

Year: B. Tech IV (Semester VII)

Subject Name: Project-I

Subject Code: BTA116701

Type of course: Project

Prerequisite (if any): Information Technology courses (Basic science, Engineering Science and Core courses)

Rationale: Project work is required to enhance employability skills of the students. It provides practical experience in a field of Information Technology and help to reinforce theoretical knowledge gained in different courses to solve real life challenges. The students are given exposure to explore the new developments and techniques, which can lead them to self-employment or even employment generation through extension of the work done in project.

Teaching and Examination Scheme:

Teaching Scheme				Theory Marks			Practical Marks		Total
L	T	P	C	TEE	CA1	CA2	TEP	CA3	
0	0	4	2	0	0	0	60	40	100

CA1: Continuous Assessment (assignments / projects / open book tests / closed book tests) CA2: Sincerity in attending classes / class tests / timely submissions of assignments / self-learning attitude / solving advanced problems TEE: Term End Examination TEP: Term End Practical Exam (Performance and viva on practical skills learned in course) CA3: Regular submission of Lab work / Quality of work submitted / Active participation in lab sessions / viva on practical skills learned in course.

GUIDELINES FOR THE PREPARATION AND PRESENTATION OF PROJECT

Selection of project topic and Progress:

The topic of the project should fall under the category of Information Technology Engineering. Topic selection can be made related to new developments within the field, understanding basic fundamentals by exploring different applications, construction/building of an experimental setup validating a theoretical model and developing further on a new research idea.

The topic of the project should be decided in consent with a faculty member. Only on approval of the faculty a project topic can be confirmed. Every student is liable to show his/her progress updates at a regular interval to the concerned faculty. A record of this should also be maintained.

Team Formation and Mentor Assignment:

A team of students (min: 2 students, max: 5 students) is required to be formed. An internal faculty mentor is assigned to each team.

Submission of the Project Report:

Bound copies of the report should be submitted within the given deadline to the designated faculty.

Evaluation:

There will be one internal evaluation (40 marks) during semester. The final evaluation (60 marks) is taken at the end of semester.

In general, the student will submit a good technical report and make a power point presentation of roughly about 25-30 minutes.

Evaluation of the project will be done based on the following criteria:

- Technical Content: Considerations will be given for Analysis and Design
- Quality of Technical Report
- Contents of Presentation
- Overall sincerity and regularity of student