



Birla Institute of Technology & Science, Pilani
Hyderabad Campus

FIRST SEMESTER 2019-2020
Course Hand out (Part II)

01-08-2019

In addition to Part I (General Handout for all courses appended to the time table), this portion gives further specific details regarding the course.

Course No : CE F366/ CE F367
Course Title : Laboratory Project
Instructor-in-charge : Dr. ARKAMITRA KAR

1. Scope and Objective of the course:

The course is designed to provide an opportunity for students to learn to execute the research sequence comprising of the following objectives:

- To define a research problem and to study published literature in details
- To draw up an hypothesis and properly identify the scope of the study
- To design the objectives
- To strategize and develop an outline
- To design the experiments
- To conduct hands-on experimentation (design, conduct experiments, trouble-shoot and refine and replicate and most importantly, observe and monitor the entire process and soak in as many issues as possible)
- To conduct post-experimentation work (list observations, analyze and compile and finally elucidate and articulate the research conducted)

The broad scope is to exemplify and inculcate to students the joy of continual learning and improvement.

Student Learning Outcomes (SLOs) assessed in this course – **(a), (b), (d), (e), (f), (h), (i), (j), and (k).**

2. Plan of Work:

The plan of work for each student will be decided by the respective mentors. Each student should submit the hardcopy to Instructor and adhere to the plan of work.



3. Evaluation Scheme:

| S.No. | Components | Weightage, % | Due Date |
|-------|--------------------------------|-----------------|------------|
| 1. | Project Outline & Plan of Work | 5 | 15.08.2019 |
| 2. | Literature Survey | 5 | 10.09.2019 |
| 3. | Lab Related Activities - I | 20 | 05.10.2019 |
| 4. | Mid-semester Report | 10 | 05.10.2019 |
| 5. | Mid Semester Seminar | 10 | 05.10.2019 |
| 6. | Lab Related Activities - 2 | 30 | 10.11.2019 |
| 7. | Final Report | 10 | 28.11.2019 |
| 8. | Final Seminar and Viva | 10 | 28.11.2019 |

4. Mid-semester grading:

Mid-semester grading will be done after mid-semester seminar.

5. Grading Procedure:

The project outline and plan of work, weekly experimental work and interactions will be solely evaluated by the respective mentors. The mid-semester report, mid-semester seminar, final report and final seminar and viva will be graded by a panel consisting of the mentor and one or two other examiners and an average score will be considered. The other examiners will be chosen by the mentor himself / herself. Further, each mentor will recommend a grade for his student based on the marks the student has scored and the grades will be reported by the IC accordingly.

6. General:

It is the student's responsibility to ensure:

- Continuous interaction with the Instructor.
- Work to the satisfaction of the Instructor and adherence to the plan of work.

7. Notices:

All notices pertaining to this course will be put up on the CMS.

8. Project Report

The project report shall be submitted to the instructor. The reports will be checked by the instructor using **Turnitin** software. **A soft copy of the midsem and final report along with the turnitin report and receipt is to be submitted to the Instructor in-charge through your instructor.**

9. Academic Honesty and Integrity Policy: Academic honesty and integrity are to be maintained by all the students throughout the semester and no type of academic dishonesty is acceptable.

**Instructor-In-Charge,
CE F366/ CE F367**

