

Zagdu 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 : tet@thakureducation.org Website : www.tcetmumbai.in • www.thakureducation.org



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

**Ist 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)

Semester: VII Course: EXTC Batches: A1-A2

A3-A4

Subject: Advanced Communication Engineering Labl Class: **B.E EXTC- A &B** Batch size: 40

Students

(ETL-302)

Laboratory faculty in charge: Ms. Aradhana Manekar

Lab Assistant: Ms. Kinjal

Note: Experiment planned as per University Curriculum

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Basic Experiments:

Sr. No.	TITLES Experiments / Tutorials / Assignment (Planning with use of Technology)	Batches	Planned Date	Completi on Date	Remarks
		A1	28/07/2017		
1.	C-44:	A2	28/07/2017		
	Setting up for fiber optioc analog link	А3	27/07/2017		
		A4	27/07/2017		
2.	Study of klystron oscillator using	A1	04/08/2017		
	Microwave bench . Identify different	A2	04/08/2017		
	modes of klystron oscillator	A3	03/08/2017		
	, and the second	A4	03/08/2017		
		A1	11/08/2017		
3.	Study of numerical aperture of optical	A2	11/08/2017		
	fiber	A3	10/08/2017		
		A4	10/08/2017		
4.	Measurement of frequency of klystron	A1	18/08/2017		
		A2	18/08/2017		
	oscillator using slotted line.	A3	24/08/2017		
		A4	24/08/2017		
5.		A1	01/09/2017		
	To measure Bending losses for	A2	01/09/2017		
	different wavelengths	A3	31/08/2017		
		A4	31/08/2017		
	Study of variable attenuator using	A1	08/09/2017		
		A2	08/09/2017		
	Microwave bench.	A3	07/09/2017		
6.			07/09/2017		
		A4			

Issued By: MR Approved By: Principal



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And value (28st), Numbrai - 400 101.

Tel.: 63st, Numbrai - 400 101.

Tel.: 64st, Numbrai - 40

The ar	1. Research 2. Core 3. Int	erdisci eme Class	Type / Project Hours	Modes of Learning	Reference	
The ar	1. Research 2. Core 3. Int	·	plinary 4.	Application		
		erdisci	plinary 4.	Application		
	eas are ·					
١.	to student choice in the following are (Total 120 Hrs)	as. (30	Hrs / Semest	er / Student).		
1.	Mini /Minor Projects Objective: To	get han			projects wit	h respect
		A3 A4	12/10/2017 12/10/2017	1		
	Fiber Transmission Network	A2	13/10/2017			
	Case study on On Long Hual Opt	ical	A1	13/10/2017		
10.			A4			
	constant 1) 2.2 2) 4.4 3) 10.2		12/10/2017			
	using stub. Used different dielectr	A3	12/10/2017			
	Mini Project : Design a matched circuit to match a load with source	A1 A2	13/10/2017			
	Mini Dugiagt Dagian a matched		Λ.4	13/10/2017		
Group	Learning Activity:					
		A4	05/10/2017			
9.	length and do performance evalua	ation.	A3	05/10/2017		
	and PIN diode and vary the Fiber		A2	06/10/2017		
	Design a fiber optic link using Di		A1	06/10/2017		
8.	components		A4	21/09/2017		
	load with source using lumped		A3	21/09/2017		
	Design a matched circuit to match	ı a	A2	22/09/2017		
			A1	22/09/2017	1	
Desig	n/ Development Experiments:					
		A4	14/09/2017			
	design example	A3	14/09/2017			
7.	Study of OPTSIM Software wit	h an	A1 A2	15/09/2017 15/09/2017		

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2.	A Fiber-	Optic Memor			E TC-	Research Application	Project Based Learning	tech- online.co project-ba	w.electro- m/threads/ ased-on- per.95766/
	Planned	Completed		Pla d	nne	Completed		Planned	Completed
No. of Prac	Basic Exp: 07 Design Base Exp: 02 Group Learnin g: 2 Bridge Course: 01 Major Project: 02		No. of Assign ments	02			No. of Tutorial	00	
DOSLI	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 (Ms.Aradhana Manekar) (Dr. Vinitkumar Dongre) (Dr. R. R. Sedamkar) Name & Signature of Faculty Signature of Principal / Dean Academic Signature of HOD Date:20/07/2017 Date: 20/07/2017 Date: /07/2017

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