

## Date: 25<sup>th</sup> December 2014

4:00PM-8:00PM	Registration Kit Collection
---------------	-----------------------------

## Date : 26<sup>th</sup> December 2014

8:00 AM~ 9:00 M	Registration Kit Collection			
9:00AM-10:00AM	<b>Inaugural Session</b> Venue: Auditorium, KUET <b>Chief Guest:</b> Prof. Dr. Muhammed Alamgir, Vice-Chancellor, KUET <b>Special Guest:</b> Prof. Dr. Shaymal Kanti Biswas, Ex-VC, CUET <b>Chairman:</b> Prof. Dr. Syed Ali Molla, Dean, Faculty of Mechanical Engineering, KUET			
10:00AM-10:30AM	Tea Break			
10:30AM-12:30PM	<b>Plenary Session 1:</b> Venue: Auditorium, KUET <b>Chair:</b> Prof. Dr. Md. Nawsher Ali <ol style="list-style-type: none"> <li><b>Destination Mars: Frontiers in Expanding Human Presence in the Solar System</b> <i>Prof. Ahsan R. Choudhuri, Ph.D. (University of Texas at El Paso, USA)</i></li> <li><b>Flow-Induced Forces and Fluid-Structure Interactions between Two Circular Cylinders</b> <i>Prof. Md. Mahub Alam, Ph. D. (Harbin Institute of Technology, Shenzhen, China)</i></li> </ol>			
12:30PM-2:30PM	Prayer and Lunch Break			
2:30PM-4:00PM	Parallel Sessions (1, 2, 3, 4)			
	Session 1 Room A Seminar Room, ME <b>Thermo-Fluid I</b> Chair: Prof. Dr. A. M. M. Mukaddes	Session 2 Room B Room No. ME 107 <b>Industrial Engineering I</b> Chair: Prof. Dr. Md. Kutub Uddin	Session 3 Room C Room No. ME 108 <b>Energy Technology I</b> Chair: Prof. Dr. A. N. M. Mizanur Rahman	Session 4 Room D Room No. ME 110 <b>Materials and Composites I</b> Chair: Prof. Dr. Tarapada Bhowmick
4:00 PM-4:15PM	Prayer Break			
4:15 PM-5:00PM	<b>Plenary Session 2:</b> Venue: Auditorium, KUET Venue: ME Seminar Room, KUET <b>Chair:</b>			
6:30PM-9.00PM	<b>Conference dinner</b> Venue: Hotel City Inn			

**Date : 27<sup>th</sup> December 2014**

9:00 AM-9:30 AM	<b>Plenary Session 3:</b> Venue: ME Seminar Room, KUET Chair: Prof. Dr. Naseem Ahmed <b>1. Status of Natural Fiber Composites in Bangladesh and Their Potential Applications</b> <i>Mubarak A Khan, Ph. D., Director, Institute of Radiation and Polymer Technology, Bangladesh Atomic Energy Commission, Bangladesh</i>			
9:30 AM-11:00 AM	Parallel Session (5,6,7,8)			
	Session 5 Room A Seminar Room, ME <b>Industrial Engineering II</b> Chair: Prof. Dr. Shaymal Kanti Biswas	Session 6 Room B Room No. ME 107 <b>Materials and Composites II</b> Chair: Dr. Mubarak A Khan	Session 7 Room C Room No. ME 108 <b>Energy Technology II</b> Chair: Prof. Dr. Md. Nawsher Ali	Session 8 Room D Room No. ME 110 <b>Mechatronics and Mis I</b> Chair: Prof. Dr. Khandakar Aftab Hossain
11:00 AM-11:30AM	Tea Break			
11:30 AM-1:00 PM	Parallel Session (9,10,11,12)			
	Session 9 Room A Seminar Room, ME <b>Thermo-Fluid II</b> Chair: Prof. Dr. Ahsan R. Choudhuri	Session 10 Room B Room No. ME 107 <b>Industrial Engineering III</b> Chair: Prof. Dr. Naseem Ahmed	Session 11 Room C Room No. ME 108 <b>Industrial Engineering IV</b> Chair: Prof. Md. Golam Kader	Session 12 Room D Room No. ME 110 <b>Mechatronics and Mis II</b> Chair: Dr. Sobahan Mia
1:00 PM-2:30PM	Prayer and Lunch Break			
2:30 PM-4:00PM	Parallel Sessions (13, 14,15,16)			
	Session 13 Room A Seminar Room, ME <b>Thermo-Fluid III</b> Chair: Prof. Dr. Md. Mahbub Alam	Session 14 Room B Room No. ME 107 <b>Industrial Engineering V</b> Chair: Prof. Dr. Md. Kutub Uddin	Session 15 Room C Room No. ME 108 <b>Materials and Composites III</b> Chair: Prof. Dr. Mihir Ranjan Halder	Session 16 Room D Room No. ME 110 <b>Mechatronics and Mis III</b> Chair: Dr. Md. Shahidul Islam
4:00PM-4:30PM	Tea and Prayer Break			
4:30-5:15	<b>Closing Ceremony</b> Venue: ME Seminar Room, KUET			

