

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI  
INSTRUCTION DIVISION  
FIRST SEMESTER 2009-2010  
COURSE HANDOUT (PART-II)

Date: 03-08-2009

In addition to part I (General handout for all courses appended to the timetable) this portion gives further details regarding the course.

**Course No.** : TA C211

**Course Title** : MEASUREMENT TECHNIQUE-I

**Instructor Incharge** : P K THIRUVIKRAMAN

**Instructors Name** : Souri Banerjee, Soma Sanyal, Aravinda N Raghavan, Kannan Ramswamy, Sharmistha Paul, Meenakshi V, B. Hari Hara Venkat Raman, Mousumi Das, N Rajesh, Anupam Bhattacharya, **K V G Chandrasekhar**, Ramakrishna Vadrevu, M. Bera, R.Srinivasan, **Kumar Pranav Narayan**, Jayati Ray Dutta, P Sankar Ganesh, S Kalidhasan, Thimmappa, U Sita Ramyasri

**1. AIMS AND LEARNING OBJECTIVE:**

To expose the students to experimental methods of science and to integrate theoretical knowledge and concept to practical experience. Students will learn, operation of scientific equipment for collecting data and the analysis of collected data mathematically.

**2. TEXT BOOK:**

Lab manual for Physics, Chemistry and Biology: EDD Notes

Reference: Relevant reference materials are specified in the lab manuals.

**3. EVALUATION SCHEME:**

This course is of 300 marks out of which 150 marks are assigned to Physics and 75 marks each to Chemistry and Biology.

The coordinators and their team (marked in bold) shall be fully responsible for their subject and for overseeing the operational details of the day-to-day work.

EVALUATION COMPONENT	DURATION	WEIGHTAGE			DAY, TIME AND VENUE
		PHYSICS	CHEMISTRY	BIOLOGY	
DAY TO DAY PERFORMANCE		100	48	45	RESPECTIVE LABS
COMPRE EXAM	2 Hrs	50	27	30	30/11(AN)
TOTAL		150	75	75	

#### 4. DAY-TO-DAY PERFORMANCE FOR EACH LAB:

PHYSICS MARKS		CHEMISTRY MARKS		BIOLOGY MARKS	
OBSERVATION	7	PERFORMANCE/REPORT	10	PERFORMANCE	5
VIVA	3			OBSERVATION AND RESULT	5
CALCULATION AND GRAPH	10	VIVA	6	VIVA	5
TOTAL	20	TOTAL	16	TOTAL	15

The total marks for day-to-day performance of the labs will be scaled down to the corresponding total marks mentioned in the first row of the previous table.

Students must submit lab report for each experiment done in the lab on the following turn. Students are expected to read the allotted experiments from the manuals before coming to the lab.

#### 5. MAKE-UP:

The schedule of the experiment is very tight, the students are expected to attend all the labs regularly. Make-up will be given in the following conditions only

1. Hospitalized cases
2. Marriage of his or her own brother and sister or any other ceremony in their family (Cards or parent declaration is required).
3. Without submitting a proper proof, make-up will not be granted. This will be implemented strictly.

**6. NOTICE:** Notices concerning this course will be displayed on **LTC** notice board Only.

**Instructor-In-Charge**  
**TA C211**