

ICMIEE-2016 Conference Programme

Date: 25th December 2016

3:00PM-6:00PM	Registration
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Date: 26th December 2016

8:30 AM~	Registration			
10:00AM-10:45AM	Inaugural Session Venue: Auditorium, KUET Chief Guest: Prof. Dr. M. H. Khan, Ex-Vice-Chancellor, BUET Chairman: Prof. Dr. Muhammed Alamgir, Vice-Chancellor, KUET Organizing Chair: Prof. Dr. Mihir Ranjan Halder, Dean, Faculty of Mechanical Engineering, KUET			
10:45AM-11:00AM	Tea Break			
11:00AM-1:00PM	Plenary Session I: Venue: Auditorium, KUET Chair: Prof. Dr. Md. Nawsher Ali <ol style="list-style-type: none"> 1. Environmental Impact Assessment of Different Renewable Energy Technologies: A Review Prof. Dr. A.K.M. Sadrul Islam (Islamic University of Technology (IUT), BANGLADESH) 2. Automobile Maintenance in the Context of Bangladesh Prof. Dr. Sirajul Karim Choudhury (Rajshahi University of Engineering & Technology (RUET), BANGLADESH) 			
1:00PM-2:00PM	Lunch Break			
2:00PM-3:30PM	Parallel Sessions (I, II, III, IV)			
	Technical Session I Room A Seminar Room, ME Instrumentation and Control I Chair: Prof. Dr. Kh. Aftab Hossain, KUET. Co-chair: Dr. Abdullah-Al-Faruk, KUET. Paper No.: 105, 109, 141, 150, 327, 333, 346, 353	Technical Session II Room B Room No.: 107, ME Industrial Engineering 1 Chair: Prof. Dr. Md Kutub Uddin (KUET, Bangladesh) Co-chair: Dr. Md. Rafiquzzaman, KUET. Paper No.: 294, 299, 344, 349, 359, 362, 364	Technical Session III Room C Room No.: 300E1, ME Energy Engineering 1 Chair: Prof. Dr. A. N. M. Mizanur Rahman (KUET, Bangladesh) Co-chair: Mr. Monjur Morshed, KUET. Paper No.: 104, 127, 157, 160, 208, 225, 276	Technical Session IV Room D Room No.: 300E3, ME 1. Applied Mechanics 2. Robotic and Mechatronics 3. Leather Engineering 1 Chair: Dr. Md. Mozasser Rahman (International Islamic University, Malaysia) Co-chair: Dr. Md. Abdullah-Al-Mamun, KUET. Paper No.: 360, 363, 148, 368, 162, 202, 247
3:30PM-4:00PM	Tea and Prayer Break			

4:00PM-5:15PM	Parallel Sessions (V, VI, VII, VIII)			
	Technical Session V Room A Seminar Room, ME Heat and Mass Transfer 1 Chair: Prof. Dr. Md. Nawsher Ali (KUET, Bangladesh) Co-chair: Dr. Zahir Uddin Ahmed, KUET. Paper No.: 117, 120, 122, 152, 232, 234	Technical Session VI Room B Room No.: 107, ME Leather Engineering 2 Chair: Dr. Md. Abul Hashem (KUET, Bangladesh) Co-chair: Dr. Md. Elias Uddin, KUET. Paper No.: 200, 201, 258, 303, 326, 367, 374	Technical Session VII Room C Room No.: 300E1, ME Industrial Engineering 2 Chair: Prof. Dr. Abul Mukid Mohammad Mukaddes (SUST, Bangladesh) Co-chair: Dr. Md. Rafiquzzaman, KUET. Paper No: 108, 118, 129, 133, 135, 185	Technical Session VIII Room D Room No.: 300E3, ME Textile Engineering Chair: Dr. Mohammad Abdul Jalil (KUET, Bangladesh) Co-chair: Mr. Moni Sankar Mondal, KUET. Paper No. : 167, 181, 197, 214, 338
5:15PM-6:00PM	Prayer Break			
6:30PM-9:30PM	Conference dinner Venue: Hotel City Inn Ltd, Khulna.			

Date: 27th December 2016

9:00AM~	Registration			
9:30AM-11:00AM	Parallel Session (IX, X, XI, XII)			
	Technical Session IX Room A Seminar Room, ME Aerodynamics Chair: Prof. Dr. Mohammad Mashud (KUET, Bangladesh) Co-chair: Dr. Md. Shariful Islam, KUET. Paper No.: 138, 199, 281, 320, 321, 325, 384	Technical Session X Room B Room No.: 107, ME Manufacturing and Production Engineering Chair: Prof. Dr. Tarapada Bhowmick (KUET, Bangladesh) Co-chair: Mr. Subrata Talapatra, KUET. Paper No.: 119, 137, 156, 212, 213, 224, 242	Technical Session XI Room C Room No.: 300E1, ME Fluid Mechanics and Fluid Machinery Chair: Prof. Dr. Khandkar Aftab Hossain (KUET, Bangladesh) Co-chair: Dr. Abdullah-Al-Faruk, KUET. Paper No.: 121, 124, 169, 195, 283, 314, 379, 381	Technical Session XII Room D Room No.: 300E3, ME Heat and Mass Transfer I Chair: Prof. Dr. Mohammad Ariful Islam (KUET, Bangladesh) Co-chair: Dr. Md. Ilias Inam, KUET. Paper No.: 257, 268, 296, 298, 350, 369, 378
11:00AM-11:30AM	Tea Break			
11:30AM-01:00PM	Parallel Session (XIII, XIV, XV, XVI)			
	Technical Session XIII Room A Seminar Room, ME Material and Composites Chair: Prof. Dr. M. Iqbal (SUST, Bangladesh) Co-chair: Prof. Dr. Md. Shahidul Islam (KUET, Bangladesh) Paper No.: 110, 126, 238, 289, 336, 337, 339, 345, 375	Technical Session XIV Room B Room No.: 107, ME Instrumentation and Control II Chair: Dr. Md. Mozasser Rahman (International Islamic University, Malaysia) Co-chair: Dr. Md. Rafiquzzaman, KUET. Paper No.: 211, 231, 251, 253, 254, 279, 335, 347	Technical Session XV Room C Room No.: 300E1, ME Energy Engineering II Chair: Prof. Dr. A. N. M. MizanurRahman (KUET, Bangladesh) Co-chair: Mr. Md. Shameem Hossain, KUET. Paper No.: 334, 348, 356, 358, 372, 380, 383	Technical Session XIV Room D Room No.: 300E3, ME 1. Refrigeration & Air Conditioning 2. Related Topics Chair: Prof. Dr. Sobahan Mia (KUET, Bangladesh) Co-chair: Mr. Dipayon Mondal, KUET. Paper No.: 215, 277, 370, 284, 313, 371, 376, 377, 382
01:00PM-2:00PM	Prayer and Lunch Break			

