

Subject Code: 02MB0552

Subject Name: Dissertation Project

M. Sc. Semester – IV

Objective:

The objectives of this course are to prepare the students to adapt to the research environment and understand how projects are executed in a research laboratory. It will also enable students to learn practical aspects of research and train students in the art of analysis and thesis writing.

Credits Earned: 18

Course outcomes: Students should be able to learn how to select and defend a topic of their research, how to effectively plan, execute, evaluate and discuss their experiments. Students should be able to demonstrate considerable improvement in the following areas:

In-depth knowledge of the chosen area of research.

- Capability to critically and systematically integrate knowledge to identify issues that must be addressed within framework of specific thesis.
- Competence in research design and planning.
- Capability to create, analyse and critically evaluate different technical solutions.
- Ability to conduct research independently.
- Ability to perform analytical techniques/experimental methods.
- Project management skills.
- Report writing skills.
- Problem solving skills.
- Communication and interpersonal skills.

Pre-Requisite of Course: Cumulative experimental and theoretical knowledge of previous semesters.

Teaching Scheme:

| Teaching Scheme | | | | | | | Evaluation Scheme | | | | | |
|-----------------|------------------|------|-------------------------|----------|-----------|---------|-------------------|-------|--------|---------------------------|-------------------|-------------|
| Subject Code | Subject Name | Type | Teaching Scheme (Hours) | | | Credits | Theory Marks | | | Tutorial/ Practical Marks | | Total Marks |
| | | | Theory | Tutorial | Practical | | ESE(E) | IA(M) | CSE(I) | Viva (V) | Practicals(P)/ TW | |
| 02MB0552 | Research Project | - | - | - | - | 18 | - | - | - | 150 | 300 | 450 |
| | Total | | 04 | | 03 | 24 | 50 | 30 | 20 | 175 | 325 | 600 |