<b>Plenary Session 1</b> <b>26<sup>th</sup> December 2014, Friday, 10:30 AM-12:30 PM</b> <b>Chair: Prof. Dr. Md. Nawsher Ali</b>			
P1	ICMIEE-KN-140001	<b>Destination Mars: Frontiers in Expanding Human Presence in the Solar System</b> <i>Prof. Ahsan Choudhuri, Ph.D. ,University of Texas at El Paso, USA</i>	
P2	ICMIEE-KN-140002	<b>Flow-Induced Forces and Fluid-Structure Interactions between Two Circular Cylinders</b> <i>Prof. Md. Mahub Alam, Ph. D. ,Harbin Institute of Technology, Shenzhen, China</i>	
<b>Plenary Session 3</b> <b>27<sup>th</sup> December 2014, Saturday, 9:00 AM-9:30 AM</b> <b>Chair: Prof. Dr. Naseem Ahmed</b>			
P3	ICMIEE-KN-140003	<b>Status of Natural Fiber Composites in Bangladesh and Their Potential Applications</b> <i>Mubarak A Khan, Ph. D. , Institute of Radiation and Polymer Technology, Bangladesh Atomic Energy Commission, Bangladesh</i>	
<b>Technical Session-1</b> <b>26<sup>th</sup> December, 2014 Friday, 2:30 PM -4:00PM</b> <b>Venue: Seminar Room, ME</b> <b>Chair: Prof. Dr. A. M. M. Mukaddes</b>			
SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140105	Characteristics of Flow over Three Side-By-Side Square Prisms <i>Qinmin Zheng, Md. Mahub Alam, Guoqing Xu, qintao Zhang, Yu Zhou</i>	FL
2	ICMIEE-PI-140115	Numerical Analysis of Laminar Natural Convection from Heated Vertical Plate and Horizontal Cylinder <i>Md.Navid Unjum, Md.Fazlay Rabbi</i>	FL
3	ICMIEE-PI-140123	Numerical Investigation of fluid flow Over a Lid-driven Square Cavity <i>Mohammad A.Hossain, Mominul Huq</i>	FL
4	ICMIEE-PI-140146	Similarity Analysis of unsteady MHD Boundary Layer Flow of Heat and Mass Transfer about an Inclined Stretching Sheet with Suction by Quasi-Linearization Technique <i>Mohammad Ali, Mohammad Shah Alam, Md. Abdul Alim</i>	FL
5	ICMIEE-PI-140217	Velocity and temperature distributions of transitional and turbulent boundary layer flows along a vertical flat plate <i>Mohammad Zoynal Abedin, Mohammed Moinul Islam, Mashud Rana</i>	FL
6	ICMIEE-PI-140240	Finite Element Analysis of Convective Heat and Mass Transfer Flow through a Channel with Heat Sources and Chemical Reaction Effect <i>Salma Parvin, Rehena Nasrin, M.A. Alim</i>	FL
7	ICMIEE-PI-140260	Mixed Convection of Cu-Water Nanofluid in a Sinusoidal-Wall Channel <i>Nayeem Uddin Ahmed, Meem Tasfia Zaman, Mamun Molla</i>	FL
8	ICMIEE-PI-140283	Numerical Study of Natural Convection Heat Transfer of Nanofluids inside a Left-Heated Wavy Cavity <i>Maruf Billah, Neethila Nabanita Poddar, Md. Mamun Molla</i>	FL

9	ICMIEE-PI-140102	Effect of Prandtl Number on 3D Heat Transfer through a Solar Collector <i>Rehena Nasrin, Salma Parvin, M.A. Alim</i>	FL
10	ICMIEE-PI-140422	Experimental investigation on a direct gasoline fuel injection (DGI) system with high turbulence fuel- air mixing and enhanced engine security measures <i>Md. Syed Ali Molla, Md. Shafiq Sayid, Md. Muhaiminul Hassan and Md. Al, Mamun</i>	HT
<b>Technical Session-2</b> <b>26<sup>th</sup> December, 2014 Friday, 2:30 PM -4:00PM</b> <b>Venue: Room No. ME 107</b> <b>Chair: Prof. Dr. Md. Kutub Uddin</b>			
SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140338	Quality Assurance Program & Implementation of ISO, A Case Study <i>Abrar Fahim Samad, Dipanjan Ghose, Zakaria Rahman, Amit Banik S.K.Biswas</i>	IPE
2	ICMIEE-PI-140339	Productivity Analysis and Suggestions for Improvement a Case Study In a Local Company <i>Md. Abdul Mottalib, Rashedul Islam, Jahid Hasan, S.K. Biswas, A.K.M Soleyman Hoque</i>	IPE
3	ICMIEE-PI-140340	Problems of Tertiary Engineering Education of Bangladesh and some Suggestions for Possible Improvements <i>Shyamal Kanti Biswas</i>	IPE
4	ICMIEE-PI-140342	Fuzzy Model for Prioritizing Distribution Center With Multiple Criteria, A Case Study <i>Sayem Ahmed, Minhajul Islam, Rafi Ahmed, Saifullah-Al-Munsur, S. K. Biswas, Mahmudul Hasan</i>	IPE
5	ICMIEE-PI-140343	An Assessment of the Underground Roadway Water Quality for Irrigation Use around the Barapukuria Coal Mining Industry, Dinajpur, Bangladesh <i>M. Farhad Howladar, Pulok Kanti Deb, ATM Shahidul Hujed Muzemder, Mohammad Islam Miah</i>	IPE
6	ICMIEE-PI-140345	An Approach for an Appropriate Supplier Selection of RFL Industry using Fuzzy Inference System (FIS) <i>Tarapada Bhowmick, Md Raiyan Tahsin Haque, Pritom Kumar Mondal</i>	IPE
7	ICMIEEPI-140380	Implementation of Disaggregation Method in Economic Lot Scheduling of a Jute Industry under Constant Demand <i>Subrata Talapatra, Ghazi Abu Taher</i>	IPE
8	ICMIEE-PI-140398	Regression Equation and Neural Network Model for Material Removal Rate and Surface Finish <i>Md. Ashikur Rahman Khan, M. M. Rahman, Md. Bellal Hossain, Zayed-Us-Salehin, Muhammad Afsar Uddin</i>	IPE
9	ICMIEE-PI-140367	Operating Cost Reduction of HVAC System of Square Pharmaceuticals Limited <i>Khairun Nahar1, Md. Pavel Ali, Sharmin Aktar</i>	IPE
10	ICMIEE-PI-140144	Evaluating the Integrated Performances of Two CAD Systems Applied in Garments Manufacturing Process <i>Lal Mohan Baral, Ruhul Amin Khokon</i>	IPE

