



**SECOND SEMESTER 2023-2024**

Course Handout Part II

Date: 09-01-2024

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.* : EEE F245

*Course Title* : Control system Laboratory

*Instructor-in-Charge* : Dr. Alivelu Manga Parimi.

*Instructors team* : Dr. Alivelu Manga Parimi , Dr. Ponnalagu R N, Dr. Ankur Bhattacharjee

**Scope and Objective of the Course:** Feedback automatic control systems are an essential feature of numerous industrial processes, scientific instruments and even commercial, social and management situations. A thorough understanding of the elementary principles of this all embracing technology is of great relevance for all engineers and scientists. This Laboratory course gives hands-on experience to the theoretical concepts covered in the theory course.

**Textbooks:**

1. Nagrath I. J. and M. Gopal, Control Systems Engineering, New Age International (P) Limited, 5th ed, 2007.

**Reference books**

1. Kuo, B. C., and Golnaraghi, F., Automatic Control Systems, John Wiley & Sons, 8th ed, 2003.
2. Dorf, R. C., and Bishop, R. H., Modern Control Systems, Addison Wesley, 7th ed, 1995.

**Course Plan:**

The laboratory classes will be conducted in the Control system Lab. The practicals are intended to provide hands-on experience in Labview environment upon the concepts learned in the class under Control System course. Details of the experiments will be available in the “Laboratory Manual”. Laboratory marks mentioned includes marks for record and attendance in lab practical.

**Evaluation Scheme:**

Component	Duration	Weightage (%)	Date & Time	Nature of Component
Laboratory Practical Regular class work	2 hours	60%	Time Table	OB
Lab exam	1 hour	40%	Will be announced	CB

**Chamber Consultation Hour:** Chamber consultation hours of Instructors will be announced separately.



**Notices:** All notices of this course will be displayed in CMS

**Make-up Policy:** Make-up for components will be granted for genuine reasons, only when prior-permission is obtained from Instructor-in-charge.

**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**

