



# IEOM Society

*"Achieving and Sustaining Operational Excellence"*

[www.ieomsociety.org](http://www.ieomsociety.org)

---

## 2022 IEOM Awards

### 5<sup>th</sup> Industrial Engineering and Operations Management Bangladesh Conference

#### **Distinguished Academic Leadership Award**

Prof. Dr. M. Anwar Hossain  
Former VC of IUT  
Former VC of AUST  
Former Professor of ME, BUET  
Dhaka, Bangladesh

#### **Distinguished Industry Leadership Award**

Abdullah Talha  
Managing Director of Noman Group of Industries & Talha Group  
Dhaka, Bangladesh

Engr. Md. Mahmudur Rahman Manna, PEng, CEAI, NFPA, CSP, FIEB  
Chief Executive Officer  
Maeashah Group  
Dhaka, Bangladesh

#### **Outstanding Academic Leadership Award**

Prof. Dr. Md Nurul Absar Chowdhury  
Professor  
Department of Mechanical and Production Engineering  
Ahsanullah University of Science and Technology  
Dhaka, Bangladesh

#### **Distinguished Professor Award**

Dr. A. K. M. Nurul Amin  
Professor, Department of Industrial and Production Engineering (IPE)  
Military Institute of Science & Technology (MIST)  
Dhaka, Bangladesh

#### **Distinguished Professor and Service Award**

Dr. Md. Mosharraf Hossain  
Professor and Head of Industrial & Production Engineering Department  
Rajshahi University of Engineering & Technology (RUET)  
Rajshahi, Bangladesh

#### **Distinguished Professor and Leadership Award**

Prof. Dr. Mohammad Iqbal  
Professor, Department of Industrial and Production Engineering  
Shahjalal University of Science and Technology  
Sylhet, Bangladesh

Prof Dr Mohammad Sarwar Morshed  
Professor and Head  
Department of Mechanical and Production Engineering  
Ahsanullah University of Science and Technology  
Dhaka, Bangladesh

### **Outstanding Leadership Award**

Dr A R M Harunur Rashid  
Associate Professor  
Department of Mechanical and Production Engineering  
Islamic University of Technology (IUT), Dhaka Bangladesh  
Boardbazar, Gazipur, Bangladesh

### **Outstanding Professor Award**

Prof. Dr. Imtiaz Ahmed Choudhury  
Professor  
Department of Mechanical and Production Engineering  
Ahsanullah University of Science and Technology  
Dhaka, Bangladesh

Ferdous Sarwar, PhD  
Professor and Head  
Department of Industrial & Production Engineering  
Bangladesh University of Engineering and Technology  
Dhaka, Bangladesh

### **Outstanding Researcher Award**

Dr. Haider Ali Biswas  
Professor, Mathematics Discipline  
Khulna University  
Khulna, Bangladesh

### **Outstanding Professor in Renewable Energy**

Dr. Mohammad Mizanur Rahman  
Professor, Department of Mechanical Engineering  
Chittagong University of Engineering & Technology  
Chittagong, Bangladesh

### **Outstanding Professor in Teaching and Learning Award**

Dr. Md. Kutub Uddin  
Professor, Department of Mechanical Engineering  
Khulna University of Engineering & Technology (KUET)  
Khulna, Bangladesh

### **Keynote Awards**

Dr. Mohammad Uddin  
Senior Lecturer at UniSA STEM  
University of South Australia  
Adelaide, Australia

Dr. Ahm Shamsuzzoha  
Faculty, University of Vaasa, Finland  
Head of CoVE for Green Innovation, Vaasa, Finland

Dr. Kamrul Ahsan  
Associate Professor  
Department of Supply Chain and Logistics Management  
RMIT University  
Melbourne, Australia

Professor Dr. Zamberi Bin Jamaludin

Professor, Faculty of Manufacturing Engineering  
Universiti Teknikal Malaysia Melaka (UTeM)  
Durian Tunggal, Malacca, Malaysia

### **Woman in Industry and Academy Award**

Annesha Ahmed, PMP  
Director, Strategy and Business Development  
Diesel Power Services Limited  
Dhaka, Bangladesh

### **Lean Six Sigma Award**

Sadique Salim  
Vice President, Bangladesh  
Six Sigma Management Institute  
Lean Six Sigma Master Black Belt  
Dhaka, Bangladesh

### **Industry 4.0 Award**

Mr. Md. Abdullah Al Mahmud  
Founder & CEO, Thriving Skills Limited  
Assistant Professor of MIS  
Manarat International University  
Dhaka, Bangladesh

### **Industry Best Practice Award**

Md. Belal Hossain  
Manager, Supply Chain Management  
PRAN-RFL Group  
Dhaka, Bangladesh

### **Industry Solutions Award**

Eng. Md. Sourove Akther Momin  
Additional Director  
Walton Hi-Tech Industries PLC  
Dhaka, Bangladesh

