

Project List offered for the Session 2019-2020 Electrical Engineering Department

Sr.no	Title	Supervisor	Field of application
1	Design and Development of Automatic Solar Panel Cleaning System	Dr. Shahryar Shafique	Environmental, Energy Sector
2	Zigbee based Intelligent Helmet for Coal Miners	Dr. Shahryar Shafique	Industrial Sector
3	Design of Defensive System against Drone	Dr. Shahryar Shafique	Communications
4	Monitoring and Control of Tank Farming	Dr. Shahryar Shafique	Agriculture
5	Air Pollution Monitoring System or Mobile Air Measurement System	Dr. Shahryar Shafique	Environmental
6	Biometric Attendance System	Engr. Mujtaba Ihsan	Industrial Sector
7	Motorised PCB 2D Designer	Engr. Muhammad Waqas	Industrial Sector
8	2WD Self Balancing Vehicle for Transportation in Warehouse	Engr. Muhammad Waqas	Industrial Sector
9	3D Printed DC Motor	Engr. Muhammad Waqas	Industrial Sector
10	Design and Development of Sensor Based Smart Greenhouse for Crops using IoT	Engr. Muhammad Waqas	Agriculture
11	An Empirical Method for Electrical Management & Theft Control	Engr. Sanaullah Ahmad	Energy Sector
12	Efficient Speed Control Method for Industrial Motors	Engr. Sanaullah Ahmad	Energy Sector
13	Microcontroller based Power Station Operational Schedule	Engr. Sajid Nawaz	Energy Sector
14	Zigbee Based Solar power Forecast Fire detection & Control System	Engr. Sajid Nawaz	Energy Sector
15	Earthquake Alarm System Based on Advanced Wireless GSM Modem	Engr. Pir Meher Ali Shah	Industrial Sector
16	Microcontroller Based Talking Energy Meter	Engr. Pir Meher Ali Shah	Communication, Energy Sector
17	Military Spying & Bomb Diffusing Robot with Night vision	Engr. Aamir Aman	Communication, Industrial Sector
18	Light weight electric vehicles (EVS) using brushless DC motor	Engr. Aamir Aman	Industrial, Energy Sector

Students are directed to submit their proposals (according to the proposal guidelines found on student portal) along with proposal form and transcripts. The deadline for proposal submission is Friday 18th October, 2019