

## Graduation Design Project Proposal Form

Project # P11

<b>Project Title</b> wireless control of distribution transformer
<b>Professor(s) Name(s):</b> prof. A.Aarainy & Prof N H Malik
<b>Number of Students:</b> Two
<b>Students Qualifications</b>  Students should have good background in control and power
<b>Statement of Problem</b>  Nowadays remote controlling becoming very common in distribution system. This project deals with changing by wireless control the transformer parameters. This will need control scheme and wireless communication system.
<b>Brief Description of the Project</b> The students are requested to design the various elements of the remotely controlled system. Then they will build it in the HV lab and tested on real transformer
<b>Objectives</b>  (1) Understanding the theory behind the subject (2) Know how to do the designing steps (3) Building of the proposed system (4) Test of the system and study its performance.
<b>Technical Approach and Expected Deliverables</b> <ul style="list-style-type: none"><li>● Literature search of the project topics</li><li>● Design the control unit.</li><li>● Design the communication unit</li><li>● Build the various component of the system</li><li>● Test the built system in real transformer</li><li>● Report</li></ul>