

## DISSERTATION PHASE - II

Semester IV (Computer Engineering)

SUB CODE: MECE402

### Teaching Scheme (Credits and Hours)

Teaching scheme				Total Credit	Evaluation Scheme					
L	T	P	Total		Theory		Mid Sem Exam	CIA	Pract.	Total
Hrs	Hrs	Hrs	Hrs		Hrs	Marks	Marks	Marks	Marks	Marks
00	00	15	15	15	0	0	0	50	150	200

### LEARNING OBJECTIVES:

The objective of this course is

- To provide a capacity to learn continually and interact with multidisciplinary groups.
- To provide innovative methods and techniques to solve research problem.
- To interpret the research material of dissertation phase – I in a critical manner and to proceed with an analysis/simulation/experimentation and critical review.
- To discover and provide a framework within which research is conducted so that student's answers are fact based and backed-up by solid information.
- To craft an extensive and comprehensive piece of written work so as to convey research in the most efficient and effective way and therefore confirm to the reader that the thesis is, as a minimum, of a worthy standard and quality.

### OUTLINE OF THE COURSE:

- Student should carry out the investigation by identifying sources of evidence, accessing those using accepted and rigorous academic methods, and analyzing and interpreting the material gathered by simulation/experimentation.
- A dissertation phase - II is student's own work & will need to keep up the effort, and the interest, over several months and through several stages.
- Student need to think carefully about the time necessary to carry-out and complete your project work and the relative writing up.

- The project should present an orderly and critical exposition of the existing knowledge of the subject and will embody results of original investigations demonstrating the capacity of the candidate to do independent research work.
- While writing the thesis/dissertation, the candidate will layout clearly the work done by him independently and the sources from which he has obtained other information contained in his/her Dissertation.

**INSTRUCTIONAL METHOD AND PEDAGOGY** (Continuous Internal Assessment (CIA) Scheme)

- Dissertation Phase - II will be evaluated at least once during the semester and at the end of the semester as a part of continuous evaluation.
- Before submission of dissertation report, it is expected from a student to publish at least one research paper in National/International conference. Further, for such publications, Department Post Graduate Committee will identify and approve the national/international conferences.
- The dissertation shall be submitted for ‘dissertation – evaluation’ ordinarily at the end of IV Semester and ‘dissertation – open defense’ shall be held soon after the submission of the dissertation.

**STUDENTS LEARNING OUTCOMES:**

On successful completion of the course, the student will:

- At the end of the course the student’s gets exposure to design a research investigation that incorporates appropriate theoretical approaches, conceptual models, and a review of the existing literature.
- Students will learn to structure a discussion in a coherent and convincing way by summarizing the key arguments and providing suitable and coherent findings.
- Student will be able to draw valid conclusions, relating them to the research topic.
- Students will write a comprehensive review of the literature, including a review of other dissertation research related to their study.
- Students develop a design of their study with a discussion of the methodology to be used.
- Students describe how their data will be treated and analyzed of their study.