

Subject Code: 01CO1401

Subject Name: Dissertation II

M. Tech. Year - II

Objective: To undertake research in an area related to the program of study so as to make significant or at least decent **contribution to research**. Thesis work may be an expansion on past work in the field or an improvement to the existing state-of-the-art. It might also reaffirm the results of previous work or solve new problems, or develop new theories. In short, thesis is to contribute something new to the field with proper proof and analysis

Credits Earned: 15 Credits

Course Outcomes:

At the end of the course, students will be able to:

- The student shall be capable of identifying a problem related to the program of study
- To carry out wholesome research on it leading to findings which will facilitate development of a new/improved product, process for the benefit of the society.
- Implementing the solution proposed in Dissertation-I in 3rd semester idea and getting results.
- To improve the existing ones or solve chosen problem efficiently
- Analyze and validate solution and show why your approach works, and in what cases it works and where/when it won't!

Pre-requisite of course: Dissertation I.

Teaching and Examination Scheme

| Teaching Scheme (Hours) | | | Credits | Theory Marks | | | Tutorial/ Practical Marks | | Total Marks |
|-------------------------|----------|-----------|---------|--------------|----|-----|---------------------------------|----------------------|----------------|
| Theory | Tutorial | Practical | | ESE (E) | IA | CSE | Viva (V) | Term work (TW) | |
| 0 | 0 | 30 | 15 | 0 | 80 | 20 | 150 | 150 | 400 |

Guide Lines:

This will be culmination of Dissertation I of semester III. In this Stage-II the evaluation shall be done through an Open seminar with an External Examiner, who shall be an expert in Dissertation research Domain. Dissertation report shall be submitted with abstract in a standardized template for uniform submission.

DEPARTMENT OF COMPUTER ENGINEERING

M. Tech dissertation should be socially relevant and research oriented ones. Each student is expected to do an individual project. The project work is carried out in two phases – Phase I in III semester and Phase II in IV semester. Phase II of the project work shall be in continuation of Phase I only. At the completion of a project the student will submit a project report, which will be evaluated (end semester assessment) by duly appointed examiner(s). This evaluation will be based on the project report and a viva voce examination on the project.

Student will be allowed to appear in the final viva voce examination only if he / she has submitted his / her project work in the form of paper for presentation / publication in a conference / journal and produced the proof of acknowledgement of receipt of paper from the organizers / publishers.