

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS**DEPARTMENT OF ELECTRICAL ENGINEERING****EE 411****ASSIGNED CAPSTONE PROJECTS****071**

#	Project Title	Advisor(s)
A	Control of a DC Motor Drive: Design and Implementation	Dr. A. H. A. Rahim & Dr. M. Abido
B	Investigation of 13.8 Kv Underground Cable Failure caused by overload & Temperature Rise at the Area of Al-Jubail	Dr. M. H. Shwehdi
C	Investigation of 13.8 Kv Underground Cable Failure caused by overload & Temperature Rise at the Area of Al-Jubail	Dr. M. H. Shwehdi
D	Ultrasonic Inspection of Pipelines	Dr. Ahmed Yamani
E	Design of Cassy Lab DC motor speed control system	Dr. Chokri Belhaj Ahmed
F	Brushless DC Motor	Dr. Essam E. Hassan

G	Design of a Wireless Sensor Network for Monitoring Applications	Dr. Salam Zummo, Mr. Ahmad AbuHussain and Mr. Ahmer Shafi and Mr. Ajmal Khan
H	Design of A grid Connected Wind Farm	Dr. Ibrahim El-Amin Mr. Shafique Rahman (RI) & Mr. Firoz Ahmed (RI)
I	Snooper Phone Room Listening Device	Dr. Alaa El-Din Hussein
J	Design of ferrite based phase shifter	Sheikh Sharif Iqbal, Dr Gondal
K	Investigation of Commercial Microwave Ovens Radiation	Dr. Ali Muqaibel & Mr. Umar Johar
L	Design of Materials Mixing System Using Microcontroller	Dr. Husain Al-Zaher & Mr. Ahmad Abul-Hussain
M	On the Design of a 1000 MVA, 132 / 13.8 kV Power Substation	Dr. Zakariya Al-Hamouz
N	Wireless Broadband Access System	Dr. Samir Al-Ghadhban

O	Securing Industrial Wireless Networks	Dr. Asrar Sheikh
P	Development of a Seismic Analysis Tool Using MATLAB	Dr. Wail A. Mousa and Dr. Tareq Al-Naffouri
Q	Development of a Time-Frequency Analysis Tool for Seismic Applications Using MATLAB	Dr. Wail A. Mousa, Dr. Cesar Barajas-Olalde, and Dr. Tareq Al-Naffouri
R	Overcurrent Relays Coordination Study for KFUPM 69/13.8 KV Grid Station # 2	Dr. Ibrahim El-Amin
S	Design and implementation of a micro liter injection system	Dr. Munir A. Al-Absi
T	Snooper Phone Room Listening Device	Dr. Alaa El-Din Hussein