2:00PM-3:00PM	Plenary Session II: Chair: Human-Friendly Robot and Bio-inspired robot: New Challenge in Robotics Dr. Md. Mozasser Rahman International Islamic University, Malaysia Venue: Seminar Room, ME (Room A)
3:00-4:00	Closing Ceremony Venue: Seminar Room, ME (Room A)
4:00PM-4:450PM	Tea and Prayer Break

Plenary Session I 26th December 2016, Monday, 11:00 AM- 1:00 PM Room A (Seminar Room, ME) Chair: Prof. Dr. Md. Nawsher Ali (KUET, Bangladesh)		
P1	ICMIEE-PI-KN1	Environmental Impact Assessment of Different Renewable Energy Technologies: A Review Prof. Dr. A.K.M. Sadrul Islam Islamic University of Technology , BANGLADESH
P2	ICMIEE-PI-KN2	Automobile Maintenance in the Context of Bangladesh Prof. Dr. SirajulKarimChoudhury RajshahiUniversity of Engineering & Technology (RUET), BANGLADESH
Plenary Session II 27th December 2016, Tuesday, 2:00 PM- 3:00PM Room A (Seminar Room, ME) Chair:		
P4	ICMIEE-PI-KN4	Human-Friendly Robot and Bio-inspired robot: New Challenge in Robotics Dr. Md. MozasserRahman International Islamic University, MALAYSIA

Technical Session I Instrumentation and Control 1 26th December 2016, Monday, 2 PM- 3:30PM, Room A (Seminar Room, ME) Chair:		
1.1	ICMIEE-PI-	Automatic Base Drum for Handicapped Person

	160105	<i>Nirvik Podder</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
1.2	ICMIEE-PI-160109	<u>Implementation of a Security System with a Biometric Identification and Data Storage System</u> <i>Md. SadmanAkand, Farida Ahmed Koly</i> Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong-4349,BANGLADESH
1.3	ICMIEE-PI-160141	<u>Design and Online Control of a Single Channel Myoelectric Prosthetic Arm</u> <i>Ezazul Haque Sabuz, Md. Shariful Islam</i> Department of Mechanical Engineering, Bangladesh University of Engineering and Technology, Dhaka-1000,BANGLADESH
1.4	ICMIEE-PI-160150	<u>Fabrication and Performance Study of a Radio Controlled Amphibious Vehicle with Dual Propulsion System</u> <i>Md Raihan Ali Khan, Sazin Ahmed, Shadman Tahmid, M. A. R. Sarkar</i> Department of Mechanical Engineering, Bangladesh University of Engineering and Technology, Dhaka,BANGLADESH
1.5	ICMIEE-PI-160327	<u>Development of Railway Security System by Detecting the Removed Fishplate.</u> <i>Tilok Kumar Das, Shafaeat Ullah Shoaib' Salah Uddin Haider</i> Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong-4349,BANGLADESH
1.6	ICMIEE-PI-160333	<u>Design and Construction of an Automatic Wheel Chair</u> <i>Iftekhhar mahmud, Somnath Somadder</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
1.7	ICMIEE-PI-160346	<u>Traffic Controlling Automated System Using Cam Follower Mechanism in Dhaka City</u> <i>Nirvik Podder¹, Md. AmanullahKabir²</i> ¹ Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH ² Department of Textile Engineering, AtishDipankar University of Science and Technology,Dhaka,BANGLADESH
1.8	ICMIEE-PI-160353	<u>Design and Construction of an Area Covering and Product Carrying Solar Car</u> <i>Md. Saddam Hossain, Dr. A.N.M. Mizanur Rahman</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
Technical Session II Industrial Engineering 1 26th December 2016, Monday, 2:00 PM- 3:30PM, Room B (Room No.: 107, ME) Chair: Prof. Dr. MdKutubUddin (KUET, Bangladesh)		
2.1	ICMIEE-PI-160200	<u>Determination of Critical Success Factors for TQM Implementation:A Case Study For the Footwear Industry</u> <i>Md. Zahid Hasan, Md. Nazmul Hasan, Muhammad Naimul Hasan</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
2.2	ICMIEE-PI-160294	<u>Study of Management, Operation and Maintenance System of an Automatic Brick Manufacturing Industry</u>

