



# IEOM Society

*"Achieving and Sustaining Operational Excellence"*

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## IEOM Awards – IEOM India Conference, Bangalore August 18, 2021, 8:00 – 10:00 pm, India Time

### IEOM Distinguished Leadership Award

Dr. Nagahanumaiah, Director, Central Manufacturing Technology Institute, An Autonomous R&D Institute under the Department of Heavy Industry, Ministry of Heavy Industries & Public Enterprises, Govt. of India, Tumkur Road, Bengaluru

Dr. Bala Bharadvaj, Globally recognized Aerospace Expert, Former MD of Boeing India Engineering & Technology Center, Advisor and Former President of SAEINDIA, Bangalore, India

### IEOM Distinguished Educator Award

Prof. Prem Vrat, Pro-Chancellor, NorthCap University, Gurugram, Haryana, India and Professor of Eminence & Chief Mentor

Dr. Bhaskar Bhandarkar, Director General, Institution for Innovation Industrial Engineering and Entrepreneurship India and Former Chairman Indian Institution of Industrial Engineering

Robert Bordley, Professor of Engineering Practice and Program Director, Systems Engineering and Design, Department of Industrial and Operations Engineering, University of Michigan, Ann Arbor, MI, USA

### Distinguished Industry Achievement Award

Venugopal G, General Manager and Head, Digital Advisory and Industry 4.0, Robert Bosch Engineering and Business Solutions, Bangalore, Karnataka, India

Dumidu Ranaweera, CEMBB, Global Director APAC, Middle East, Oceania, Africa & Canada, Dr. Mikel J. Harry Six Sigma Management Institute Asia, Colombo, Sri Lanka

Ramanathan Narayanan, Managing Director and CEO, San Engineering, Bangalore, India

### Distinguished Professor Award

Jatinder (Jeet) N. D. Gupta, PhD, CFPIM, Director, Integrated Enterprise Lab, Eminent Scholar and Professor, College of Business, The University of Alabama in Huntsville, Huntsville, Alabama, USA

Prof. Abid Haleem, Professor, Department of Mechanical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi -110025, India

### Outstanding Professor Award

Dr. M. Manzoor Hussain, University Registrar, Professor and Former Head of Department, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, Telangana, India

### Outstanding Professor in Human Factors and Ergonomics Award

Prof. Rauf Iqbal, Associate Professor, Ergonomics and Human Factors Engineering, National Institute of Industrial Engineering, Mumbai, Maharashtra, India

### Outstanding Professor in Supply Chain and Logistics Award

Dr. Deepankar Sinha, Professor & Head – Research Division [Management], Indian Institute of Foreign Trade (IIFT), Kolkata Campus, West Bengal, India

### Outstanding Professor in Lean Six Sigma Award

Dr. Anand G, Professor & Chairperson-Research, Quantitative Methods and Operations Management, Indian Institute of Management Kozhikode, IIMK Campus, Kerala, India

Dr. Koilakuntla Maddulety, Deputy Director - Doctor of Business Administration, S P Jain School of Global Management, Kurla, Mumbai, India

### Outstanding Professor in Industry 4.0 Award

Prof. Manoj Kumar Tiwari (FNAE, FNASc, FIIIE, FIISE), Director, National Institute of Industrial Engineering (NITIE) Mumbai, India

### Outstanding Researcher Award

Dr. Diego Galar, Full Professor of Condition Monitoring, Division of Operation and Maintenance Engineering, Luleå University of Technology, Luleå, Sweden

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## **Outstanding Young Research Scholar Award**

Rajendra Baraiya, Research Scholar in Operations Management, Indian Institute of Management, Indore, Indore, Madhya Pradesh, India

## **Innovation and Entrepreneurship Award**

Dr. Arshad Noor Siddiquee, Professor, Mechanical Engineering & Director, Centre For Innovation And Entrepreneurship, Jamia Millia Islamia University, New Delhi

## **IEOM Woman in Industry and Academia Award**

Dr. Neelam Srivastava, Professor & HOD Electronics & Comm. Engg., IET Institute of Engineering & Technology Lucknow Constituent College of A K T U Lucknow, Lucknow, Uttar Pradesh, India

Rashmi Bhandarkar, Manager (Special Projects), Mahindra Logistics Ltd.