**Technical Session-3**  
**26<sup>th</sup> December, 2014 Friday, 2:30 PM -4:00PM**  
**Venue: Room No. ME 108**  
**Chair: Prof. Dr. A. N. M. Mizanur Rahman**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140179	Analysis of Renewable Sources as a Possible Solution to Power Crisis in Bangladesh <i>Molla Shoyeb Uddin Mithu, Shafayate Hossain, Md. Enamul Haque, Mohammad Didarul Alam</i>	ET
2	ICMIEE-PI-140192	Gas Stove with Embedded Controlling System to Stop Misuse of Natural Gas in Bangladesh <i>Kazi Ehsanul Karim, Jaber Al Hossain, Farhan Hossain</i>	ET
3	ICMIEE-PI-140203	Feasibility Study on Power Generation in Bangladesh using Rice Husk as an Alternative Source of Fuel <i>Md. Amanullah Kabir, Md.Saiful Alam Shabbir, A. H. M Fazle Elahi</i>	ET
4	ICMIEE-PI-140275	Design a Solar and Pedaling powered Rickshaw <i>Sheikh Mohammad Waliullah, Md. Saddam Hossain, Md. Nazmul Hasan, Md. Tanvir Ibny Gias</i>	ET
5	ICMIEE-PI-140285	A Brief Study of the Prospect of Hybrid Solar Irrigation System in Bangladesh <i>Md Abul Hasnat, Muhammad Naimul Hasan, Najmul Hoque</i>	ET
6	ICMIEE-PI-140286	Continuous Desalination Process of Sea Water using Solar Energy in Bangladesh <i>Md. Rashedur Rahman, Md Abul Hasnat, Sardar Masud Rana</i>	ET
7	ICMIEE-PI-140379	Energy Auditing: Necessity for Energy Management System <i>Mahedi Hassan, Nahid Hassan, Md. Murad Miah, Farzana Akter Sohaly, Iffat Arefa, Zahid Hasan Mahmood</i>	ET
8	ICMIEE-PI-140393	Thermal Performance of a New Residential House Wall System <i>Fayez Aldawi, Firoz Alam, Harun Chowdhury</i>	ET
9	ICMIEE-PI-140400	Design and Construction of a Parabolic Dish Solar Cooker <i>Erina Baynojir Joyee, Dr. A. N. M. Mizanur Rahman</i>	ET

**Technical Session-4**  
**26<sup>th</sup> December, 2014 Friday, 2:30 PM -4:00PM**  
**Venue: Room No. ME 110**  
**Chair: Prof. Dr. Tarapada Bhowmick**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140327	Inevitable Environmental Degradation due to Textile Waste in Bangladesh: Is there Really a Solution? <i>Jahid M M Islam, Md. Mahbubur R. Bhuiyan, Mubarak A Khan</i>	MSE
2	ICMIEE-PI-140331	Extraction of Bioactive Macromolecules from Locally Available Natural Resources and Application as Natural Tea Growth Promoter <i>Jahid M M Islam, M Saifur Rahaman, M Mahub Bhuiyan, Mubarak A Khan</i>	MSE
3	ICMIEE-PI-140335	Incremental Dynamic Analysis of a Moment Resisting Reinforced Concrete Frame <i>Fouzia H Oyshi, PKM Moniruzzaman, Ahmed F Farah, Faysal M Omar</i>	MSE