		<i>Md. Golam Kader, Md. Shariful Islam, Md. Zahidul Islam</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,, BANGLADESH
2.3	ICMIEE-PI-160299	<u>DETERMINATION OF REQUIRED NUMBER OF CNG REFUELING STATIONS WITH DEFINING LOCATION IN SYLHET CITY</u> <i>¹Abul Mukid Mohammad Mukaddes, ²Arup Dey, ³Pabtria Dhar</i> ^{1,3} Department of Industrial and Production Engineering, Shahjalal University of Science and Technology, BANGLADESH ² Department of Industrial and Production Engineering, Bangladesh University of Engineering and Technology, BANGLADESH
2.4	ICMIEE-PI-160344	<u>Analysis of Statistical Process Control (SPC) in PVC Pipe Manufacturing Industry</u> <i>Tanzina Afrin, Md. Golam Kibria</i> Department of Industrial Engineering and Management, Khulna University of Engineering and Management, Khulna, BANGLADESH
2.5	ICMIEE-PI-160349	<u>Analysis of Root Causes of Road Congestion Problem in Dhaka City</u> <i>Iftexhar Islam, Shyamal Kanti Biswas, Mohammad Sarwar Morshed</i> Industrial and Production Engineering (IPE), Department of Mechanical and Production Engineering, Ahsanullah University of Science & Technology, Dhaka-1208, BANGLADESH
2.6	ICMIEE-PI-160359	<u>Solving a Layout Design Problem by applying SLP and AHP Techniques</u> <i>Syed Misbah Uddin, Md. Nurul Afser, Shatrudhan Kumar Yadav, Mohammad Abdul Karim</i> Department of Industrial and Production Engineering Shahjalal University of Science and Technology, Sylhet, BANGLADESH
2.7	ICMIEE-PI-160362	<u>Existing Occupational Health Hazards of Selected Tea Gardens Workers in Sylhet, Bangladesh</u> <i>M. Iqbal¹, M. A. Karim¹, Sayed Mesbah¹, Iftexhar Ahmad² and Salma Akhter³</i> ² Department of Food Engineering and Tea Technology, Shahjalal University of Science and Technology, Sylhet-3114, BANGLADESH ³ Department of Chemical Engineering & Polymer Science, Shahjalal University of Science and Technology, Sylhet-3114, BANGLADESH
2.8	ICMIEE-PI-160364	<u>Obstacles of TOM implementation in RMG Industry: A case Study of Some RMG Companies of Bangladesh</u> <i>Subrata Talapatra¹, Md. Kutub Uddin²</i> ¹ Department of Industrial Engineering and Management, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH ² Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
Technical Session III Energy Engineering1 26th December 2016, Monday, 2:00 PM- 3:30PM, Room C (Room No.: 300E1, ME) Chair: Prof. Dr. A. N. M. Mizanur Rahman (KUET, Bangladesh)		
3.1	ICMIEE-PI-160104	<u>Life Cycle Energy and Emission Analysis of a Crystalline Silicon PV Module</u> <i>Md. Shazib Uddin, Md. Saiful Islam and Manjur Morshed</i> Department of Mechanical Engineering, Rajshahi University of Engineering & Technology, Rajshahi-6204, BANGLADESH
3.2	ICMIEE-PI-160127	<u>Study on Fuel Cost Analysis of Three-wheeler</u> <i>Spondan Tarafder¹, Mazumder, Arnob²</i> ¹ Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH ² Department of Electrical & Electronic Engineering, American International University-Bangladesh, Dhaka-1213, BANGLADESH

3.3	ICMIEE-PI-160157	<p><u>Recovery of Hydrocarbon Fuel from Mixture of Municipal Waste Plastics Using Catalysts</u></p> <p><i>Raihan Ahamed¹, Md. Shameem Hossain², Mizanul Haque¹ and Salma A. Iqbal¹</i></p> <p>¹Department of Chemical Engineering & Polymer Science, Shahjalal University of Science & Technology, Sylhet-3114, BANGLADESH ²Department of Energy Science and Engineering, Khulna University of Engineering & Technology, Khulna, BANGLADESH</p>
3.4	ICMIEE-PI-160160	<p><u>Production of Biodiesel from Palm Oil and Performance Test with Diesel in CI Engine</u></p> <p><i>Md. Rafsan Nahian^{1*}, Md. Nurul Islam¹, Shaheen Mahmud Khan²</i></p> <p>¹Department of Mechanical Engineering, Rajshahi University of Engineering & Technology, Rajshahi-6204, BANGLADESH ²Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
3.5	ICMIEE-PI-160208	<p><u>A Future Development Proposal for Micro Hydropower Plant in Bangladesh</u></p> <p><i>Md. Golam Kader, Anik Das Anto, Ashrafal Alam</i></p> <p>Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
3.6	ICMIEE-PI-160225	<p><u>Production of Biodiesel Fuels from Castor Oil Using H₂SO₄ as Catalyst</u></p> <p><i>Mohammad Siddiqur Rahman^{1*}, Md. Shameem Hossain¹ and Md. Nawsher Ali Moral²</i></p> <p>¹Department of Energy Science and Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH ²Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
3.7	ICMIEE-PI-160276	<p><u>Feasibility Study of Wind Power Generation by Wind Turbine in Bangladesh</u></p> <p><i>Md. Golam Kader, Md. Mahmudul Alam, Amit Sutradhar</i></p> <p>Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
<p>Technical Session IV</p> <p>1. Applied Mechanics</p> <p>2. Robotic and Mechatronics</p> <p>3. Leather Engineering 1</p> <p>26th December 2016, Monday, 2:00 PM- 3:30PM, Room D (Room No.: 300E3, ME)</p> <p>Chair: Dr. Md. Mozasser Rahman (International Islamic University, Malaysia)</p>		
<p>Applied Mechanics</p>		
4.1	ICMIEE-PI-160360	<p><u>Stress Investigations Between Conventional and A Modified Design of A Connecting Rod for Internal Combustion Engines</u></p> <p><i>Antu Datta, Zahir U. Ahmed</i></p> <p>Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
4.2	ICMIEE-PI-160363	<p><u>Design and Construction of Oil Expeller Press with Structural Analysis of Screw with Ansys</u></p> <p><i>Md. Habib Ullah Khan, Dipayan Mondal, Shahidul Hoque</i></p> <p>Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
<p>Robotic and Mechatronics</p>		
4.3	ICMIEE-PI-160148	<p><u>Design and Fabrication of a Rough Terrain Robot Using Locally Available Low Cost Materials</u></p>

		<i>Nashiyat Fyza, Faiaz Faisal and M. A. Rashid Sarkar</i> Department of Mechanical Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka-1000, BANGLADESH
4.4	ICMIEE-PI-160368	<u>Design and Construction of a Robotic Arm for Industrial Automation</u> <i>Md. Tasnim Rana, Md. Habib Ullah Khan</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
Leather Engineering I		
4.5	ICMIEE-PI-160162	<u>In-situ Synthesis of Reduced Graphene Oxide - NiFe₂O₄ Nanocomposites and Its Electrochemical Applications</u> <i>Md. Elias Uddin, Abu Jor</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
4.6	ICMIEE-PI-160202	<u>Bond Strengths Analysis of Polyurethane and Polychloroprene Adhesives for Different Upper and Soling Materials</u> <i>Muhammad Naimul Hasan, Md. Imrul Kayes Limon, Md. Samsul Arefin, Md. Zahid Hasan</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
4.7	ICMIEE-PI-160247	<u>A New Approach to Develop Footwear Pattern by Using SolidWorks Software</u> <i>Md. Imrul Kayes Limon, Md. Sharif Uddin, Md. Sharif Ashrafe</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH

Technical Session V
Heat and Mass Transfer 1
26th December 2016, Monday, 4:00 PM- 5:15PM, Room A (Seminar Room, ME)
Chair: Prof. Dr. Md. Nawsher Ali (KUET, Bangladesh)