## **Diversity and Inclusion Award**

Rama Shanker, Chief PSD, Tata Steel Limited, Productivity Services Department, Jamshedpur, India

## **IEOM Global Engineering Education Award**

Dr. Jayakrishna Kandasamy, Associate Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu, India

Engr. Dr Adekunle Ibrahim MUSA, Lecturer and the immediate past Head, Department of Mechanical Engineering, Moshood Abiola, Polytechnic, Abeokuta, Nigeria

José Carlos Sá, Adjunct Professor, Course Subdirector, Mechanical Engineering Department – Sub-Area of Industrial Engineering and Management, Superior Institute of Engineering of Porto, Porto, Portugal

## **IEOM Industry 4.0 Award**

Dr. Rohit Sharma, Research Scholar at NITIE, Blockchain in Agriculture, industry 4.0 applications in agriculture, Mumbai, Maharashtra, India

## **Industry Solutions Award**

Dr. Neil G Murray Jr., DEMS, Engineering Manager at ZF and Adjunct Professor, Lawrence Technological University, Michigan, USA

Mohammed Iqbal, Program Manager at Lam Research, Bangalore Urban, Karnataka, India

## **IEOM Global Quality Award**

Amit Handa, Plant Quality Head, Hero MotoCorp, Uttarakhand, India

## **Data Analytics / Data Science Award**

Dr. Satish Vadlamani, Sr. Mgr. Supply Chain Analytics, Kenco Group, Chattanooga, Tennessee, USA

## **Teaching Excellence Award – IE**

Prof. Avinash Sambrani, Associate Professor & Head, Training and Placement Officer, PDA College of Engg, Gulbarga, Karnataka, India

## **Teaching excellence award in SCM**

Prof. Lanka Krishnanand, Professor, department of mechanical engineering, NIT Warangal for Excellence Teaching Award OM/ SCM

Dr. Patanjali Kumar, Assistant Professor, IBM, GLA University Mathura (India)

## **Teaching Excellence Award - OM**

Dr. Arundhati Guha Thakurta, Assistant Professor at SVKM's Narsee Monjee Institute of Management Studies (NMIMS), Mumbai, Maharashtra, India

## **Global Citizen Award**

Dr. Devdas Shetty, Dean of Engineering, University of the District of Columbia (UDC), Washington, DC, USA

## **IEOM Distinguished Service Award**

Dr. Shekar Babu, Founding Head, AMRITA School of Business, AMRITA Vishwa Vidyapeetham University, Bangalore, India

Dr. V Vasu, Associate Professor, Dept. of Mechanical Engineering, National Institute of Technology (NIT), Warangal, India

Prof. RRK Sharma, Professor in Industrial and Management Engineering, Indian Institute of Technology, Kanpur (IITK), India

Dr. Qutubuddin Syed Mohammad, Associate Professor, Industrial & Production Engineering Department, P.D.A. College of Engineering, Gulbarga, Karnataka State, India

## **IEOM Society Chapter Service Award**

Dr. Hansa Lysander Manohar, Associate Professor, Department of Management Studies, College of Engineering Guindy, Anna University, Chennai, India

Dr. M. Pratibha, Professor – English, Department of Humanities & Social Sciences, Vidya Jyothi Institute of Technology, Aziz Nagar Gate, Telangana, India

Dr. Qutubuddin Syed Mohammad, Associate Professor, Industrial & Production Engineering Department, P.D.A. College of Engineering, Gulbarga, Karnataka State, India

Dr. Vivek Soni, Assistant Professor, Coordinator -Internal Quality Assurance Cell, Coordinator Centre of Excellence (CoE) for Innovative Energy Solutions, Bharatiya Vidya Bhavan's – Usha and Lakshmi Mittal Institute of Management, New Delhi, India

Mr. Priya Ranjan Mallick, Assistant Professor, Department of Mechanical Engineering, College of Engineering and Technology, Odisha, India

Prof. Sukhjeet Singh, Assistant Professor, Dept. of Mechanical Engineering, Guru Nanak Dev Engineering College, Ludhiana, Punjab, India

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Punyaav Jain, Vellore Institute of Technology

Yash Deepak Gandhi, B. Tech – Industrial Engineering, Pandit Deendayal Petroleum University

## Outstanding Student Academic Award

Ms. Anjali Sharma, IITK

Aavula Venkata Sai Kumar Reddy, NIT Warangal (M.Tech, CIM)

Nikhil M Thoppil, NIT Warangal (PhD, Mechanical Engineering)

Arbaaz Sohail, Industrial & Production Engineering Dept., P.D.A. College of Engineering, Gulbarga, Karnataka State, India

