

EE441: ELECTRICAL PROJECT

CREDITS = 5 (L= 0, T=0, P= 12)

Course Objective:

The object of Electrical Project is to enable the student to take up investigative study in the broad field of Electrical Engineering, involving both theoretical and practical work to be assigned by the Department on an individual basis or students in a group, under the guidance of a Supervisor.

Student will select a topic for project work in consultation with under the guidance of a Supervisor from the Department alone or jointly with a Supervisor drawn from R&D laboratory/Industry. The student will have to do literature survey & experimental work on that topic. At the end of the semester he/she will have to submit a report on his/her works. The student will present his/her topic in front of experts and staff. His/her performance will be assessed on the basis of his/her project report and presentation.

The assignment to normally include:

- Survey and study of published literature on the assigned topic;
- Working out a preliminary Approach to the Problem relating to the assigned topic;
- Conducting preliminary Analysis/Modelling/Simulation/Experiment/Design/Feasibility.
- Detailed Analysis/Modelling/Simulation/Design/Problem Solving/Experiment as needed.
- Final development of product/process, testing, results, conclusions and future directions.
- Preparing a paper for Conference presentation/Publication in Journals, if possible;
- Preparing a Dissertation in the standard format for being evaluated by the Department

Preparing a Written Report on the Study conducted for presentation to the Department;

Teaching and Assessment Scheme:

Teaching Scheme			Credits	Assessment Scheme				
L	T	P		Theory		Practical		Total Marks
			ESE	CE	ESE	CE		
0	0	12	12	0	0	180	120	300

Course Outcomes (COs):

At the End of this course students will be able to ...

CO.1. to Learning latest trends and technology in selected field of interest.

CO.2. to apply the acquired knowledge to practical situations.

CO.3 to Develop self-interest to explore the selected technical field of interest in future.

CO.4 To develop better interpersonal communication skills and increase self-confidence.

CO.5 to Enhance presentation skills.

Course Articulation Matrix:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO13	PSO14	PSO15
<i>EE421.1</i>	3	3	3	3	3	3	3	2	2	3	3	2	3	3	1
<i>EE421.2</i>	3	2	2	2	2	2	2	1	2	2	3	2	2	2	1
<i>EE421.3</i>	2	2	3	3	3	3	3	3	3	2	2	2	2	2	1
<i>EE421.4</i>	2	3	2	2	2	3	2	2	3	2	2	2	1	3	1
<i>EE421.5</i>	2	3	2	2	2	3	2	2	3	2	2	2	1	3	1
<i>EE 421</i>	2.4	2.6	2.4	2.4	2.4	2.8	2.4	2	2.6	2.2	2.4	2	1.8	2.6	1

Total Credits of 8 semesters = 231