5.1	ICMIEE-PI-160117	<p><u>Analysis of Heat Transfer Performances for Different Geometrical Shape Material Bars with Same Surface Area</u></p> <p><i>Md. Rafikur Rahman</i> Department of Mechanical & Production Engineering, Ahsanullah University of Science & Technology, Dhaka-1000,BANGLADESH</p>
5.2	ICMIEE-PI-160120	<p><u>Simulation of Heat Transfer and Fluid Flow in the Thermal Hydraulic Sub-channel of a Pressurized Water Reactor</u></p> <p><i>Mohammad AdomSafiullah, Muhammad Rubayat Bin Shahadat, Md. Raf E UIShougat, M.A.R.Sarkar</i> Department of Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka-1000,BANGLADESH</p>
5.3	ICMIEE-PI-160122	<p><u>Mixed ConvectionHeat Transfer Analysis in an Inclined Rectangular Channel with Discrete MultipleSlot Heaters</u></p> <p><i>Araf Al Rafi , Md. Tanvir Akhtar Tonmoy , Md. Farhadul Islam, Mohammad Nasim Hasan</i> Department of Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka-1000, BANGLADESH</p>
5.4	ICMIEE-PI-160152	<p><u>Unsteady Pure Mixed Convection inside Square Ventilated Cavity Containing Rotating Heated Cylinder</u></p> <p><i>NanditaChakrabartyJhumur, SouravSaha, Mir Jalal Ahmad, Raihan Khan, ShadmanTahmidSuhrid</i> Department of Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka-1000,BANGLADESH</p>
5.5	ICMIEE-PI-160232	<p><u>Design Construction and Performance Test of a Tube in Tube Water to Water Rectangular Heat Exchanger</u></p> <p><i>Preyjon Dey , Prosenjit Biswas</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH</p>
5.6	ICMIEE-PI-160234	<p><u>Development of a software to design tube in tube heat exchanger</u></p> <p><i>Prosenjit Biswas</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH</p>

Technical Session VI
Lather Engineering 2
26th December 2016, Monday, 4:00 PM- 5:15PM, Room B (Room No.: 107, ME)
Chair: Dr. Md. AbulHashem(KUET, Bangladesh)

6.1	ICMIEE-PI-160201	<p><u>Estimation of VOCs Emission from Different Adhesives Used in Shoe Manufacturing</u></p> <p><i>Md. Nymul Hasan, Trenath Paul, Muhammad Naimul Hasan, Md. Abul Hashem</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
6.2	ICMIEE-PI-160258	<p><u>Chromium Removal from the Tannery Wastewater Using Biosorbent</u></p> <p><i>Md. Abul Hashem, Md. Abdul Momen, Mehedi Hasan, Abul Hasan</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
6.3	ICMIEE-PI-160303	<p><u>Solids Removal from Tannery Beam House Wastewater by Adsorption onto Commercial Grade Granular Activated Carbon: Optimization, Isotherm, Kinetics and Regeneration Studies.</u></p> <p><i>Rajan Kumar Raha, Henry Roy, Mahfuz Ahmed Akash and Md. Fahmidur Rahman</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
6.4	ICMIEE-PI-160326	<p><u>Sheep Intestine Catgut String could be Used for Footwear Material</u></p> <p><i>QuaziFarjana Lamia, SurojitMondal, Md. SamsulArefin, Md. AbulHashem</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
6.5	ICMIEE-PI-160367	<p><u>Assessment of Kinetic Coefficients for Chrome Tannery Wastewater Treatment by Activated Sludge System</u></p> <p><i>Md. Ariful Islam Juel, Shaikh Abu Syed and Thuhin Kumar Dey</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
6.6	ICMIEE-PI-160374	<p><u>Tannery Wastewater Treatment by Simple Coagulation-Filtration Process Using Low Cost Coagulants</u></p> <p><i>Bishnu Chandra Barman, Md. Ariful Islam Juel, Md. AbulHashem</i> Department of Leather Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>

Technical Session VII
Industrial Engineering 2
26th December 2016, Monday, 4:00 PM- 5:15PM, Room C (Room No.: 300E1, ME)
Chair: Prof. Dr. AbulMukid Mohammad Mukaddes (SUST, Bangladesh)

7.1	ICMIEE-PI-160108	<p><u>Automobile Location Selection in Bangladesh</u></p> <p><i>Md. Mahbubur Rahman¹, Md. Sumon Rahman^{2,*}, Dr. Md. Rafiquzzaman³</i> ^{1,3}Department of Industrial Engineering and Management, Khulna University of Engineering & Technology, BANGLADESH ²Department of Industrial and Production Engineering, Jessore University of Science & Technology, BANGLADESH</p>
7.2	ICMIEE-PI-160118	<p><u>Identification and Elimination of Risks of the Internal Supply Chain of Ready Made Garments (RMG): A Case Study</u></p> <p><i>Md. SanoarHosin, Pritom Kumar Mondal, ProhladSarkar</i> Department of Industrial Engineering and Management, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
7.3	ICMIEE-PI-160129	<p><u>Productivity Improvement through the Application of Systematic Layout Planning Technique</u></p> <p><i>Dr. Md. Ariful Islam, Dr. Choudhury Abul Anam Rashed, Jahid Hasan</i> Department of Industrial and Production Engineering, Shahjalal University of Science & Technology, Sylhet-3114, BANGLADESH</p>
7.4	ICMIEE-PI-160133	<p><u>Productivity Factor Analysis in Cement Industries of Bangladesh</u></p> <p><i>Dr. MohammadMuhshinAzizKhan, Dr. Md. Ariful Islam, Syeda Kumrun Nahar</i> Department of Industrial and Production Engineering, Shah Jalal University of Science & Technology, Sylhet-3114, BANGLADESH</p>
7.5	ICMIEE-PI-160135	<p><u>Application of Analytical Hierarchy Process and Goal Programming for Supplier Selection Applicable to Ready-made Garments Sector in Bangladesh</u></p> <p><i>Dr. Md. Ariful Islam, Dr. Mohammad Muhshin Aziz Khan, Shanta Saha</i> Department of Industrial and Production Engineering, Shahjalal University of Science & Technology, Sylhet-3114, BANGLADESH</p>
7.6	ICMIEE-PI-160185	<p><u>A Case Study on Facility Location Selection for a Manufacturing Industry in Bangladesh</u></p> <p><i>Nusrat Hossain Zerín, Md. Liaqut Hossain</i> Department of Industrial Engineering and Management, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>

Technical Session VIII
Textile Engineering
26th December 2016, Monday, 4:00 PM- 5:15PM, Room D (Room No.: 300E3, ME)
Chair: Dr. Mohammad Abdul Jalil(KUET, Bangladesh)