Engr. Kh. Abu Nur Ashfaq Ahmed Lord  
General Manager – Bag Manufacturing Plant  
Bashundhara Industrial Headquarter-1  
Bashundhara R/A  
Dhaka, Bangladesh

Taimur M Arif, FIEB, CLSSBB, CSCM™  
Deputy General Manager  
Quasem Industries Limited  
Dhaka, Bangladesh

### **Entrepreneurship and Incubation Award**

Daffodil Business Incubator (DBI)  
Prof. Dr. Md. Mahbubul Haque  
Professor (Former Head), Dept. of Textile Engineering  
Faculty of Engineering  
Daffodil International University  
Dhaka, Bangladesh

### **Innovation and Entrepreneurship Award**

Ron Mahenur  
Founder & CEO  
Uddoktagiri  
Dhaka, Bangladesh

**Teaching and Learning Award – Curriculum Improvement**

Kazi Shahidullah, PhD  
Assistant Professor, Curriculum and Instruction  
Bangladesh University of Professionals (BUP)  
Dhaka, Bangladesh

Md. Mostafizur Rahman  
Sr. Assistant Professor and Head  
Team leader, departmental quality assurance cell  
Chairman, departmental curriculum committee  
Department of Textile Engineering  
World University of Bangladesh  
Dhaka, Bangladesh

**Global Engineering Education Award**

Prof. Dr. Rafiqul Alam Beg  
Professor, Department of Mechanical Engineering  
Rajshahi University of Engineering & Technology  
Rajshahi, Bangladesh

Dr. Shamsuddin Ahmed  
Professor, Department of Mechanical and Production Engineering  
Islamic University of Technology (IUT), Dhaka Bangladesh  
Boardbazar, Gazipur, Bangladesh

**Global Business Management Education Award**

Dr. Engr. Md. Mamunur Rashid  
Head, Production Management Division  
Bangladesh Institute of Management (BIM)  
4, Sobhanbag, Dhanmandi, Mirpur Road  
Dhaka, Bangladesh

**Global Business Management Award**

Arshad Murad  
General Manager, Industrial Engineering Department  
Asian Group  
Dhaka, Bangladesh

Faruque Hossain  
General Manager  
Comfit Composite Knit Ltd  
Gorai, Mirzapur, Tangail  
Dhaka, Bangladesh

Jaidur Rahman  
Business Unit Manager  
Decathlon Bangladesh  
Sr. Executive- Supply Chain Planning; ACI Logistics Ltd

**Ergo Award**

Mohammad Subail-Bin-Alam  
Director & Country Head, Sarens Bangladesh Pvt. Ltd.  
Director, Save Medical Limited  
Dhaka, Bangladesh

**Global Supply Chain and Logistics Award**

Engr. Md. Abdullah Al Mamun, CSCM™  
Deputy Manager, SCM  
Bangla Trac Group (Power Plant)  
Banani, Dhaka, Bangladesh

Tarequl Islam  
Capacity Planner – Supply Chain  
Avery Dennison  
Dhaka, Bangladesh

Kh. Harun Or Rashid, CSCM™, CSCA™  
Assistant Manager, Supply Chain  
Checkpoint Systems Bangladesh Ltd.  
Dhaka, Bangladesh

## **Young Professional Award**

Ashfaqur Arefin  
Assistant Professor, Department of Industrial & Production Engineering  
Dhaka University of Engineering & Technology (DUET)  
Gazipur, Bangladesh

## **Conference Service Award**

Dr. Md Nazrul Islam, Associate Editor of IEOM Society  
Kazi Nusrat Islam, Assistant Editor of IEOM Society  
Tahera Parvin, Assistant Editor of IEOM Society  
AQIB ISLAM CHOWDHURY, Assistant Editor of IEOM Society  
Ms. Rubana, Marketing and Promotions Manager of IEOM Society  
Ms. Shipa, Marketing and Promotions Manager of IEOM Society  
Tipu Sultan, Marketing and Promotions Manager of IEOM Society

## **Outstanding IEOM Student Chapter Award**

AUST – Ahsanullah University of Science & Technology  
BUET – Bangladesh University of Engineering and Technology  
BUTEX – Bangladesh University of Textiles  
CUET – Chittagong University of Engineering & Technology  
KU – Khulna University  
KUET – Khulna University of Engineering and Technology  
MIST - Military Institute of Science and Technology  
SUST – Shah Jalal University of Science and Technology  
WUB - World University Bangladesh

## **Competition Winners**

### **Undergraduate Student Paper Competition** Sponsored by **SIEMENS**

1<sup>st</sup> place winner

2<sup>nd</sup> place winner

3<sup>rd</sup> place winner

### **Graduate Student Paper Competition** sponsored by **EATON Corporation**

1<sup>st</sup> place winner

2<sup>nd</sup> place winner

3<sup>rd</sup> place winner

### **Undergraduate Research Competition**

1<sup>st</sup> place winner

ID 53 Investigating the Effectiveness of Physical Exercises and Relaxation Technique: Occupational Stress And Health Problem Prevention Among Provincial Bus Drivers In Quezon City  
Mark Loel Badiilla, Christian De Leon, Bernard Lamsin, Nicole Makiyama, Joshua Pabilan, John Michael Vigilla,  
Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines

