

Khulna University of Engineering & Technology
UGC Funded Project
Fiscal Year 2017-2018

SL. No.	Research Title (Tentative)	Name & Designation of the Teacher.
01.	<i>Assessment of Air Pollutants Emission from a Cement Plant: A Case Study in Khulna City</i>	<i>Dr. S. M. Moniruzzaman</i> <i>Professor,</i> <i>Dept. of CE</i> <i>KUET</i>
02.	<i>Investigation of Relationship Between Strength and Hardness of TMT 500W Deformed Bar</i>	<i>Dr. Sazzad Ahmad</i> <i>Asstt. Professor,</i> <i>Dept. of MSE</i> <i>KUET</i>
03.	<i>Pyrolysis of Organic Waste: A Way to Solid Waste Management and Extraction of Fuel</i>	<i>Dr. A. N. M. Mizanur Rahman</i> <i>Professor,</i> <i>Dept. of ME</i> <i>KUET</i>
04.	<i>Preparation and Characterization of High Performance Graphene Based Keratin (Tannery Wastes) Nanocomposites: Its Green Effects</i>	<i>Dr. Md. Elias Uddin</i> <i>Asstt. Professor,</i> <i>Dept. of LE</i> <i>KUET</i>
05.	<i>Fabrication and Performance Test of Bio-Composite Helmet, Skateboard, Bathtub, Laptop body and Bike Mudguard in Context of Bangladesh</i>	<i>Dr. Md. Rafiquzzaman</i> <i>Asstt. Professor,</i> <i>Dept. of IEM</i> <i>KUET</i>
06.	<i>Short Term Preservation of Goat Skin using Indigenous Plant Extract</i>	<i>Dr. Md. Abul Hashem</i> <i>Asstt. Professor,</i> <i>Dept. of LE</i> <i>KUET</i>
07.	<i>Model Predictive Torque Control of Induction Motor Drive</i>	<i>Dr. Md. Habibullah</i> <i>Asstt. Professor,</i> <i>Dept. of EEE</i> <i>KUET</i>
08.	<i>Design and Fabrication of Implantable Antenna for MICS-band Biomedical Applications</i>	<i>Dr. Md. Faruque Hossain</i> <i>Professor,</i> <i>Dept. of ECE</i> <i>KUET</i>
09.	<i>Temperature Dependent Anomalous Optical Properties of ZnO/MgZnO Quantum Wells</i>	<i>Dr. Md. Rafiqul Islam (2)</i> <i>Professor,</i> <i>Dept. of EEE</i> <i>KUET</i>
10.	<i>Study on the Landfall and Movement of Weak Intensity Tropical Cyclones in the Bay of Bengal using WRF Model</i>	<i>Dr. Md. Abdullah Elias Akhter</i> <i>Professor,</i> <i>Dept. of Physics</i> <i>KUET</i>
11.	<i>Study on Convective and Non-convective Rain of Different Heavy Rainfall Events in the Monsoon Season using WRF-ARW Model</i>	<i>Dr. Md. Mahbub Alam</i>

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		Professor Dept. of Physics KUET
12	<i>Drag Reduction Mechanism of Automotive Vehicles by Passive Device for Fuel Economy</i>	Dr. Mohammad Mashud Professor Dept. of ME KUET
13	<i>Degradation Mechanism of 310 Stainless Steel Radiant Heating Wall Burner</i>	Dr. Parvez Mannan Asstt. Professor Dept. of MSE KUET
14	<i>Review of Present Landuse Pattern and Generation of Flood Inundation Map in Selected Most Vulnerable Coastal Areas of Bangladesh</i>	Mr. Md. Hasibul Hasan Asstt. Professor IDM KUET
15	<i>Design & Implementation of Programmable Digital System for Electroencephalogram (EEG) Signal on Filed Programmable Gate Array (FPGA) Device</i>	Dr. Sheikh Md. Rabiul Islam Assoc. Professor Dept. of ECE KUET
16	<i>Real Time 3d Surface Modeling for Indoor Scenario</i>	Dr. Md. Foisal Hossain Professor Dept. of ECE KUET
17	<i>Phytoremediation of Hazaribagh Tannery Waste Contaminated Site by Vetiver Grass and Marigold Plant</i>	Mr. Md. Ariful Islam Juel Asstt. Professor Dept. of LE KUET
18	<i>Towards Developing Walk-in Assistants for the Visually Impaired People</i>	Dr. Muhammad Sheikh Sadi Professor Dept. of CSE KUET
19	<i>Sensorless Direct Torque and Flux Control of a Matrix Converter Fed Homopolar Motor Based on None-Linear Observer</i>	Dr. Md. Abdur Rafiq Professor Dept. of EEE KUET