Pooja Aloorkar, Industrial & Production Engineering Dept., P.D.A. College of Engineering, Gulbarga, Karnataka State, India

## Outstanding Conference Service Award

Parimi Mastan Rao, AMRITA School of Business, AMRITA Vishwa Vidyapeetham University, Bangalore, India

Harsha Murthy, AMRITA School of Business, AMRITA Vishwa Vidyapeetham University, Bangalore, India

Logeshini, AMRITA School of Business, AMRITA Vishwa Vidyapeetham University, Bangalore, India

Neehal, AMRITA School of Business, AMRITA Vishwa Vidyapeetham University, Bangalore, India

Ms. Madhulika Varanasi, AMRITA School of Business, AMRITA Vishwa Vidyapeetham University, Bangalore, India

Mr. Devadutt, AMRITA School of Business, AMRITA Vishwa Vidyapeetham University, Bangalore, India

## IEOM Outstanding Student Leadership Award

Miss. Harshita Chawda, Industrial & Production Engineering Department, P.D.A. College of Engineering, Gulbarga, Karnataka State, India

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## Competition Awards

### Undergraduate Student Paper Competition Sponsored by SIEMENS

1st

ID 069 Servuction Procedures for Waste Collection Management through the use of Information Technologies and the Design Thinking methodology

Claudia Contreras Silva, Esteban Crespo-Martinez, Production and Operations Engineering, Universidad del Azuay, Cuenca Ecuador

2nd

ID 071 The Impact of the COVID-19 Pandemic on the Energy Sector

Giorgio Agostini, Christian Berger, Delaney Hall, Salaar Khan, Michael Pennington and Mohamed Awwad, Department of Industrial and Manufacturing Engineering, California Polytechnic State University, San Luis Obispo, CA 93407, USA

ID 150 Prioritization of enablers supporting deployment of Lean Six Sigma with sustainability considerations: An ISM based approach

Srikant J, Thirumurugan S, Venkata Krishnan R and Sai Deepesh J, Under Graduate Students, Department of Mechanical Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India

Ben Ruben R, Assistant Professor, Department of Mechanical Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India

3rd

ID 112 Design And Development of a Weather Forecasting Android Application

Dr Pandithurai O, Nandini S Hinduja, Monica A R, Keerthana N V, Dr D Jayashree, Professor, Department Of Computer Science And Engineering, Rajalakshmi Institute Of Technology, Chennai, 234ug Student, Department Of Computer Science And Engineering, Rajalakshmi Institute Of Technology, Chennai

ID 072 The Impact of the Computer Chip Supply Shortage

Hannah Casper, Autumn Rexford, David Riegel, Amanda Robinson, Emily Martin and Mohamed Awwad, Department of Industrial and Manufacturing Engineering, California Polytechnic State University, San Luis Obispo, CA 93407, USA

### Undergraduate Research Competition

1st

ID 250 Determining the Effects of Back Support on the Comfortability and Productivity of BPO Employees

Almarose Villapando, Daniel Raven B. Gollayan, and Janka Andrea F. Magaling, School of Industrial Engineering and Engineering Management, Mapúa University, 658 MurallaSt. Intramuros, Manila

2nd

ID 252 An Indirect Approach to Analyse the Impact of Working Environment Restrictions Due To COVID 19 on Muscle Fatigue and Strength

Anand N Umrani, PhD student of Industrial and Production Engineering Department, VishwakarmaInstitute of Technology, Pune, India Dr. VarshaKarandikar

Prof., Industrial and Production Engineering Department, VishwakarmaInstitute of Technology, Pune, India Shradha Karandikar

UG Student, Mechanical Engineering Department, MKSSS's Cummins College of Engineering for Women, Pune, India

3rd

ID 242 Ergonomic Risk Assessment of Manual Material Handling (MMH) Tasks at Select Unorganized Small Scale Units in North Karnataka

Abhishek S. Humpli, Student, Department of Industrial & Production Engineering, P.D.A. College of Engineering, Kalaburagi, India

Qutubuddin S.M, Associate Professor, Department of Industrial & Production Engineering, P.D.A. College of Engineering, Kalaburagi, India

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Arbaaz Sohail, Prashnat T. and Mohd. AzharAhmed, Students, Department of Industrial & Production Engineering, P.D.A. College of Engineering, Kalaburagi, India

## High School STEM Competition

1<sup>st</sup>

ID 146 Probability-based Algorithmic Framework Incorporating Human-centric Design and Implicit Bias to Counter Discriminatory Predictions by AI/ML Systems