4	ICMIEE-PI-140336	Incremental Dynamic Analysis of a Reinforced Concrete Structure Considering Height Effects <i>Tanmoy Biswas, PKM Moniruzzaman, Ahmed Shirwa</i>	MSE
5	ICMIEE-PI-140349	Modeling Progressive Damage and Failure for Polymer-Matrix Composites <i>Alma Leanos, Md Shariful Islam, Pavana Prabhakar</i>	MSE
6	ICMIEE-PI-140355	Effect of Compaction during Manufacturing of Textile Composites <i>Md Shariful Islam, Pavana Prabhakar</i>	MSE
7	ICMIEE-PI-140378	Polyimide – Polysiloxane Nanohybrid : Synthesis and Performance <i>Shaikh Md. Mominul Alam</i>	MSE
8	ICMIEE-PI-140383	Design of a Mechanical Litter Bin with Underground Waste Container <i>Sanjida haque</i>	MSE
9	ICMIEE-PI-140397	Dielectric Properties could be Potential Tools for Investigating Materials (VOCs) Toxicity <i>Mohammad Russel, Sun zheng xiang, Md. Mahbub Alam</i>	MSE
<b>Technical Session-5</b> <b>27<sup>th</sup> December, 2014 Saturday, 9:30 AM -11:00AM</b> <b>Venue: Seminar Room, ME</b> <b>Chair: Prof. Dr. Shaymal Kanti Biswas</b>			
SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140101	Simulation of a Workpiece in CNC Milling Machine on the basis of G and M Code based NC Programming <i>Rakib Hasan, Sakib Shahazad Ali, Tarapada Bhowmick</i>	IPE
2	ICMIEE-PI-140120	Effects of Welding Parameters on Bead Geometry of Stainless Steel Welding by MIG <i>Lipika Nath, Md.Fazlay Rabbi, Naseem Ahmed</i>	IPE
3	ICMIEE-PI-140125	A Review on the Investigation of the Causes of Bullwhip Effect in Supply Chain Management <i>Md. Rafiquzzaman, Md. Habibur Rahman, Md. Nawazish Ali</i>	IPE
4	ICMIEE-PI-140129	Comparative Analysis of AHP and Fuzzy-AHP in Supplier Selection: A Case Study on a Cement Industry <i>Mst. Nazma sultana, S.M. Atikur Rahman, Mustafizur Rahman, Utpal kumar Dey</i>	IPE
5	ICMIEE-PI-140135	A New Concept in Modern Industry Sector; “Virtual Industry Model” <i>Md. Badiuzzaman Md. Rafiquzzaman</i>	IPE
6	ICMIEE-PI-140142	Minimization of Defects in the Sewing Section of a Garment Industry through DMAIC Methodology of Six Sigma <i>Syed Misbah Uddin, Rashidul Hasan, Md. Saddam Hosen</i>	IPE
7	ICMIEE-PI-140160	Analysis of Mechanical Properties of Malleable Iron Applying Various Heat Treatment <i>Mst.Nazma Sultana, Md.Ferdaus Hasan, Mehedi Islam</i>	
8	ICMIEE-PI-140410	Analyzing Distribution Networks of Supply Chain in Perspective of Bangladesh <i>Farjana Nur, N.U.I Hossain</i>	IPE
9	ICMIEE-PI-140411	Multi Echelon Supply Chain Network Design Using Fuzzy TOPSIS & LINGO Software <i>Subrata Talapatra, H.M Mohiuddin, Md. Mominul Islam, Farjana Nur</i>	IPE

**Technical Session-6**  
**27<sup>th</sup> December, 2014 Saturday, 9:30 AM -11:00AM**  
**Venue: Room No. ME 107**  
**Chair: Dr. Mubarak A Khan**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140116	Development of new Perlite/Sodium Silicate Composites <i>Md Arifuzzaman, Ho Sung Kim</i>	MSE
2	ICMIEE-PI-140136	A Review on Bamboo and Jute Fiber Reinforced Polymer Composites <i>Joyeshree Biswas, Md. Rafiquzzaman</i>	MSE
3	ICMIEE-PI-140137	Compressive Properties of Ceramic Microballoon Syntactic Foams <i>Zulzamri Bin Salleh, Md Mainul Islam, Jayantha Ananda Epaarachchi</i>	MSE
4	ICMIEE-PI-140138	Selection of Hemp Fabric as Reinforcement in Composite Materials <i>Mohd Iqbal Misnon, Md Mainul Islam, Jayantha Ananda Epaarachchi, Kin-tak Lau</i>	MSE
5	ICMIEE-PI-140141	Interaction of Multiple Planar Cracks under Mixed-mode Loading <i>Md. Abdul Hasib, Akihide Saimoto</i>	MSE
6	ICMIEE-PI-140194	Characterization of Coastal Water Deposits and its Subsequent Effect on Piping Materials <i>A.H.M Fazle Elahi, Zia Uddin Md. Chowdhury, Mohammed Enamul Hoque</i>	MSE
7	ICMIEE-PI-140200	Role of Advanced Composites Materials in Aerospace Applications - A Review of Current Status and Future Prospects <i>Md. Anisul Islam, Nikhil Ranjan Dhar</i>	MSE
8	ICMIEE-PI-140214	Fatigue Estimation through Face Monitoring and Eye Blinking <i>Asma-Ul-Husna, Amit Roy, Gautam Paul, Milon Kanti Raha</i>	MSE
9	ICMIEE-PI-140424	Fracture Properties of Graphene Oxide (GO) and GO/CNT Hybrid papers <i>Md. Nizam Uddin and Jang-Kyo Kim</i>	MSE

**Technical Session-7**  
**27<sup>th</sup> December, 2014 Saturday, 9:30 AM -11:00AM**  
**Venue: Room No. ME 108**  
**Chair: Prof. Dr. Md. Nawsher Ali**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140408	Pond Evaporation Systems for Harvesting Algae <i>Md. Ashikur Rahmana, Md. Mizanur Rahmana, Noor Ajian Mohd. Laira, Chris Ming Chub</i>	ET
2	ICMIEE-PI-140354	Energy simulation to estimate building energy consumption using EnergyPlus <i>Md. Jahangir Alam I, Mohammad Ariful Islam, Biplob Kumar Biswas</i>	ET
3	ICMIEE-PI-140241	Energy Saving & Low Cost Brick from Rice Husking & Saw Dust Ash <i>Sabbir Ahmed, Fazle Rabbi</i>	ET