## **IEOM Society Awards – 5<sup>th</sup> IEOM Bangladesh Conference, December 26-28, 2022**

---

### **2<sup>nd</sup> place winner**

ID 137 Effect of Hypertrophy, Passive Stiffness and Contractility on Myocardial Strain in HFpEF: A Computational Approach

Sazzad Hossain, Arafat Anzir, Dr. Sheikh Mohammad Shavik, Department of Mechanical Engineering, Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh 2nd

### **3<sup>rd</sup> place winner**

ID 125 The Influence of Weight Fraction on Tensile Strength of Three-Dimensional Printed Jute Fiber Reinforced Composite

Md Amjad Hossain Khan, Jonaed Hossain, Arafath Mohiv, Department of Mechanical and Production Engineering, Ahsanullah University of Science and Technology (AUST), Dhaka, Bangladesh

M. Azizur Rahman, Assistant Professor, Department of Mechanical and Production Engineering, Ahsanullah University of Science and Technology (AUST), Dhaka, Bangladesh

Md. Ershad Khan, Associate Professor, Department of Textile Engineering, Ahsanullah University of Science and Technology (AUST), Dhaka, Bangladesh

Dr. Mad. Shahnawaz Bhuiyan, Associate Professor, Department of Mechanical and Production Engineering, Ahsanullah University of Science and Technology (AUST), Dhaka, Bangladesh

### **Doctoral Dissertation**

#### **1<sup>st</sup> place winner**

ID 235 Quantification of the Strategic Fit Between Process Choice Criteria and Production Systems

Vishwas Dohale, Research Fellow, Operations and Supply Chain Management, National Institute of Industrial Engineering (NITIE), Mumbai, India Business Analyst, Goldratt Consulting, India

### **Master Thesis Competition**

#### **1<sup>st</sup> place winner**

ID 93 Servitization of Business Strategy Using Lean Six Sigma Approach

Firqi Abdillah, Zulkarnain, Faculty of Industrial Engineering, Universitas Indonesia, Depok 16424, Indonesia

### **Senior Design Project Competition sponsored by Tooling Tech Group**

#### **1<sup>st</sup> place winner**

ID 229 Design and Manufacture of Prosthetic Bionic hand Controlled via MYO-Sensors

Gopal Mandal, IUBAT, Bangladesh

### **Lean Six Sigma Competition sponsored by Tooling Tech Group**

#### **1<sup>st</sup> place winner**

ID 31 Edge Colouring Process Improvement by DMAIC Methodology – Efficiency Perspective

Md. Sajib Milki, Department of Industrial Engineering (IE), BGMEA University of Fashion & Technology (BUFT), Dhaka – 1230, Bangladesh

Department of Industrial and Production Engineering (IPE), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

#### **2<sup>nd</sup> place winner**

ID 320 Analysis of Effect of Scaling on Dimensional Accuracy of 3D Printed Part Using DOE

Sai Chand Gogisetty, Bharani Beemanapally and Abhishek Dimpalbhair Shah, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI 48075, USA

#### **3<sup>rd</sup> place winner**

ID 321 Quality Control in Injection Molding: A Real Time Application of Lean Tools

Sai Abhijith Medavarapu, Jayanth Mummalaneni, Sibin Mathew, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI 48075, USA

#### **4<sup>th</sup> place winner**

ID 319 Quality Improvement of Fast-Food Waiting Times for Chick-fil-A

Vyoma Teja Sajja, Ilir Ivezaj, Abdulaziz Alharbi and Nauman Abdul Muqeeth, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI 48075, USA

### **Supply Chain and Logistics Competition**

#### **1<sup>st</sup> place winner**

ID 44 Sustainable Supply Chain in Textile Industry

Mohammed Raihan Uddin, Md Mamunur Rashid, Department of Industrial & Production Engineering, Bangladesh University of Textiles, Dhaka1208, Bangladesh

## **IEOM Society Awards – 5<sup>th</sup> IEOM Bangladesh Conference, December 26-28, 2022**

---

### **2<sup>nd</sup> place winner**

ID 223 A study on the Measures taken to sustain the flexibility of a global supply chain during the pandemic  
Abdullah Al Rahi, Qausar Rahman, Eshayat Hasan Chowdhury, Department of Industrial and Production  
Engineering, Shahjalal University of Science and Technology, Sylhet, Bangladesh

### **Poster Competition**

### **1<sup>st</sup> place winner**

ID 113: Design, Fabrication, and Analysis of a Prototype Electric Bike  
Fahim Foysal Arnob, Md Shahnewaz Khan Department of Mechanical Engineering, MIST, Bangladesh