8.1	ICMIEE-PI-160167	<p><u>Experimental Investigation and Analysis of Mechanical Behavior of Jute Fabric Reinforced Polyester Composites</u></p> <p><i>Subrata Chandra Das¹, Debasree Paul², Md. Abu Bakar Siddiquee³, Jahid M. M. Islam⁴, Mubarak Ahmad Khan^{4,*}</i></p> <p>¹Pabna Textile Engineering College, Pabna-6600, Ministry of Textiles and Jute, Dhaka, BANGLADESH ²Department of Textile Engineering, Khwaja Yunus Ali University, Sirajgonj-6751, BANGLADESH ³Department of Textile Engineering, Mawlana Bhashani Science and Technology University, Tangail-1902, BANGLADESH ⁴Atomic Energy Research Establishment, Bangladesh Atomic Energy Commission, Dhaka, BANGLADESH</p>
8.2	ICMIEE-PI-160181	<p><u>A Critical Analysis on Warp Yarn Breakages of Air Jet Loom</u></p> <p><i>Kazi Sowrov¹, Asif Jahan Anu², Kaoushik Ashrafi²</i></p> <p>¹Department of Fabric Engineering, Bangladesh University of Textiles, Dhaka-1208, BANGLADESH ²Shahid Abdur Rab Serniabat Textile Engineering College, University of Dhaka, Dhaka-1000, BANGLADESH</p>
8.3	ICMIEE-PI-160197	<p><u>An Investigation on the Generation of Sounds in Loom and Measurement of Sound Intensity</u></p> <p><i>Kazi Sowrov¹, Sharif Ahmed^{2*}</i></p> <p>¹Department of Fabric Engineering, Bangladesh University of Textiles, Dhaka-1208, BANGLADESH ²Department of Yarn Engineering, Bangladesh University of Textiles, Dhaka-1208, BANGLADESH</p>
8.4	ICMIEE-PI-160214	<p><u>An Analysis to the Effect of Backrest Roller on Warp Tension</u></p> <p><i>Toufique Ahmed^{1,*}, Kazi Sowrov², Shaikh Md. Mominul Alam³</i></p> <p>¹Department of Textile Engineering, National Institute of Textile of Engineering & Research, Dhaka-1350, BANGLADESH ²Department of Fabric Engineering, ³Textile Machinery Design and Maintenance, Bangladesh University of Textiles, BANGLADESH</p>
8.5	ICMIEE-PI-160338	<p><u>Fabrication and Mechanical Characterization of Mamma Irradiated Textile Sludge Bricks</u></p> <p><i>Mohammad Sohrab Hossain¹, Subrata Chandra Das², Md. Abdullal Al Mamun³, Debasree Paul⁴, Jahid M. M. Islam⁵, Mubarak Ahmad Khan^{5*}</i></p> <p>¹Department of Textile Engineering, New Castle University College, Chittagong, BANGLADESH ²Pabna Textile Engineering College, Pabna-6600, Ministry of Textiles and Jute, Dhaka, BANGLADESH ³Department of Textile Engineering, Mawlana Bhashani Science and Technology University, Tangail-1902, BANGLADESH ⁴Department of Textile Engineering, Khwaja Yunus Ali University, Sirajgonj-6751, BANGLADESH ⁵Atomic Energy Research Establishment, Bangladesh Atomic Energy Commission, Dhaka, BANGLADESH</p>

Technical Session IX
Aerodynamics
27th December 2016, Tuesday, 9:30AM-11:00AM, Room A (Seminar Room, ME)
Chair: Prof. Dr. Mohammad Mashud(KUET, Bangladesh)

9.1	ICMIEE-PI-160138	<p><u>Design and Model Construction of a Flapping Wing UAV Ornithopter</u></p> <p><i>Md. Nazmul Hasan[*], Fuad Hasan Sabbir, Golam Md. Mortuza, Md. EnamulHaque</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH</p>
9.2	ICMIEE-PI-160199	<p><u>Numerical Investigation of Aerodynamic Characteristics for Flow Over a Covered Van</u></p> <p><i>Shahedul Islam, Khandkar Aftab Hossain</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH</p>
9.3	ICMIEE-PI-160281	<p><u>A Comparative Analysis Between NACA 4412 Airfoil and It's Modified Form with Tubercles</u></p> <p><i>Md. Jonayed Hasan, Md. Tazul Islam and Md.Mehedi Hassan</i> Department of Mechanical Engineering, Chittagong University of Engineering and Technology, Chittagong-4349, BANGLADESH</p>
9.4	ICMIEE-PI-160320	<p><u>Numerical Investigation of Aerodynamic Characteristics over a Car for Optimizing the Shape of the Vehicle</u></p> <p><i>Syed Hasib Akhter Faruqui, Md.Shujan Ali and Dr. Khandkar Aftab Hossain</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH</p>
9.5	ICMIEE-PI-160321	<p><u>Performance Analysis and Comparison of High Lift Airfoil for Low Speed Unmanned Aerial Vehicle</u></p> <p><i>MirzaMdSymon Reza¹, SamsulArfin Mahmood², Asif Iqbal³</i> ¹Department of Mechanical Engineering, National Institute of Technology Jamshedpur, INDIA ²Department of Mechanical Engineering, Khulna University of Engineering and Technology, Khulna, BANGLADESH ³Department of Mechanical Engineering, Motilal Nehru National Institute of Technology Allahabad, INDIA</p>
9.6	ICMIEE-PI-160325	<p><u>STUDY ON BIRD'S FLAPPING WING AERODYNAMICS AND COMPARED ITS ANALYTICAL VALUES WITH NACA 64A012 mod AIRFOIL</u></p> <p><i>Md. Nesar Ali¹, Dr. Md. MahbululAlam², Limon Paul³ and Dr. A.B.M. Toufique Hasan⁴</i> ¹⁻³Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong-4349,BANGLADESH ⁴Department of Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka1000,BANGLADESH</p>
9.7	ICMIEE-PI-160384	<p><u>Reduction of Drag on Covered Van</u></p> <p><i>Abul Kalam Azad, Mohammad Arif Hossain and A. K. M. Sadrul Islam</i> Department of Mathematics, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH</p>

Technical Session X
Manufacturing and Production Engineering

**27th December 2016, Tuesday, 9:30AM-11:00AM, Room B (Room No.: 107, ME)
Chair: Prof. Dr. TarapadaBhowmick (KUET, Bangladesh)**