4	ICMIEE-PI-140305	Experimental And Numerical Investigation of an Air to Water Heat exchanger <i>Mohammad Didarul Alam, Shaikh Tanveer Hossain, Hasan Shahriar Simanto, Molla Shoyeb Uddin Mithu, Mohammad Ariful Islam</i>	HT
5	ICMIEE-PI-140358	Analysis of Bio-heat Transfer Problem Using Finite Element Approach <i>A M M Mukaddes, Md. Atiqur Rahman, Abdullah Al Razi</i>	HT
6	ICMIEE-PI-140412	Design And Construction of a Portable Air Cooler <i>Gopesh Dey, Suvro Deb Sikder, Mohammad Ariful Islam</i>	HT
7	ICMIEE-PI-140416	Numerical Analysis and Comparison on Aerodynamics Characteristics of NACA-0012 & NACA-4412 <i>G.M. Hasan Shahriar, Mohammad Rashedul Hasan, Mohammad Mashud</i>	FL
8	ICMIEE-PI-140399	Study on Power Consumption and Social Aspects of Battery Operated Auto-Rickshaw <i>Md.Zulkefa Rian, Dr. A. N. M. Mizanur Rahman</i>	ET
<b>Technical Session-8</b> <b>27<sup>th</sup> December, 2014 Saturday, 9:30 AM -11:00AM</b> <b>Venue: Room No. ME 110</b> <b>Chair: Prof. Dr. Khandkar Aftab Hossain</b>			
SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140110	Design and Simulation of a Robot-Farmer for Gripping and Cutting Crops <i>Md. Hafizur Rahman, Md. Mahabubur Rahman, Md. Helal-An-Nahiyen</i>	MC
2	ICMIEE-PI-140111	Design and Simulation of an Automated Wheelchair with Vertically Adjustable Seat <i>Kazi Ehsanul Karim, Hasnayan Ahmed, Md. Helal-An-Nahiyen</i>	MC
3	ICMIEE-PI-140126	Design and Construction of a Microcontroller based Automated Railway Gate Control System <i>Mohammad Shafiqul Amin Bhuiyan, Rakib Hasan, Kutub Uddin</i>	MC
4	ICMIEE-PI-140153	Electro-Mechanical Modeling of Separately Excited DC Motor & Performance Improvement using Different Industrial Controllers with Active Circuit Realization <i>A.F.M. Sajidul Qadir</i>	MC
5	ICMIEE-PI-140154	Design and Construction of a Model of a Magnetic Train <i>Md. Ariful Islam, Md. Shafiqur Rahman, Md. Syed Ali Molla</i>	MC
6	ICMIEE-PI-140166	Real-Time Monitoring and Controlling of Remote Electrical Device Using Microcontroller and Android Smart Phone via Internet <i>Md. Hanif Ali Sohag, Md. Asif Ahamed</i>	MC
7	ICMIEE-PI-140169	Artificial Bee Colony, Firefly and Bat Algorithm in Unconstrained Optimization <i>Md. Tajmiruzzaman, Md. Asadujjaman</i>	MC
8	ICMIEE-PI-140414	Automatic Control System for Lighting of a Single Door Room with Bidirectional People Counter <i>Md. Saddam Hossain, Helal-An-Nahiyen</i>	MC



**Technical Session-9**  
**27<sup>th</sup> December, 2014 Saturday, 11:30 AM -1:00PM**  
**Venue: Seminar Room, ME**  
**Chair: Prof. Dr. Ahsan R. Chauduri**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140333	Laminar Boundary Layer Flow Separation Control at the Leading Edge of an Airfoil <i>Mohammad Mashud, G.M Hasan Shahariar, Mohammad Rashedul Hasan</i>	FL
2	ICMIEE-PI-140353	Conceptual Design of a Business Jet Aircraft <i>Jannatun Nawar, Nafisa Nawal Probha, Adnan Shariar, Abdul Wahid, Saifur Rahman Bakaul</i>	FL
3	ICMIEE-PI-140360	Design and Fabrication of a Micro-class Unmanned Aerial Vehicle with High Payload Fraction <i>Fairus Sakib Tanzim, Kh Md Faisal, Saifur Rahman Bakaul, Md Abdus Salam</i>	FL
4	ICMIEE-PI-140386	Quantifying the Contributions of Different Time-Scales to Wind Speed Using Wavelets <i>Md. Mahbub Alam , S. Rehman , L. M. Al-Hadhrami , Mohammad Russel , J.P. Meyer</i>	FL
5	ICMIEE-PI-140390	Fluid Dynamics around Two Tandem Cylinders of Different Diameters <i>Md. MahbubAlam, Longjun Wang, Xuwei Han, Yu Zhou</i>	FL
6	ICMIEE-PI-140392	Effect of Location of Cambered Spoiler on Aerodynamic Characteristics of a Car <i>Ahsan Ferdous, Minhaz Hossain, Khandkar Aftab Hossain</i>	FL
7	ICMIEE-PI-140403	Design, Construction & Performance Test of a Rotational Digital viscometer <i>Md Mahbubur Rahman, Rashedul Islam, G. M. Sultan Mahmud Rana, Mihir Ranjan Halder, Md Tareq Hassan</i>	FL
8	ICMIEE-PI-140405	Experimental and Numerical Analysis of Fluid Flow through an Orifice Meter <i>M.T.H.Mondal, M.M.Rahman, M.R.Halder</i>	FL
9	ICMIEE-PI-140423	<i>Experimental investigation on developing remote controlled and robot assisted firefighting system for better security in home, industry and forest areas</i> <i>Md. Syed Ali Molla , Md. Shafiq Sayid , Md. Muhaiminul Hassan and Md. Al, Mamun</i>	HT

