

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI  
HYDERABAD CAMPUS  
FIRST SEMESTER 2021-2022  
Course Handout

Date: 20/08/2021

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 : PHY F366**  
**Course Title : Laboratory Project**  
**Instructor in charge : Kannan Ramaswamy**

**1. Scope and Objective of the course:**

It aims at developing the skills for experiment in different branches of Physics. The ‘Laboratory project’ will enable students to get foundation of some selected experimental methodology from doing experiments as well as going through peer reviewed journal which specializes in experimental methods such as the “The Review of Scientific Instruments” and “Measurements”. There are experiments based core courses that facilitate learning about some well-known experimental methods in Physics. As a part of education, this Laboratory project course follows a method of learning and, therefore, the student's actual day-to-day task involvement would constitute the central thread of the learning process. However, courses like Laboratory project give opportunities and flexibility for the students to get deeply involved in an experimental technique of their choice. The evaluation will recognize this aspect by giving opportunity to students to present their ideas through oral and written reports regularly throughout the semester.

**2. Course Plan:**

The plan of work for each student will be decided by the respective Instructors. Each student should adhere to the plan of work decided for and should regularly monitor the progress of the project accordingly.

**3. Evaluation Scheme:**

Components	Weightage (%)	Due Date
(a) Project Title & Plan of Work	5	29/08/2021
(b) Presentation 1	15	20/09/2021
(c) Mid Semester Report	15	16/10/2021
(d) Presentation 2 (Mid Semester)	10	19/10/2021
(e) Final Report	25	25/11/2021

(f) Final Presentation and Viva	20	27/11/2021
(g) Weekly interactions and Diary	10	27/11/2021

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#### 4. **Midsemester grading:**

Mid-semester grading will be done on the basis of the components a, b, c and d of the evaluation scheme.

#### 5. **Grading Procedure:**

In addition to what is mentioned in Part I of handout, the grading will be done mainly on the basis of the progress made towards attainment of the project objectives and will recognize that each Instructor has given a specific task situation in which the student participates in a cognitive manner. Thus, each Instructor will recommend a grade for his student for the consideration of the Instructor-in-charge. In a specialized course of this nature the respective Instructor's assessment of the student vis-à-vis the objective of the project would be the central criterion for arriving at final grade.

6. **Notices:** All notices pertaining to this course will be put up in the Google Classroom link.

#### 7. **General**

##### **It is the student's responsibility to ensure:**

- \* Regular interaction with the instructor.
- \* Work to the satisfaction of the instructor.
- \* Submitting plan of work, written presentations, final report etc. to the instructor.
- \* Adherence to plan of work.
- \* Evaluation(s) to be completed by the due date.

#### 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**

**(PHY F366)**