10.1	ICMIEE-PI-160119	<u>Kerosene as a Cutting Fluid for Machining Cast Iron with Minimum Quantity Lubrication System</u> <i>Md. Asif Uddin , Tipu Sultan, Tarapada Bhowmick</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
10.2	ICMIEE-PI-160137	<u>Design of a Power Seeder</u> <i>Md. Sahid Hassan, Md. Shahjahan Mahmud</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
10.3	ICMIEE-PI-160156	<u>Complete Injection Molding Simulation Process for a Plastic Product Using Solidworks Plastic Simulation</u> <i>SadmanSakib, FariaBinta Amin</i> Department of Industrial Engineering and Management, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
10.4	ICMIEE-PI-160212	<u>Temperature Control in Milling Operation by Various Cutting Fluids with MQL</u> <i>Md. Asif Uddin , Tarapada Bhowmick , Tipu Sultan , Al Aman , A.K.M Sahid Hasan</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
10.5	ICMIEE-PI-160213	<u>Optimization of Process Parameters for Turning of Mild Steel in Minimum Quantity Lubrication (MQL)</u> <i>Tanzina Afrin, Md. GolamKibria</i> Department of Industrial Engineering and Management, Khulna University of Engineering and Technology, Khulna-9203,BANGLADESH
10.6	ICMIEE-PI-160224	<u>An Ergonomic Approach to Design Hand Block Tool for HandloomPrinting Industry: ACase Study</u> <i>Md. IqbalHossain, SubrataTalapatra</i> Department of Industrial Engineering and Management, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
10.7	ICMIEE-PI-160242	<u>Analysis and Reduction of Casting Defects in Green Sand Casting Using Taguchi Method and Solidcast Simulation Technique</u> <i>Shohanuzzaman Shohan¹, Fardim Sufian²</i> ¹ Department of Industrial & Production Engineering, Dhaka University of engineering & Technology, Gazipur, BANGLADESH ² Department of Industrial Engineering & Management, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH

**Technical Session XI
Fluid Mechanics and Fluid Machinery
27th December 2016, Tuesday, 9:30AM-11:00AM, Room C (Room No.: 300E1, ME)
Chair: Prof. Dr. KhandkarAftabHossain (KUET, Bangladesh)**

11.1	ICMIEE-PI-160121	<u>Feasibility Study of Wind Turbine for Low Wind Condition of Bangladesh</u>
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		<i>Mohammad Adom Safiullah, Muhammad Rubayat Bin Shahadat, Md. Raf E Ul Shougat</i> Department of Mechanical Engineering, Bangladesh University of Engineering and Technology, Dhaka-1000, BANGLADESH
11.2	ICMIEE-PI-160124	<u>CFD Analysis of an Injection Nozzle of a Pneumatic Control System</u> <i>Md. Farhadul Islam, Araf Al Rafi</i> Department of Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka-1000, BANGLADESH
11.3	ICMIEE-PI-160169	<u>Implementation of relaxation Concept Using Water Jet</u> <i>Farida Ahmed Koly, Md. Sadman Akand, Sajal Chandra Banik</i> Department of Mechanical Engineering, Chittagong University of Engineering & Technology, Chittagong-4349, BANGLADESH
11.4	ICMIEE-PI-160195	<u>Study of Paddle-type Washing Machine</u> <i>Amitav Roy, Khandkar Aftab Hossain</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
11.5	ICMIEE-PI-160283	<u>Review on Adaptive Autonomous Underwater Vehicles</u> <i>Mohammad Fuad Hassanand Mohammad Mashud</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
11.6	ICMIEE-PI-160314	<u>Experimental and Numerical Analysis of Flow Through Pipe for Different Geometry</u> <i>Kamrul Hasan Rahi, Md. Rakibul Alam, Golam Md. Mortuza</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
11.7	ICMIEE-PI-160379	<u>Flow Analysis of an Air Intake System for Noise Reduction</u> <i>Byungmo Yang¹, Jangchun Xu¹, Kian Sung², Heangmuk Cho^{1,*}</i> ¹ Division of Mechanical and Automotive Engineering, Kongju National University, SOUTH KOREA ² WECOSTA Company Limited, SOUTH KOREA
11.8	ICMIEE-PI-160381	<u>Performance Investigation of a Submersible Pump under Different Operating Conditions</u> <i>M.E. Haque^{1*}, M. S. Islam¹, M. R. Islam¹, Rubina Akter¹, Tahsin Ashraf Khan¹, H. Haniu²</i> ¹ Department of Mechanical Engineering, Rajshahi University of Engineering & Technology, Rajshahi-6204, BANGLADESH ² Department of Mechanical Engineering, Kitami Institute of Technology, Kitami City, Hokkaido 090-8507, JAPAN

Technical Session XII Heat and Mass Transfer 2 27th December 2016, Tuesday, 9:30AM-11:00AM, Room D (Room No.: 300E3, CSE) Chair: Prof. Dr. Mohammad Ariful Islam (KUET, Bangladesh)		
12.1	ICMIEE-PI-160257	<u>Steady Forced Convection Heat and Mass Transfer Analysis of Falkner – Skan Equation past a Permeable Moving Wedge in a Nanofluid in Presence of Magnetic Field</u> <i>M. Ali^{*1}, M. A. Alim², M. S. Alam³, Md. Z. Uddin Chowdhury⁴, M. J. Haque Munshi⁵</i>