Tanish Kelkar, A.D Joshi Junior College, Maharashtra, India, Ashug Gurijala, Oakridge International School, Newton Campus, Telangana, India Shizhe He, Otto-von-Taube-Gymnasium, Gauting, Germany, Kian Andrew Busico, Philippine Science High School - Southern Mindanao Campus, Davao City, Philippines, Avni Gupta, Wilton High School, Connecticut, USA

2<sup>nd</sup>

ID 046 Banana ripeness indicator, Machine learning

Sunav Nambiar, International Baccalaureate student, Aditya Birla World Academy, Mumbai, India

3<sup>rd</sup>

ID 024 Electronic Device for Early Detection of Infection at Crowded Places

Kuhu Sharma, Oakridge International School Mohali, Punjab, India

## Graduate Student Paper Competition Sponsored by EATON Corporation

1<sup>st</sup>

ID 219 To Study and Analyze on Women Entrepreneurs Who Do Not Wish to be a Part of Organized Sector

Apoorva Kotian S, Dr. Ravi Kumar, Department of Management and Commerce, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Mysuru Campus, Karnataka, India

2<sup>nd</sup>

ID 218 A Study On Specific Marketing Difficulties Faced By Women Entrepreneurs

Mandara Deekshit B K , Dr. Ravikumar, Department of Management and Commerce, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Mysuru Campus, Karnataka, India

3<sup>rd</sup>

ID 212 The effect of financial inclusion on Empowerment of women through participation in Self Help Groups

Sunayana N, Lakshmi N, Department of Management & Commerce, Amrita School of Arts & Sciences, Amrita Vishwa Vidyapeetham, Mysore

## Master Thesis Competition

1<sup>st</sup>

ID 164 Are Indian Companies aligned towards Women Empowerment?

Arpita Chakraborty, Lecturer, Dept. of Economics, St Francis College, Bangalore University, Dr. Shekar Babu PhD, Professor & Founding Head, Department of Management, Amrita Vishwa Vidyapeetham University Bengaluru, India

2<sup>nd</sup>

ID 115 Sustainable Manufacturing Practices in Tea Industry of North Bengal: A Case Study

Nripen Roy, Sudipta Ghosh, Madhab Chandra Mandal, Amitava Ray, Department of Mechanical Engineering, Jalpaiguri Government Engineering College, Jalpaiguri, India

3<sup>rd</sup>

ID 011 Application of Artificial Intelligence (AI) in the Construction Industry

Anil Mahato, Dr. Debasis Sarkar, Post Graduate Student of Infrastructure Engineering Management, Pandit Deendayal Petroleum University, Raisan- Gandhinagar, Gujarat, India, Associate professor & Former Head of civil Department, Pandit Deendayal Petroleum University, Gujarat, India

## Lean Six Sigma Competition Sponsored by Tooling Tech Group

1<sup>st</sup>

ID 118 Reducing Patients Waiting Time In Hospitals

Ahamed Fouzzan I, Department of Industrial Engineering, PSG Institute of Advanced Studies, Coimbatore, TN 641004

The University of Toledo, Ohio, USA

Harismitha R, Department of Industrial Engineering, PSG Institute of Advanced Studies, Coimbatore, TN 641004

The University of Toledo, Ohio, USA

2<sup>nd</sup>

ID 142 Embracing Quality Management Systems In Manufacturing Value Chains Resulting In Improved Productivity

Thakaramahlaha Leholaha, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa

## Simulation Competition

ID 206 A Simulation Study to Evaluate the Performance of FMS Using Operations Flexibility

Huzefa Mashhood and Mohammed Ali, Department of Mechanical Engineering, Aligarh Muslim University, Aligarh, UP 202002, INDIA

## Supply Chain and Logistics Competition

1<sup>st</sup>

ID 018 Analyzing the Challenges in Humanitarian Supply Chain Management in Emerging Economy

Tilottama Singh, Vernika Agarwal and Snigdha Malhotra, Amity International Business School, Amity University Uttar Pradesh, India

2<sup>nd</sup>

ID 213 Application of Analytic Hierarchy Process for Supply Chain Design Project

Gopal Choudhari, Prof. P R Attar, 2<sup>nd</sup> Student, M.Tech (Project Mgt.), Dept. of Production Engineering, VJTI, Mumbai, India, 2<sup>nd</sup> Assistant Professor, Dept. of Production Engineering, VJTI, Mumbai, India