**Technical Session-10**  
**27<sup>th</sup> December, 2014 Saturday, 11:30 AM -1:00PM**  
**Venue: Room No. ME 107**  
**Chair: Prof. Dr. Naseem Ahmed**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140163	Minimization of Makespan in Flow Shop Scheduling Using Heuristics <i>Md. Sanowar Hossain, Md. Asadujjaman, Md. Ashrafal Alam Nayon, Priyanka Bhattacharya</i>	IPE
2	ICMIEE-PI-140177	Study of Lean facility Layout in Garment Manufacturing Process: Focusing Sewing Section of Men's Shirt <i>M. M. Rahman, M. N. Shakib, M. S. Parvez, A. S. M. Hoque</i>	IPE
3	ICMIEE-PI-140180	Mismatch between Classroom Furniture and Anthropometric Measurements of Bangladeshi Primary School Students <i>Bhadrabati Biswas, Farzana Bintay Zahid, Rahat Ara , M.S. Parvez, A.S.M. Hoque</i>	IPE

4	ICMIEE-PI-140182	Application of Porter's Five Forces Model in Battery Manufacturing Industries of Bangladesh <i>Md. Golam Kibria, Md. Al Amin, Usama Abdullah Rifat</i>	IPE
5	ICMIEE-PI-140191	Optimization of Grinding Parameters for Minimum Surface Roughness Using Taguchi Method <i>Subrata Talapatra, Md. Fashiar Rahman, Pritom Kumar Mondal, Most. Ishat Islam</i>	IPE
6	ICMIEE-PI-140195	Flexible Job Shop Scheduling for Parallel Machine With Genetic Algorithm <i>Md. Riyad Hossain, Mr. Subrata Talapatra, Md. Kamruzzaman Rasel</i>	IPE
7	ICMIEE-PI-140219	Improvement of Energy Efficiency in a Cement Industry <i>Satwat Ahmed, Md. Kutub Uddin, S. M. Abid Hasan</i>	IPE
8	ICMIEE-PI-140420	Design and Construction of an Automatic Gas Welding System <i>Muhtasim Zarif Siraj, Md. Golam Kader</i>	IPE
9	ICMIEE-PI-140417	Determining Critical Success Index for TQM Implementation A Case Study Of Cable Industry <i>Farjana Nur, N.U.I Hossain, Mahmud Ullah</i>	IPE
<b>Technical Session-11</b> <b>27<sup>th</sup> December, 2014 Saturday, 11:30 AM -1:00PM</b> <b>Venue: Room No. ME 108</b> <b>Chair: Prof. Md. Golam Kader</b>			
SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140223	Backward Linkage with Farmers: Shwapno's Sourcing of Fresh Fruits and Vegetables <i>Muztoba Ahmad Khan, Syed Noor-A-Zaman</i>	IPE
2	ICMIEE-PI-140224	Transportation Cost Optimization Model Using Linear Programming <i>Muztoba Ahmad Khan</i>	IPE
3	ICMIEE-PI-140227	Defect Analysis of an Apparel Industry by Using Design of Experiment Method <i>Mr. Subrata Talapatra, Chandnee Das, Md. Shamsur Rahman</i>	IPE
4	ICMIEE-PI-140244	Green Lean Approach to Minimize the Environmental Wastes of Cement Industry <i>Ashma Ahmed</i>	IPE
5	ICMIEE-PI-140253	Application of Branch and Bound Algorithm for solving Flow Shop Scheduling Problem then Compare It With Tabu Search Algorithm <i>Mr. Subrata Talapatra, Md. Shamsur Rahman, Chandnee Das, Utpal Kumar Dey</i>	IPE
6	ICMIEE-PI-140262	A Mismatch between Seat Measurements and Body Dimensions of Truck Drivers in Bangladesh <i>Tamanna Mahamud, Shams-E Ara Noor, Pobitra Kumar Halder, Sarojit Kumar Biswas</i>	IPE
7	ICMIEE-PI-140264	Effect of Different Casting Variables on Casting Quality <i>Tasmia Zaman, A. Hafiz Zaman</i>	IPE
8	ICMIEE-PI-140421	Gating System in Thin Walled Copper Alloy Casting <i>Barun Kumar Das, Milan Mukherje, Pradip Kumar Saha and Prasanta Kumar Datta</i>	IPE
9	ICMIEE-PI-140419	Analysis of Supply Chain Efficiency and Suggestions for Improvement, A Case Study <i>Md. Rezaul Karim, AKM Sarower Kabir, Md. Aslam Khan, Md. Minul Ehsan, S.K.Biswas</i>	IPE

