghamton University, New York

IEOM Binghamton Student Chapter



IEOM Student Chapter at Western Michigan University, Kalamazoo, MI, USA



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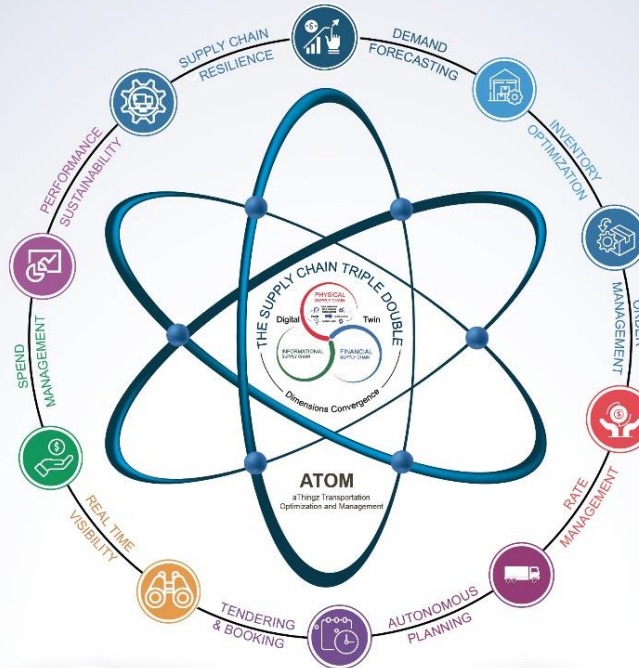




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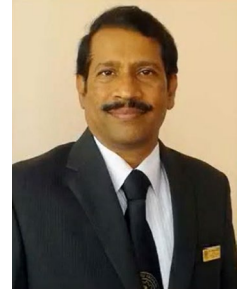
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4rd GCC International Conference on
**Industrial Engineering &
Operations Management**
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Host & Venue: University of Qatar



17th International Conference on
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Kuala Lumpur, Malaysia
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Host: Universiti Teknologi Malaysia (UTM)
Venue: UTM Kuala Lumpur Campus



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8th South American Conference
**Industrial Engineering and
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Host: Fundación Universitaria
Tecnológico Comfenalco Cartagena



12th North American Conference on
**Industrial Engineering and
Operations Management**
Boston, Massachusetts, USA, June 1-3, 2027
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10th European Conference on
**Industrial Engineering &
Operations Management**
Bologna, Italy, June 22-24, 2027
Host: University of Bologna



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