Course Number and Name
BEE8P1 & Project Work

Credits and Contact Hours
9

Course Coordinator's Name
Dr.S.Prakash

Text Books and References
Nil

Course Description

1. Implementation of the problem identified in Term Paper
2. Application of theory learned so far in Electrical and Electronics Engineering
3. Make use of research tools and material
4. Consolidation of Hardware/Software skills for a real world /research problem
5. Improve problem solving skills
6. Improve report writing, word processing skills and documentation skills

Prerequisites	Co-requisites
Professional Course	Nil

required, elective, or selected elective (as per Table 5-1)
Required

Course Outcomes (COs)

CO1:Use modern engineering tools effectively for the system analysis, design and simulate the problem identified.
CO2:Develop a prototype Model.
CO3:Present project findings effectively, use software applications to write technical thesis and oral presentations.
CO4:Function effectively as an individual, and as a member or leader in teams which will enhance the communication and leadership capabilities.

Student Outcomes (SOs) from Criterion 3 covered by this Course											
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	M	M	M	H	H	H	M		M	L	L	M
CO2	H	M	M	H	H		M		M	L	M	M
CO3	H	M		H	H	M	M		M	M	M	M
CO4	H	M		H	H		M		H	M	H	M

- Project work, in general, means design and development of a system with clearly specified objectives. The project is intended to be a challenge to intellectual and innovative abilities and to give students the opportunity to synthesize and apply the knowledge and analytical skills learned in the different Subjects.
- The project shall be a prototype; backed by analysis and simulation etc. No project can be deemed to be complete without having an assessment of the extent to which the objectives are met. This is to be done through proper test and evaluation, in the case of developmental work, or through proper reviews in the case of experimental investigations.

- Project work is to be done by student groups. Maximum of four students only are permitted in any one group.
- Projects are expected to be proposed by the students. They may also be advised by faculty member. Students are expected to finalize project titles with the assistance of an identified faculty member as project guide during the first week of the eighth semester.
- The progress from concept to final implementation and testing, through problem definition and the selection of alternative solutions is monitored. Students build self confidence, demonstrate independence, and develop professionalism by successfully completing the project.