



Laxmi Singh Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai*)
(Accredited Programmes by National Board of Accreditation, New Delhi**)

A - Block, Thakur Educational Campus,
Shyamnarayan Thakur Marg, Thakur Village,
Kandivali (East), Mumbai - 400 101.

Tel.: 6730 8000 / 8106 / 8107

Fax : 2846 1890

Email : tct@thakureducation.org

Website : www.tctmumbai.in • www.thakureducation.org



ISO 9001 : 2008 Certified

*Permanent Affiliated UG Programmes : • Computer Engineering • Electronics & Telecommunication Engineering • Information Technology (w.e.f.:A.Y.2015-16 onwards)

**1st time Accredited UG Programmes : • Computer Engineering • Electronics & Telecommunication Engineering • Information Technology

**2nd time Accredited UG Programmes : • Computer Engineering • Electronics & Telecommunication Engineering • Information Technology • Electronics Engineering (3 years w.e.f.:01-07-2016)

TCET/FRM/IP-02/10

Revision: B

Semester Plan (Practical / Tutorials / Assignment)

Semester: III

Course: B.E EXTC

Batches: S.E A1 & A2
A3 & A4

Subject: **Electronic Instrumentation and Controls** Class: **S.E EXTC- A** Batch size: **73** Students

Laboratory faculty in charge: **Dr.Madhuri Mavinkurve**

Lab. Assistant /Attendant: Nil

Note: **Tutorials planned as per University of Mumbai Curriculum**

Basic Tutorials:

Sr. No.	TITLES Experiments / Tutorials / Assignment (Planning with use of Technology)	Planned Date	Completion Date	Remarks
1.	Tutorial on calculation of transfer function for given practical system	18/07/17		
		27/07/17		
2.	Tutorial on Block Diagram Reduction	24/07/17		
		27/07/17		
3.	Tutorial on finding stability of given system	31/07/17		
		03/08/17		
4.	Tutorial on Time domain analysis of given system	07/08/17		
		10/08/17		
5.	Tutorial on Frequency domain analysis of given system	14/08/17		
		24/08/17		
6.	Tutorial on basic measurement specifications and on RLC measurement	04/09/17		
		31/08/17		
7.	Tutorial on working of transducers & sensors	11/09/17		



Yogda Singh Charitable Trust's (Regd.)

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		07/09/17		
8.	Tutorial on data acquisition system	11/09/17		
		07/09/17		
Design/ Development Tutorials:				
9	Design based tutorial on Transient & steady state behaviour of first and second order systems	18/09/17		
		14/09/17		
10	Design based tutorial on plotting frequency response using Bode plot, Polar plot, Nyquist plot	25/09/17		
		21/09/17		
S.No.	Group Activity	Date	Modes of Learning	Recommended Sources
1.	Assignment on Transfer function model of electrical systems & block diagram reduction	11-08-17	Self Learning	Resource Book Module 4
2	Assignment on stability Analysis in Time & Frequency domain	11-09-17	Self Learning	Resource Book Module 5 & 6
3	Assignment on Principle of Measurement, transducers and data acquisition systems	10-10-17	Self Learning	Resource Book Module 1, 2 & 3



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No. of Prac	Planned	Completed	No. of Assignments	Planned	Completed	No. of Tutorial	Planned	Completed
	NA			03			Basic Tuts: 08 Design Base Tuts: 02	
DOSLNE:				DOSLE (engaged in some other dates):				
Group activities are required to be added with the practical related to course to enhance the learning activity of the student in the course. Group activity includes: Group presentation, new experiment design, mini projects etc. Note: 1. The practical plan date and completion date shall be in compliance. For any non-compliance reason(s) required to be stated in remark column. 2. Learning objective and outcome shall be clearly stated with each of experiments/ tutorials/ assignments and are required to be mapped at the end of the semester. 3. Entry for DOSLE (engaged on some other date) shall be done with proper mapping to DOSLNE.								
Sd/- (Dr. Madhuri Mavinkurve) Name & Signature of Faculty			Sd/- (Dr. Vinitkumar Dongre) Signature of HOD			Sd/- (Dr. R.R Sedamkar) Signature of Principal / Dean Academic		
Date: 21/07/2017			Date:			Date:		