

Khulna University of Engineering & Technology
UGC Funded Project
Fiscal Year 2019-2020

Sl. No.	Research Title	Name & Designation of the Teacher.
01.	Gender Sensitive Disaster Resilience and Capacity of the Coastal Community in the South-West Region of Bangladesh	Swarna Bintay Kadir Lecturer, IDM KUET
02.	Approximate Relations Between Manhattan and Eucliden Distance in Perspective of Latin Hypercube Design	Dr. A.R.M. Jalal Uddin Jamali Professor, Dept. of Math KUET
03.	Modelling of Desiccation Crack in Composite Clay Liners of Solid Waste Landfill	Dr. Md. Rafizul Islam Professor, Dept. of CE KUET
04.	Preparation, Characterization and Application of Absorbent from Hair Dissolving Liming Waste to Attenuate Trivalent Chromium in Tannery Wastewater	Dr. Md. Abul Hashem Asstt. Professor, Dept. of LE KUET
05.	Extraction and Characterization of Nano Cellulose from Jute and Application as a Technical Textile	Dr. Mohammad Abdul Jalil Professor, Dept. of TE KUET
06.	Design and Development of a Self-Weighted Material Handling System	Dr. Md. Rafiquzzaman Asstt. Professor, Dept. of IEM KUET
07.	Designing and Prototyping of an Electromechanical Ventilator Based on Double CAM Operation Integrated with Telemedicine Application	Dr. Mohiuddin Ahmad Professor, Dept. of EEE KUET
08.	Design of an Artificial Neural Network Based Vector Controlled Multi-Phase Induction Motor Drive	Dr. Bashudeb Chandra Ghosh Professor, Dept. of EEE KUET
09.	Sensitivity Study of Planetary Boundary Layer Parameterization Schemes for the Simulation of Tropical Cyclone over the Bay of Bengal using High Resolution WRF-ARW Model	Dr. Md. Mahbub Alam Professor, Dept. of Physics KUET
10.	Development of Wheeled Mobile Robot and Manipulator for Mechatronics Lab Demonstration and to Participate in Worldwide Robotics Competition	Dr. Md. Helal An Nahiyen Asstt. Professor, Dept. of ME

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11.	Finite-state Predictive Current Control of a Simplified Three Level Neutral-point Clamped Inverter	Dr. Md. Habibullah Assoc. Professor, Dept. of EEE KUET
12	Project-Based Lab Teaching for Power Electronics and Industrial Drives Course in the Department of EEE Lab	Dr. Md. Abdur Rafiq Professor, Dept. of EEE KUET
13	Preparation and Characterization of Graphene-metal Oxide Nanocompositer for Tannery Wastewater Treatment	Dr. Md. Elias Uddin Asstt. Professor, Dept. of LE KUET
14	Optimization of Biodiesel Production from Wastewater using a Hybrid Anaerobic Reactor and Photobioreactor (HAR-PBR) System	Dr. Md. Khalekuzzaman Asstt. Professor, Dept. of CE KUET
15	Imaging through Wavy Water Surface using Centroid Estimation	Dr. Kalyan Kumar Halder Asstt. Professor, Dept. of EEE KUET
16	Study the Effect of Scour Hole on Flow Field Around Bridge Pier using Experimental and Mathematical Modeling Techniques	Dr. Md. Jahir Uddin Professor, Dept. of CE KUET
17	Mechanical Properties and Sulfate Durability of Portland-Limestone Cement Concrete Incorporating Fly Ash and Slags: Effects of W/C Ratio and Curing Regime	Md. Hamidul Islam Asstt. Professor, Dept. of BECM KUET
18	Ultrasound Imaging Based Breast Cancer Detection and Classification using Deep Learning Approach	Dr. A. B. M. Aowlad Hossain Professor, Dept. of ECE KUET
19	Modelling and Measuring the Social License to Operate: An Application of the Thompson and Boutilier for Infrastructure Project in Khulna	Dr. Md. Manjur Morshed Asstt. Professor, Dept. of URP KUET
20	Design and Development of Ergonomically Fitted Mounted Desktop for University Students	Md. Shohel Parvez Asstt. Professor, Dept. of IEM KUET
21	Investigation of Shear Strengthening of Preloaded Reinforced Concrete Beams	Dr. Abu Zakir Morshed Professor, Dept. of CE

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22	Determination of Coherent Spectral Components of Neural Response Stimulated by Speech Sound and Tone	Dr. Md. Mahbub Hasan Professor, Dept. of EEE KUET
23	3D-Printed Smart Food Packaging for Online Quality Assurance	Dr. Md. Arafat Hossain Asstt. Professor, Dept. of EEE KUET
24	Fabrication and Characterization of Non-Hydrophilic Natural Fiber Composites and Hybrid	Dr. Md. Shafiul Ferdous Asstt. Professor, Dept. of ME KUET
25	Design and Demonstration of Smartphone Spectrometer	Protik Chandra Biswas Asstt. Professor, Dept. of EEE KUET
26	Strategic Fit Strategy Formulation: Keys to Enhancing Competitiveness and Improving Capabilities of a Manufacturing Unit	Md. Habibur Rahman Asstt. Professor, Dept. of IEM KUET
27	Design an Economic Escalator for Foot Over Bridges in Bangladesh	Md. Mahbubur Rahman Asstt. Professor, Dept. of IEM KUET
28	Prototype Development of a Joint Padded Metatarsal Cup for High Heel to Enhance Female Foot Musculoskeletal Safety	Dr. Azizur Rahman Assoc. Professor, Dept. of IEM KUET
29	Inter-comparison of BMD Observed and Satellite Based Precipitation Data During the Last 30 Years over Bangladesh	Dr. Md. Abdullah Elias Akhter Professor, Dept. of Physics KUET