

Electrical Engineering Department
College of Engineering/King Khalid University

Graduation projects list for the following academic years: until 1439 H

Academic Year	Project title	Project Supervisor
2017-2018 (382-391)	Design and implementation of Hardware Architecture for Intra-prediction in HEVC Decoder	Dr. Hassan
	Visible Light Communication	Dr. Muneer
	Artificially Intelligent Raspberry Pi	Dr. Zubair
	Measurement of biomedical parameters using speech	Dr. Usman
	Power transformer fault diagnosis	Dr. Bushara
	Wireless power transfer	Dr. Thafasal
	Design of traffic light control system	Dr. ElFattah
	Modeling and simulation of Photovoltaic systems using MATLAB	Dr. Saidi
	Speed regulation implementation of a DC motor	Dr. Monji
	Design of a Solar Tracking System	Dr. Fakher
2017-2018 (381-382)	Solar performance evaluation and climatic parameters modelling	Dr. Monji
	Arduino Operated Obstacle Avoidance Robot	Dr. Abbas
	Prepaid Water meter	Dr. Muneer
	Power Quality and power factor correction in the low voltage distribution networks	Dr. Walid

	Single phase to three phase converter for home appliances	Dr. Zakaria
	Object detection and ranging using ultrasonic sound waves	Dr. Mohammed Zubair
	Study of Genetic Algorithms for tuning of Fuzzy Logic Controller	Prof. Fazle Azeem
	Design of wireless smart home	Dr. Fakheruddin
	Raspberry Pi based interface with projector	Dr. Thafasal Ijyas
	Microcontroller based Disability Assistance System	Dr. Usman
	Electric System Faults	Dr. Bushara
	Design and Experimental Investigation of Photovoltaic System Powered a Blower Fan	Dr. Abdul Aziz Saidi
	Design and implementation of HEVC transform module on FPGA	Dr. Hassan
2016-2017 (372-381)	Study and development of models for automatic control of a greenhouse	Dr. Monji
	Application of Home Automation Systems	Dr. Fakher
	Indirect Rotor Field Oriented Control Of synchronous Reluctance Motor Drive System	Dr. Zakaria
	Smart Energy Meter	Dr. Muneer
	Brain-Machine Interface :Controlling hardware using EMG signals	Dr. Zubair
	Text to speech converter for the visually impaired	Dr. Usman
	Diagnostics of faults of 11kv power cables	Dr. Bushara
	Arduino-based Insect	Dr. Thafasal
	Fuzzy Control of Dynamic Systems	Dr.Fazle Azeem
	Dynamic Interaction of Photovoltaic Generation with Dynamic Load Model in Power System Simulation Studies	Dr. Saidi

2016-2017 (371-372)	Motor Starting and Protection	Dr. Walid Helmy
	Partial Discharge Measurement in Power Cells	Dr. Bushara
	Design of an Arduino Based Water Level Detector	Dr. Fakheruddin
	Speed Control of 5-Phase Induction Motor Based on Field Oriented Control Theory	Dr. Zakaria
	ATMEGA328 - Acquisition and Control using Arduino Circuit	Dr. Monji
	Internet of Medical Things (IOMT)	Dr. Zubair
	Electronic Eye Controlled Security System	Dr. Abbas
	Fire and Toxic Alert and Monitoring System	Dr. Thafasal
	Impact of Static Load Behavior of the Voltage	Dr. Abdul Aziz Saidi
	Biometric Identification System	Dr. Usman
Automatic Climate Control System	Dr. Muneer	