

SEMESTER-IV

| S. No. | Course Code | | L | T | P | Total | Evaluation | | Cr. | Duration of Exam (Hrs.) |
|--------------|-------------|-----------------------|---|---|----|-------|------------|-----------|-----|-------------------------|
| | | | | | | | Mid Sem | End Sem | | |
| 1 | MTSE-202A | Dissertation Phase-II | - | - | 32 | 32 | 100 | 200 | 16 | 3 |
| TOTAL | | | | | | | 300 | 16 | | |

Total Credits of all four semesters: 68

Note: 1.The course of program elective/ open elective will be offered at 1/3rd or 6 numbers of students (whichever is smaller) strength of the class.

Evaluation of Mid Sem. (40Marks)for all the semesters:

(a)Mid semester examination(s): Two Nos each of

10 marks =20Marks

(b)Attendance/ Regularity : 10 Marks

(c) Teacher's Assessment/Quizzes/Assignmentsetc:10Marks

MTSE-202 A Dissertation Phase – II
(Credits 0 : 0 : 32 =16)

Teaching Scheme

Contact Hours : 3 hrs/week for Dissertation Phase- II

Course Outcomes:

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

1. Solve complex structural problems by applying appropriate techniques and tools.
2. Exhibit good communication skill to engineering community and society.
3. Demonstrate professional ethics and work culture.

Syllabus Contents:

Dissertation-II will be extension of the work on the topic identified in Dissertation-I
Continuous assessment should be done of the work done adopting the methodology decided involving numerical analysis/ conduct experiments, collection and analysis of data, etc. There will be pre-submission seminar at the end of academic term. After the approval the student has to submit the detailed report and external examiner is called for the viva-voce to assess along with guide.

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Guidelines for Dissertation Phase – I and Phase-II

As per the AICTE directives, the dissertation is a yearlong activity, to be carried out and evaluated in two phases i.e. Phase – I: July to December and Phase – II: January to June.

The dissertation may be carried out preferably in-house i.e. department's laboratories and centers OR in industry allotted through department's T & P coordinator.

After multiple interactions with guide and based on comprehensive literature survey, the student shall identify the domain and define dissertation objectives. The referred literature should preferably include IEEE/IET/IETE/Springer/Science Direct/ACM journals in the areas of Civil Engineering, Structural Engineering and Analysis and any other related domain. In case of Industry sponsored projects, the relevant application notes, while papers, product catalogues should be referred and reported.

Student is expected to detail out specifications, methodology, resources required, critical issues involved in design and implementation and phase wise work distribution, and submit the proposal within a month from the date of registration.

Phase – I deliverables: A document report comprising of summary of literature survey, detailed objectives, project specifications, paper and/or computer aided design, proof of concept/functionality, part results, A record of continuous progress.

Phase – I evaluation: A committee comprising of guides of respective specialization shall assess the progress/performance of the student based on report, presentation and Q & A. In case of unsatisfactory performance, committee may recommend repeating the Phase-I work.

During phase – II, student is expected to exert on design, development and testing of the proposed work as per the schedule. Accomplished results/contributions/innovations should be published in terms of research papers in reputed journals and reviewed focused conferences OR IP/Patents.

Phase – II deliverables: A dissertation report as per the specified format, developed system in the form of hardware and/or software, A record of continuous progress.

Phase – II evaluation: Guide along with appointed external examiner shall assess the progress/performance of the student based on report, presentation and Q & A. In case of unsatisfactory performance, committee may recommend for extension or repeating the work

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