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1.	<i>Design and Synthesis/Project of Novel 2D SiC for Next Generation Electronics and High Performance Solar Cell</i>	<i>Dr. Md. Sherajul Islam</i> <i>Assoc. Professor,</i> <i>Dept. of EEE</i> <i>KUET</i>
2.	<i>Detection and Tracking of Remote Moving Objects in Turbulent Medium</i>	<i>Dr. Kalyan Kumar Halder</i> <i>Asstt. Professor,</i> <i>Dept. of EEE</i> <i>KUET</i>
3.	<i>Mechanical Property Evaluation of Bamboo/Glass Fiber Reinforced Hybrid Composites</i>	<i>Dr. Md. Shariful Islam</i> <i>Asstt. Professor,</i> <i>Dept. of ME</i> <i>KUET</i>
4.	<i>Development of Novel Lightweight Composites using Expanded Perlite and Recycled Plastic</i>	<i>Dr. Md. Arifuzzaman</i> <i>Asstt. Professor,</i> <i>Dept. of ME</i> <i>KUET</i>
5.	<i>Experimental and Numerical Investigation of Corrosion-Induced Cover Cracking in Reinforced Concrete Structures</i>	<i>Dr. Abu Zakir Morshed</i> <i>Professor,</i> <i>Dept. of CE</i> <i>KUET</i>
6.	<i>Design and Performance Investigation of Multi-thread Online Polling Algorithm for Multi-OLT PON Based Open Access Networks</i>	<i>Dr. Monir Hossen</i> <i>Assoc. Professor,</i> <i>Dept. of ECE</i> <i>KUET</i>
7.	<i>Design of an Artificial Neural Network Based Permanent Magnet Brushless DC Motor Drive</i>	<i>Dr. Bashudeb Chandra Ghosh</i> <i>Professor,</i> <i>Dept. of EEE</i> <i>KUET</i>
8.	<i>Oral Cancer Detection using Biomarkers from Saliva</i>	<i>Dr. Md. Shahjahan</i> <i>Professor,</i> <i>Dept. of EEE</i> <i>KUET</i>
9.	<i>Application of Superabsorbent Polymer in Concrete and Characterization its Short- and Long-term Behaviours</i>	<i>Dr. Md. Mahfuzur Rahman</i> <i>Asstt. Professor,</i> <i>Dept. of CE</i> <i>KUET</i>
10.	<i>Investigation of Confined Concrete Subjected to Axial Compression Loading: Experimental and Finite Element Modelling</i>	<i>Dr. Ismail Saifullah</i> <i>Asstt. Professor</i> <i>Dept. of CE</i> <i>KUET</i>
11.	<i>Design and Performance Study of Ground Heat Exchangers (GHX) for Ground-Coupled Heat Pump (GCHP) System in Bangladeshi Climate</i>	<i>Dr. Mohammad Ariful Islam</i> <i>Professor</i> <i>Dept. of ME</i> <i>KUET</i>
12.	<i>Dynamic Weighted Opportunity Cost Based Algorithmic Approach on Transportation Problem</i>	<i>Dr. A.R.M. Jalal Uddin Jamali</i> <i>Professor,</i> <i>Dept. of Mathematics</i> <i>KUET</i>

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13.	<i>Production of PPy/PEDOT-coated Electrical Conductive Jute Yarn by Chemical Vapor Deposition (CVD) Technique</i>	<i>Dr. Mohammad Abdul Jalil</i> <i>Assoc. Professor, Dept. of TE KUET</i>