

Zugdu «Songh Chavitable "Just's («Regd.) THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY (Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai\*) (Acccredited Programmes : Computer Engineering \* Electronics & Telecommunication Engin
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\*\*13t time Accedited UG Programmes : Computer Engineering \* Electronics & Telecommunication Engin A - Block, Thakur Educational Campus, Shyamnarayan Thakur Marg, Thakur Village, Kandivali [East], Mumbai - 400 101. Tel.: 6730 8000 / 8106 / 8107 Fax : 2846 1890 Email : tcet@thakureducation.org Website : www.tcetmumbai.in \* www.thakureducation.org g · Information Technology (w.ef.: A:2015 / 6 onwards) g · Information Technology Electronics Engineering (3 years w.e.f.:01-07-2016)



TCET/FRM/IP-08/10 Revision: B **Semester Plan** (Practical / Tutorials / Assignment) Semester: V Batches: A3 Course: **T.E.(IT**) Subject: Operating System Class: T.E.(IT) A Batch Size:20 Laboratory faculty in charge: Mrs. Pranjali Kasture(207) Lab. Assistant /Attendant: Mr. Anil Taware Sr. TITLES **Experiments / Tutorials / Assignment Planned Date Completion Date** Remarks No. (Planning with use of Technology) To study different operating systems & 25/07/2017 1 their Architecture. To study & implement FCFS scheduling 1/8/2017 2 Algorithm. To study and implement FIFO & LRU 3 8/8/2017 page replacement algorithm. **Design/ Development Experiments:** 4 To implement SJF scheduling algorithm 5/9/2017 5 12/9/2017 To implement RR scheduling algorithm To study and implement checking status of 6 19/9/2017 file and provide security to file To study and implement deadlock 7 19/9/2017 avoidance algorithm To study and implement Peterson's 8 26/9/2017 Algorithm Case study on dining philosophers problem 9 26/9/2017 and its solution **Group Learning Activity:** 03/10/2017 10 Case Study on: NOS & DOS **IEEE Transaction:** 11 Recent Trends in Operating Systems and 03/10/2017 their Applicability to HPC Project: 12 17/10/2017 Development of Android application.



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\*\*18 time Accredited UG Programmes :\* Computer Engineering \* Electronics & Telecommunication Engineering \* Information Technology \* Electronics Engineering (3 years w.e.f.: 01-07-2016)

## Bridge courses Objective: Bridging of gaps with respect to prerequisites and industry skills or to carryout research in that particular field. (30 Hrs / Semester / student) Bridge Duration Sr. **Modes of Learning Recommended Sources** No. courses/Technology (Week/hrs) Prerequisite course: http://www.tutswing.com/cp 2 Weeks/ 3 Hrs Programming using Unix Self Learning/ Revision 1. lusplus-home or Java Online e-book (Android 5 Web sources: Advanced course: 2 12 Weeks/ 2 Hrs Programming by http://www.onlineprogramm Android Programming Example) ingbooks.com/android/

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) The areas are :

## 1. Research 2. Core 3. Interdisciplinary 4. Application

Minor project : As per University Scheme

Sr. No	Project Title/Group Size		Class		Type / Project Hours	Modes of Learning	Reference	
01	<ol> <li>Android based attendance management system</li> <li>Activity scheduling system</li> <li>Group Size- 3 Students Per Group</li> </ol>		TE-IT A		2-3	Minor	Technology Based Learning <u>http://www.onlineprogr</u> <u>ammingbooks.com/and</u> <u>roid/</u>	
	Planned	Completed		Planned	Completed		Planned	Completed
No. of Prac.	Basic Exp: 03 Design based Exp: 06 Group Learning: 03 Bridge Course: 02 Minor Project: 02		No. of Assign.	03		No. of Tutorials		
DOSLNE:				DOSLE (engaged in some other dates):				



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



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.

Mrs. Radhika Kotecha Name & Signature of Faculty **Dr. Rajesh Bansode** Signature of HOD

Signature of Principal/ Dean (Academics)

Date:

Date:

Date: