19CE3761 – PROJECT PHASE - I

Course Category:	Program Core	Credits:	2
Course Type:	Project	Lecture-Tutorial-Practical:	0-0-4
Prerequisites:	Nil	Continuous Evaluation:	100
		Semester End Evaluation:	-
		Total Marks:	100

Course Outcomes

Upon successful completion of the course, the student will be able to:

CO1	**Identify** project by literature survey and gap analysis	K2
CO2	**Conduct** the necessary investigations/studies with available data	K3
CO3	**Analyze** using design guidelines/ mathematical tools or/and software tools	K4
CO4	**Interpret** the results and **assess** the usefulness of the work to the society	K5
CO5	**Compile** and communicate effectively and gain leadership/ entrepreneurship qualities	K6

Contribution of Course Outcomes towards achievement of Program Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1							3		3	3	3	3	3	
CO2				2	2	2						2	2	
CO3	2	2	2							2	2	2	2	2
CO4	2	2	2	2	2					2		2	2	2
CO5				3				3	3		3		3	3
Avg.	2	2	2	2	2	2	3	3	3	2	3	2	2	2

1- Low **2-Medium** **3-High**

Course Content

The department can initiate the project allotment procedure at the end of VI semester and finalize it in the first two weeks of VII semester.

The department will appoint a project coordinator who will coordinate the following:

- Collection of project topics/ descriptions from faculty members (Problems can also be invited from the industries)
- Grouping of students (max 4 in a group)
- Allotment of project guides

The aim of project work is to develop solutions to realistic problems applying the knowledge and skills obtained in different courses, new technologies and current industry practices. This requires students to understand current problems in their domain and methodologies to solve these problems. To get awareness on current problems and solution techniques, the first 4 weeks of VII semester will be spent on special lectures by faculty members, post graduate students of the department and invited lectures by engineers from industries and R&D institutions. After completion of these seminars each group has to formalize the project proposal based on their own ideas or as suggested by the project guide.Seminar schedule will be prepared by the coordinator for all the students from the 5th week to the last week of the semester which should be strictly adhered to.

CO1. CO2. CO3 CO4 CO5

Each group will be required to:

1. Submit a one-page synopsis before the seminar for display on notice board.
2. Give a 30 minutes' presentation followed by 10 minutes' discussion.
3. Submit a technical write-up on the talk.

At least two teachers will be associated with the Project Seminar to evaluate students for the award of sessional marks which will be on the basis of performance in all the 3 items stated above.

The seminar presentation should include the following components of the project:

- Problem definition and specification¬Literature survey
- Broad knowledge of available techniques to solve a particular problem.

Planning of the work, preparation of bar (activity) charts¬Presentation- oral and written.