**Technical Session-12**  
**27<sup>th</sup> December, 2014 Saturday, 11:30 AM -1:00PM**  
**Venue: Room No. ME 110**  
**Chair: Dr. Sobahan Mia**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140181	Vertical (VTOL) & Short (STOL) Takeoff and Landing for Modern Jet Powered Aircraft: A Problem to Carry Heavy Payload & Its Solution <i>Md Saifuddin Ahmed Atique, Nafisa Nawal Probha, Asif Shahriar Nafi</i>	MC
2	ICMIEE-PI-140199	Design, Development & Comparison of Temperature Regulation Units for Incubator by Analogous Methods <i>Zinat Ara Nisha, A.H.M Fazle Elahi</i>	MC
3	ICMIEE-PI-140201	Material Transferring Robot in a Production System <i>Md. Mizanur Rahman, Md. Golam Kibria, Mahadi Hasan Tushar</i>	MC
4	ICMIEE-PI-140266	Development of Programmable Logic Controller Based Self Controlled Egg Incubator <i>A. Hafiz Zaman, Md. Jakir Hossen, Md. Emdadul Hoque, Sourav Sarker</i>	MC
5	ICMIEE-PI-140272	Design of an Accessible Door System in High Floor Buses for Wheel Chair Users <i>Md. Hafizur Rahman, S.M. Mahbobur Rahman, Asif Tanvir Bhuiya, Shadman Sakib</i>	MC
6	ICMIEE-PI-140282	Autonomous Robot Path Planning Using Particle Swarm Optimization in Dynamic Environment with Mobile Obstacles & Multiple Target <i>Md. Rakibul Islam, Md. Mahfizul Haque Muftee, Md. Arafat Hossain, Md. Sanowar Hossain, Md. Tajmiruzzaman, Md. Estiak Ahmmed</i>	MC
7	ICMIEE-PI-140307	Development of an Automatic Board wiping system using Microcontroller <i>Imam-Ul-Ferdous, A.H.M Fazle Elahi</i>	MC
8	ICMIEE-PI-140356	An Android Controlled Mobile Robot for Stereo Vision and Live Streaming with Robotic Arm <i>Md. Muhaimin Rahman, Nowab Aminul Haque Khaled, Mehedi Hassan, Ashik-E-Rasul</i>	MC

**Technical Session-13**  
**27<sup>th</sup> December, 2014 Saturday, 2:30 PM -4:00PM**  
**Venue: Seminar Room, ME**  
**Chair: Prof. Dr. Mahbub Alam**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140103	Performance Investigation of a Wet Counter flow Type cooling Tower with Corrugated Film Fill <i>Rifat-E-Nur Hossain, Md. Nawsher Ali Moral, Muzahidul Islam</i>	HT
2	ICMIEE-PI-140107	Design & Analysis of a Model Combustion Chamber of Gas Turbine <i>Samsul Arfin Mahmood, Mahabub Hasan, Md. Siddiqur Rahman</i>	HT

3	ICMIEE-PI-140119	Implementation of a Waste-Heat Driven Vapor Absorption-Based Car Air Conditioning System <i>Md. Hasib Hossen , Md. Towhidur Rahman</i>	HT
4	ICMIEE-PI-140238	Heat Transfer Augmentation of Cylinder Block by using Permeable Fin over Solid Fin by Using CFD Analysis <i>Jaber Al Hossain, Kazi Ehsanul Karim, A. H. M. Fazle Elahi</i>	HT
5	ICMIEE-PI-140254	Design, Construction and Performance Test of Generator and Condenser for a Small Capacity Vapor Absorption Cooling System <i>Faisal Ahmed ,Dipayan Mondal , Mohammad Ariful Islam</i>	HT
6	ICMIEE-PI-140406	Generation of Various Micropattern Using Microlens Projection Photolithography <i>Md. Nazmul Hasan, Md. Momtazur Rahman, Md. Jahid Hasan</i>	HT
7	ICMIEE-PI-140299	Effects of Radiation on Unsteady MHD Boundary Layer Flow about an Inclined Porous Stretching Sheet with Variable Thermal Conductivity <i>Mohammad Shah Alam, Mohammad Ali</i>	HT
8	ICMIEE-PI-140413	Simulation Investigation on Flow Characteristics for the Flow over a Propeller used in VTOL RC Aircrafts <i>S. M. Mahbobur Rahman, Mohammad Mashud</i>	FL
<b>Technical Session-14</b> <b>27<sup>th</sup> December, 2014 Saturday, 2:30 PM -4:00PM</b> <b>Venue: Room No. ME 107</b> <b>Chair: Prof. Dr. Md. Kutub Uddin</b>			
SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140265	Evaluation of Surface Roughness, and Roundness Error Using Taguchi Method in Drilling of Carbon Steel <i>Mst.Nazma Sultana, Asma Akther</i>	IPE
2	ICMIEE-PI-140276	Effect of Cutting Parameters on Surface Roughness in Turning of AISI-A48 white Cast Iron using different Cutting Fluids <i>Mst.Nazma Sultana, Muhtasin Fuad Ifan</i>	IPE
3	ICMIEE-PI-140277	Ergonomic Design of Garments Furniture for Bangladeshi Workers based on Anthropometric Measurement <i>M. I. Ali, M. S. Rahman, M.S. Parvez, A.S.M. Hoque</i>	IPE
4	ICMIEE-PI-140291	Utilization of Waste Plastic to Save the Environment <i>Nahid Newaj, Mahadi Hasan Masud</i>	IPE
5	ICMIEE-PI-140308	Application of Particle Swarm Optimization & Other Optimization Techniques in Random Environment of Aggregate Production Planning <i>Md. Rakibul Islam, Md. Shahriar Aziz, Md. Mahfuzul Haque Muftee, Md. Sanowar Hossain</i>	IPE
6	ICMIEE-PI-140311	Optimization of Metal Removal Rate for AISI 1020 Mild Steel in Turning Operation by Lathe Machine <i>Md. Maksudul Islam, Lipon Kumar Sarkar, Md. Rafiquzzaman</i>	IPE
7	ICMIEE-PI-140337	Application of Reengineering Principles in a Local Industry <i>Sayem Ahmed, Minhajul Islam, Rafi Ahmed, Saifullah-Al-Munsur, S. K. Biswas</i>	IPE
8	ICMIEE-PI-140420	Design and Construction of an Automatic Gas Welding System <i>Muhtasim Zarif Siraj, Md. Golam Kader</i>	IPE
9	ICMIEE-PI-140368	Providing Efficient Maintenance Schedule for HVAC System of Square Pharmaceuticals Limited <i>Khairun Nahar, Md. Pavel Ali, Sharmin Aktar</i>	IPE