		^{1,2} Department of Mathematics, Bangladesh University of Engineering & Technology, Dhaka-1000, BANGLADESH ³ Department of Mathematics, Chittagong University of Engineering & Technology, Chittagong-4349, BANGLADESH ⁴ Department of Planning and Monitoring Division, Bangladesh Oil, Gas and Mineral Corporation, Dhaka, BANGLADESH ⁵ Department of Mathematics, Hamdard University Bangladesh, Gazaria, Munshiganj, BANGLADESH
12.2	ICMIEE-PI-160268	<u>Effect of Temperature on Physical, Mechanical and Recovery Behaviours of Commercially Available Woods in Bangladesh</u> <i>Md. Anjum Bin Anam, Spandan Basak Payel, Dr. Sheikh Reaz Ahmed</i> Department of Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka-1000, BANGLADESH
12.3	ICMIEE-PI-160296	<u>DESIGN AND CONSTRUCTION OF AN AUTOMATIC BOX TYPE SOLAR HEATER BY USING FRENEL LENS</u> <i>Somnath Somadder, Iftekhar mahmud</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
12.4	ICMIEE-PI-160298	<u>Air Pollutants Emission from Coal Fired Kiln and Its Variation for Use of Different Fuel Types</u> <i>Md. Riad-Ul-Hasan, Dr. Kazi ABM Mohiuddin</i> Department of Civil Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
12.5	ICMIEE-PI-160350	<u>Electrically Assisted Rapid Heating Process of Hot Stamping by Pulsed Current</u> <i>Mahmudun Nabi Chowdhury^{1,*}, Mohammad Mashud¹ and Abeera Rahman²</i> ^{1,2} Department of Mechanical Engineering, University of Ulsan, Ulsan-44610, SOUTH KOREA ¹ Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
12.6	ICMIEE-PI-160359	<u>Study and Simulation of Various Heat Transfer Models of SI Engine</u> <i>Md Shariful Islam, Sk Humain Ahmed, Afsar Ahammed</i> Department of Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka-1000, BANGLADESH
12.7	ICMIEE-PI-160378	<u>Experimental Investigation of Single Pass Solar Air heater with and Without Square Steel Wire Mesh on Absorber plate</u> <i>Amit Roy, M. S. Islam, M. E. Hoque, M. R. I Sarker</i> Department of Mechanical Engineering, Rajshahi University of Engineering & Technology, Rajshahi-6204, BANGLADESH

Technical Session XIII
Material and Composites
27th December 2016, Tuesday, 11:30AM-01:00PM, Room A (Seminar Room, ME)
Chair: Prof. Dr. M. Iqbal (SUST, Bangladesh)

13.1	ICMIEE-PI-160110	<u>Effect of Building Orientation & Post Processing Material on Mechanical Properties of 3D Printed Parts</u> <i>Md. Raf E Ul Shougat, Ezazul Haque Sabuz, G.M. Najmul Quader¹, Monon Mahboob</i> Department of Mechanical Engineering, Bangladesh University of Engineering & Technology, Dhaka-1000, BANGLADESH
13.2	ICMIEE-PI-160126	<u>Investigation of Displacement and Stress Field in Elastic-Plastic Bi-material Single Step Bonded Joint</u> <i>Md. Nasif, Md. Shahidul Islam, Imran Shikder, Md. Ashif</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
13.3	ICMIEE-PI-	Numerical Investigation of Stress Field in Anisotropic Elastic Bonded Joints

	160238	<i>A. H. M. Abdullah Al Mamun, Md. Shahidul Islam</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
13.4	ICMIEE-PI-160289	<u>Investigation of Stress Field Responsible for Debonding of Transversely Isotropic Elastic Bimaterial Joint by FEM</u> <i>Md. Shahrier Hasan , Md. Shahidul Islam</i> Graduate Student, Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
13.5	ICMIEE-PI-160336	<u>Finite Element Analysis of Hybrid and Non-Hybrid Laminated Composites</u> <i>Shah SaifurRahman, K. M. Galib</i> Department of Mechanical Engineering, Bangladesh University of Engineering and Technology, Dhaka-1000
13.6	ICMIEE-PI-160337	<u>Effect of Gamma Radiation on the Mechanical Properties of PET Felt Reinforced Polyester Composites</u> <i>Subrata Chandra Das¹, Debasree Paul², Jahid M. M. Islam³, Mubarak Ahmad Khan^{3,*}</i> ¹ Pabna Textile Engineering College, Pabna-6600, Ministry of Textiles and Jute, Dhaka,BANGLADESH ² Department of Textile Engineering, KhwajaYunus Ali University, Sirajgonj-6751,BANGLADESH ³ Atomic Energy Research Establishment, Bangladesh Atomic Energy Commission, Dhaka, BANGLADESH
13.7	ICMIEE-PI-160339	<u>Influence of Light Alloying Elements on Properties of Aluminum Alloys</u> <i>Md. Sujon Ahmed, Moustahid Karim Anik , Md. Monirul Islam Khan</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
13.8	ICMIEE-PI-160345	<u>Mechanical Properties of Similar and Dissimilar Weld-bonded Materials</u> <i>Md. Nizam Uddin* and Nusrat Sharmin</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
13.9	ICMIEE-PI-160375	<u>Stress Analysis in 3D Two-phase Transversely Isotropic Piezo-ceramic Bi-material using BEM</u> <i>Md. Shahidul Islam</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
Technical Session XIV Instrumentation and Control 2 27th December 2016, Tuesday, 11:30AM-01:00PM, Room B (Room No.: 107, ME) Chair: Dr. Md. MozasserRahman(International Islamic University, Malaysia)		
14.1	ICMIEE-PI-160211	<u>Determination of Machining Zone Temperature Using Arduino UNO</u> <i>Md. Asif Uddin^{*1}, Md. Masum Billah²,Rehan Uddin¹, Md. Shahjahan Mahmud¹,Md. Muminur Rahman³</i> ¹ Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH ² Department of Computer Science & Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH ³ Department of Electronics & Communication Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
14.2	ICMIEE-PI-160231	<u>Smart control system for protecting a vehicle from overturning and skidding</u> <i>Md. Syed Ali Molla, BajuMiah</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH
14.3	ICMIEE-PI-	<u>Design and Construction of an Infrared Controlled Automatic Door</u>

	160251	<i>Saqlain Zaman, A.N.M Mizanur Rahman</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
14.4	ICMIEE-PI-160253	<u>Construction and Performance Test of a Battery Operated Paddy Cutter</u> <i>Imam-Ul-Ferdous, A.N.M. MizanurRahman</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
14.5	ICMIEE-PI-160254	<u>Automatic Water Pump Control Using SONAR Sensor</u> <i>Md. Ikbal Hossain, A.N.M Mizanur Rahman</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
14.6	ICMIEE-PI-160279	<u>Automatic Bottle Filling and Capping System using PLC</u> <i>Rakibul Islam, Md.Syed Ali Mollah</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
14.7	ICMIEE-PI-160335	<u>Development and Performance Analysis of a Solar Model Car</u> <i>Md. Rezaur Rahman, Dipayan Mondal, S. M. Russel Kabir Roomey</i> Department of Mechanical Engineering, Khulna University of Engineering and Technology, Khulna-9203, BANGLADESH
14.8	ICMIEE-PI-160347	<u>Design and Construction of Speed Checker and Alarming System to Detect Rush Driving and Its Future Modification</u> <i>Pratik Roy *, Md. Golam Kader</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH

