

Khulna University of Engineering & Technology
UGC Funded Project

Fiscal Year 2018-2019

Sl. No.	Research Title (Tentative)	Name & Designation of the Teacher.
01.	Building Khulna as Water Resilient City through Proper Urban Planning and Smart Water Management Technology	Md. Esraz-UI-Zannat Asstt. Professor, Dept. of URP KUET
02.	Fire Response of Reinforced Concrete Beam Column Junction Subjected to Static Loading	Dr. Muhammad Harunur Rashid Professor, Dept. of Civil Engineering, KUET
03.	Development of Cheap, Green and Reliable Paper Based Super-capacitor: An Electrochemical Reservoir to Store Energy	Dr. A.B.M. Mamun Jamal Asstt. Professor, Dept. of Chemistry KUET
04.	Performance Analysis of Underwater Wireless Optical Communication System	Dr. Md. Jahedul Islam Asstt. Professor, Dept. of EEE KUET
05.	Development of a PLC Based Pneumatic System for CAM & Robotics Lab	Subrata Talapatra Asstt. Professor, Dept. of IEM KUET
06.	Tannery Liming Sludge Management through Co-composting	Dr. Md. Abul Hashem Asstt. Professor, Dept. of Leather Engineering, KUET
07.	Study on Landfall and Movement of Severe Cyclonic Storms in the Bay of Bengal using WRF Model	Dr. Md. Abdullah Elias Akhter Professor, Dept. of Physics KUET
08.	Prediction of California Bearing Ratio of Stabilized Soils using Soft Computing Systems	Dr. Md. Rafizul Islam Assoc. Professor, Dept. of Civil Engineering, KUET
09.	Designing of a Manual Assembly Workstation for Garment Industry	Dr. Azizur Rahman Asstt. Professor, Dept. of IEM, KUET

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10.	Design and Fabrication of an Automatic Bottle Filling and Capping System	Md. Mahbubur Rahman Asstt. Professor, Dept. of IEM KUET
11.	Fast and Efficient Intra 4×4 Mode Decision Scheme for H.264/AVC Video Coding	Dr. Md. Salah Uddin Yusuf Professor, Dept. of EEE KUET
12	Design and Construction of a Low-Cost Multiple Channel Surface Electromyography Data Acquisition System	Dr. Mohiuddin Ahmad Professor, Dept. of EEE KUET
13	Design Improvements and Implementations of an Ecofriendly Air Cooler	Dr. Zahir Uddin Ahmed Assoc. Professor, Dept. of Mechanical Engineering, KUET
14	Anthropometric and Ergonomic Compatible Workstation Design for University Teacher's in Bangladesh; An Office Ergonomic Approach	Md. Golam Kibria Asstt. Professor, Dept. of IEM KUET
15	Designed Development of Automatic Bottle Filling Machine in Context of Bangladesh	Dr. Md. Rafiquzzaman Asstt. Professor, Dept. of IEM KUET
16	High-performance Hardware Implementation of Elliptic Curve Cryptography Processor for Extremely Secure Application	Dr. Md. Selim Hossain Asstt. Professor, Dept. of EEE KUET
17	Bragg Grating Optical Solitons in Higher Order Nonlinear Media	Dr. Md. Jahirul Islam Asstt. Professor, Dept. of EEE KUET
18	Real Time Cognitive Load Assessment for Learners from EEG Based Physiological Analysis to Ensure Sustainable Educational Environment	Monira Islam Asstt. Professor, Dept. of EEE KUET
19	Graphen/Post-consumer Footwear Waste Composites: A New Eco-friendly Material and Recycling Approach	Dr. Md. Elias Uddin Asstt. Professor, Dept. of Leather Engineering,

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		KUET
20	Production of Nano-Filters using PVA/PVC/Nylon by Electrospinning Method and Test their Filtration Properties	Dr. Mohammad Abdul Jalil Professor, Dept. of Textile Engineering, KUET
21	Vulnerability Assessment of Cyclone and Storm Surges in Southwestern Coastal Region of Bangladesh	Anjum Tasnuva Asstt. Professor, Institute of Disaster Management, KUET
22	Investigation of Optical Properties of Luminophores for Stimulated Luminescent Solar Concentrators (s-LSCs)	Dr. Md. Rejvi Kaysir Asstt. Professor, Dept. of EEE KUET