**Technical Session-15**  
**27<sup>th</sup> December, 2014 Saturday, 2:30 PM -4:00PM**  
**Venue: Room No. ME 108**  
**Chair: Prof. Dr. Mihir Ranjan Haldar**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140228	Seamless Jute Bag: A Novelty in Eco-Friendly Packaging <i>Toufique Ahmed, Md. Shahidul Kader</i>	MSE
2	ICMIEE-PI-140250	A Review of Properties of Advanced Aerospace Materials <i>Md. Anisul Islam, Istaqur Rahman</i>	MSE
3	ICMIEE-PI-140251	Interface Stress Analysis of Two Bonded Isotropic Materials by Finite Difference Method <i>A. I. Khan, Yeasin Bhuiyan, Abdus Salam Akanda</i>	MSE
4	ICMIEE-PI-140287	Polymer Composites: A Blessing to Modern Aerospace Engineering <i>Md Saifuddin Ahmed Atique, Nafisa Nawal Probha, Asif Shahriar Nafi</i>	MSE
5	ICMIEE-PI-140290	Observation of Mechanical Properties of Fiber Reinforced Polymer Matrix Composite <i>Tasmia Zaman , Md. Abdullah Al Mahmood</i>	MSE
6	ICMIEE-PI-140296	An Adaptive Mesh Refinement Scheme for the Solution of Mixed-Boundary Value Problems <i>A. I. Khan, Abdus Salam Akanda, Asma Akhter</i>	MSE
7	ICMIEE-PI-140301	An Investigation on the Variation of Woven Fabric Properties made from regular Ring Spun, Compact & SIRO Spun Yarn <i>Kazi Sowrov, Mashud Ahmed</i>	MSE
8	ICMIEE-PI-140304	Study on the Mechanical Properties of Glass Fiber Reinforced Epoxy-based Composites <i>A.H.M Fazle Elahi, Md. Milon Hossain, Shahida Afrin, Mubarak A. Khan</i>	MSE
9	ICMIEE-PI-140395	Fundamental Solution of 3D Transversely Isotropic Elastic Material <i>Md. Mazharul Islam, Mahesh Kumar Sah, Md. Sadekur Rahaman, Md. Sobur Ali1, Md. Zahidul Islam</i>	MSE

**Technical Session-16**  
**27<sup>th</sup> December, 2014 Saturday, 2:30 PM -4:00PM**  
**Venue: Room No. ME 110**  
**Chair: Dr. Md. Shahidul Islam**

SI No.	Paper ID	Paper Title & Author(s)	Remarks
1	ICMIEE-PI-140222	Automated Restaurant Food Service Management system using a Line Follower Robot <i>Asma-Ul-Husna, Md. Rokonuzzaman, Md. Shahinur Rahman, Mahjabeen Hossain Mim</i>	MC
2	ICMIEE-PI-140370	Safety Condition in Rural Engineering Workshop in Bangladesh <i>Md. Arafat Hossain, Mahbubur Rahman</i>	MIS
3	ICMIEE-PI-140371	Aquatic Effluence Triggered by Tannery During Beamhouse and Chrome Tanning Operations at Hazaribagh, Bangladesh <i>Md. Abdul Zalil, Md. Abul Hashem, Abu Jor</i>	MIS

4	ICMIEE-PI-140384	Development of a Control System and Modelling of an Automatic Window <i>Md.Armin Islam, Ishtiaq reza Emon, Md. Zahid Hasan</i>	MC
5	ICMIEE-PI-140404	Design, Construction and Performance Test of a Rain Sensing Shade <i>S. S. Roy, T. C. Karmoker, M. R. Halder, Farjana Nur</i>	MC
6	ICMIEE-PI-140409	Development of an Unmanned Aerial Vehicle (UAV) and its Remote Controlling System <i>Md. Syed Ali Molla, Md. A. Rahim</i>	MC
7	ICMIEE-PI-140418	Design and Construction of a Digital Anemometer <i>Niaz Ahmad, Hari Krishna Kumar Sha, Md. Saddam Hossain, Mohammad Ariful Islam</i>	MC
8	ICMIEE-PI-140415	Production of Titania Stabilized Alumina Ceramic Cutting Tool <i>Md. Tanvir Faisal, Md. Mohar Ali Bepari</i>	MSE