Technical Session XV Energy Engineering2 27th December 2016, Tuesday, 11:30AM-01:00PM, Room C (Room No.: 300E3, ME) Chair: Prof. Dr. A. N. M. MizanurRahman (KUET)		
15.1	ICMIEE-PI-160334	<u>Development and Performance Analysis of a Gravity Powered Lamp</u> <i>S. M. Russel Kabir Roomey, Dipayan Mondal, Md. Rezaur Rahman</i> Department of Mechanical Engineering, Khulna University of Engineering and Technology, Khulna-9203, BANGLADESH
15.2	ICMIEE-PI-160348	<u>Design and Construction of a Foot Step Based Power Generation System Using Rack and Pinion Mechanism</u> <i>Tanver Ahmed¹, Ratul Anick Paul²</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna- 9203,BANGLADESH
15.3	ICMIEE-PI-160356	<u>Design and Construction of a Mini-Hydrodynamic generator</u> <i>Md. Golam Kader, Md. Sourove Akther Momin, Md.Sahid Hassan, Mihir Dutta, Ariful Hossen⁵</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
15.4	ICMIEE-PI-	<u>Study of LPG (Liquefied Petroleum Gas) And CNG (Compressed Natural Gas) Vehicles And It's Future Aspects</u>

	160358	<i>Md.Sourove Akther Momin , Mihir Dutta, Md.Sahid Hassan, Md.Golam Kader, Shovon Md. Iftakher</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
15.5	ICMIEE-PI-160372	<u>Upgraded Method of Biogas Production from Kitchen Waste, Cow Dung and Chicken Manure in Anaerobic Co-digestion Process</u> <i>Md. Ashraful Islam¹, Md. Shameem Hossain² and Salma .A. Iqbal¹,</i> ¹ Department of Chemical Engineering and Polymer Science, Shahjalal University of Science and Technology, Sylhet-3114, BANGLADESH. ² Department of Energy Science and Engineering, Khulna University of Engineering & Technology, Khulna -9203,BANGLADESH.
15.6	ICMIEE-PI-160380	<u>Biofuel from Co-pyrolysis of Solid Polythene Waste and Saw dust</u> <i>M. S. Hossain¹, M. S. Rahman²,M. R. Islam¹,H. HANIU²</i> ¹ Department of Mechanical Engineering, Rajshahi University of Engineering & Technology, Rajshahi-6204,BANGLADESH ² Department of Mechanical Engineering, Kitami Institute of Technology, Kitami City, Hokkaido 090-8507, JAPAN
15.7	ICMIEE-PI-160383	<u>Refurbishment of Gas Turbine Efficiency by Using Compressor Water Wash</u> <i>Mahbubur Rahman , Rashedul Hasan, Md. Golam Kader</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH

Technical Session XIV 1. Refrigeration & Air Conditioning 2. Related topics 27th December 2016, Tuesday, 11:30AM-01:00PM, Room D (Room No.: 300E3, ME) Chair: Prof. Dr. Sobahan Mia (KUET, Bangladesh)		
Refrigeration & Air Conditioning		
16.1	ICMIEE-PI-160215	<u>Design and Development of Software for Estimation of Cooling Load of AC System</u> <i>Md.Kamar Uddin , Dipayan Mondal , Shafkat Bin Manjur</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
16.2	ICMIEE-PI-160277	<u>Design, Construction and Development of a Thermoelectric Refrigerator</u> <i>Mohammad Mashud, Md. Mahmudul Alam , K.M.Mohiuddin Abeer, Mahedy Hasan</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
16.3	ICMIEE-PI-160370	<u>Design and Construction of an Automated Evaporative Cooling System</u> <i>Sudip Saha^{1,*},Md. Shahidul Islam², Ariful Hossen¹</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203,BANGLADESH
Related Topics		

16.4	ICMIEE-PI-160284	<p><u>Measurement of Air Pollution in an Industry Due to Silica Dust and Approaches to Reduce the Air Pollution.</u></p> <p><i>Al Mohaiminul Islam¹, Shohanuzzaman Shohan²</i> ¹Department of Petroleum & Mining Engineering, Jessore University of Science & Technology, BANGLADESH ²Department of Industrial & Production Engineering, Dhaka University of Engineering & Technology, BANGLADESH</p>
16.5	ICMIEE-PI-160313	<p><u>Study of the Tribological Properties of Used and Recycled Lubricants</u></p> <p><i>Md. Mahmudul Hasan , Dr. Sobahan Mia</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>
16.6	ICMIEE-PI-160371	<p><u>Batch and Fixed-bed Column Study for the Adsorption of Crystal Violet using Banvan Leaf Powder as Low Cost Adsorbent</u></p> <p><i>Naureen Khanam , Md. Tamez Uddin, Md. Akhtarul Islam</i> Department of Chemical Engineering & Polymer Science, Shahjalal University of Science & Technology, Sylhet-3114, BANGLADESH</p>
16.7	ICMIEE-PI-160376	<p><u>Investigate the Effect of Minimum Quantity Lubrication with Different Cutting Fluids in Hard Material Drilling Environment</u></p> <p><i>Haque.M.I., Zulfi. M and Kumar, A.</i> Department of Industrial and Production, Marine and Mechanical Engineering, BCMC College of Engineering and Technology, Jessore-7400, BANGLADESH</p>
16.8	ICMIEE-PI-160377	<p><u>Removal of Methylene Blue from Aqueous Solution Using Activated Carbon</u></p> <p><i>Muhammad Faruq Faisal¹, Md. Shameem Hossain² , Md. Rezaul Karim³ and Md. Tamez Uddin¹</i> ¹Department of Chemical Engineering & Polymer Science, Shahjalal University of Science & Technology, Sylhet-3114, BANGLADESH ²Department of Energy Science and Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH ³Department of Chemical Engineering, Z. H Sikder University of Science & Technology, Shariatpur, BANGLADESH</p>
16.9	ICMIEE-PI-160382	<p><u>Failure Analysis by Corrosion and Observation of Mechanical Properties of Welded Joints of Different Metals</u></p> <p><i>Sobahan Mia, Farazee Sazzad Hossain and Md. Rakibul Hassan</i> Department of Mechanical Engineering, Khulna University of Engineering & Technology, Khulna-9203, BANGLADESH</p>