



TCET/FRM/IP-08/10

Revision: B

Semester Plan

(Practical / Tutorials / Assignment)

Semester: III

Course: IT

Batches: B1,B3,A4

Subject: Principles Of Communication

Class: S.E(IT) B

Batch Size: 20

Laboratory faculty in charge: Mr Vijay Yele

Lab. Assistant /Attendant: Mr Vaibhav Chavan

Sr. No.	TITLES Experiments / Tutorials / Assignment (Planning with use of Technology)	Planned Date	Completion Date	Remarks	
		A4 B3 B1	A4 B3 B1		
1	Demonstration of Amplitude modulation.	25/7/2017 26/7/2017 27/7/2017			
2	Demonstration of Frequency modulation.	1/8/2017 2/8/2017 3/8/2017			
3	Study of AM/ FM receiver.	8/8/2017 9/8/2017 10/8/2017			
4	Demonstration of Signal sampling and reconstruction.	19/8/2017 16/8/2017 24/8/2017			
5	Study of PWM generation and detection.	19/8/2017 16/8/2017 24/8/2017			
6	Study of PCM coding and decoding.	5/9/2017 30/8/2017 31/8/2017			
7	Study of Delta modulation and demodulation	12/9/2017 6/9/2017 7/9/2017			
Design/ Development Experiments:					
8	Demonstration of TDM/ FDM.	16/9/2017 13/9/2017 14/9/2017			



Laxda 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**)

*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)

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

Tel : 6730 8000 / 8106 / 8107

Fax : 2846 1890

Email : tcet@thakureducation.org

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



ISO 9001 : 2008 Certified

9	Demonstration of BPSK, BFSK, BASK		19/9/2017 20/9/2017 21/9/2017			
10	Study of QPSK		19/9/2017 20/9/2017 21/9/2017			
Group Learning Activity:						
11	Study of Inter symbol Interference and Line coding.		26/9/2017 4/10/2017 5/10/2017			
12	Study of different types of Propagation.		3/10/2017 7/10/2017 7/10/2017			
<p>1. Mini /Minor Projects Objective: To get hands on experience to execute projects with respect to student choice in the following areas. (30 Hrs / Semester / Student). (Total 120 Hrs)</p> <p>The areas are :</p> <p>1. Research 2. Core 3. Interdisciplinary 4. Application</p> <p>Minor project : As per University Scheme</p>						
Sr. No	Project Title/Group Size	Class	Group Size/ Project Hours	Project Type	Reference	
1.	Development of simulation model for analog modulation techniques (AM/FM) using MATLAB	SE	4-5	Mini	Technology Based Learning	
	Development of simulation model for shift keying techniques (ASK,PSK,FSK,QPSK) using MATLAB	SE	4-5			
	Development of simulation model for different line coding techniques using MATLAB	SE	4-5			



Laxda 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**)

*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)

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

Tel : 6730 8000 / 8106 / 8107

Fax : 2846 1890

Email : tcet@thakureducation.org

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



ISO 9001 : 2008 Certified

	Planned	Completed		Planned	Completed		Planned	Completed	
No. of Prac.	Basic : 07		No. of Assig n.	03		No. of Tutoria l	12		
	Design Base 03								
	Group Learning: 02								
	Bridge Course: 02								
	Mini Project: 02								
DOSLNE:				DOSLE (engaged in some other dates):					
<p>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.</p> <p>Note:</p> <ol style="list-style-type: none"> The practical plan date and completion date shall be in compliance. For any non-compliance reason(s) required to be stated in remark column. 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. Entry for DOSLE (engaged on some other date) shall be done with proper mapping to DOSLNE. 									
MR Vikas Kaul Name & Signature of Faculty			Dr. Rajesh Bansode Signature of HOD			Dr. R. R. Sedamkar Signature of Principal/Dean (Academics)			
Date:			Date:			Date:			