



Lagdu 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)
• Electronics Engineering (w.e.f. A.Y. 2017-18 onwards)

**1st time Accredited UG Programmes: • Computer Engineering • Electronics & Telecommunication Engineering • Information Technology (3 years w.e.f. 16-09-2011)

**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,
Kandivali (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

TCET/FRM/IP-08/10

Revision: B

Semester Plan

(Practical / Tutorials / Assignment)

Semester: III Course: **S.E.(IT)** Batches: **A2, B1, B3**

Subject: Database Management System

Class: **S.E. IT(A& B)** Batch Size: **20**

Laboratory faculty in charge: Mrs. Mary Margarat(206)
Mrs. Pranjali Kasture(207)

Lab. Assistant / Attendant: Mr. Anil
Taware

Sr. No.	TITLES Experiments / Tutorials / Assignment (Planning with use of Technology)		Planned Date	Completion Date	Remarks																										
			A2	A2																											
			B1	B1																											
			B3	B3																											
<table><tr><td rowspan="5"></td><td>Group of Students</td><td>Case Study</td><td>Group of Students</td><td>Case Study</td><td></td></tr><tr><td>1-10</td><td>National Hockey League</td><td>41-50</td><td>Online Bookstore</td><td></td></tr><tr><td>11-20</td><td>University Management</td><td>51-60</td><td>Project Company</td><td></td></tr><tr><td>21-30</td><td>Car-insurance company</td><td>61-70</td><td>Sports Team</td><td></td></tr><tr><td>31-40</td><td>Hospital Management</td><td>71-80</td><td>Teacher Guardian System</td><td></td></tr></table>							Group of Students	Case Study	Group of Students	Case Study		1-10	National Hockey League	41-50	Online Bookstore		11-20	University Management	51-60	Project Company		21-30	Car-insurance company	61-70	Sports Team		31-40	Hospital Management	71-80	Teacher Guardian System	
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1.	Draw an ER diagram and EER diagram for above mentioned case study.		18/7/17 19/7/17 20/7/17																												
2.	To study and performbasic DDL (Data Definition Language) commands like CREATE, ALTER, DROP for above mentioned case study.		26/7/17 25/7/17 27/7/17																												
3.	To study and performbasic DML (Data Manipulation Language) commands like SELECT, INSERT, UPDATE, DELETE for above mentioned case study.		2/8/17 1/8/17 3/8/17																												



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4.	To study and Implement basic Data Constrains like PRIMARY KEY, FOREIGN KEY, NOT NULL, UNIQUE , CHECK for above mentioned case study.	9/8/17 8/8/17 10/8/17		
5.	To study and Implement A. Compound condition (and, or, in , not in, between , not between , like , not like) B. Aggregate functions (sum, count, max, min, average) For above mentioned case study.	16/8/17 5/9/17 24/8/17		
6.	To study and Implement A. Grouping commands (group by, order by) B. Joins (cross join, inner join, outer join) C. Various set operations For above mentioned case study.	30/8/17 12/9/17 31/8/17		
7.	To study and Implement A. various scalar functions and string functions (power, square, substring, reverse, upper, lower, concatenation) B. Views (Create , Alter and Drop) C. Cursors (simple and parameterized) For above mentioned case study.	6/9/17 16/9/17 7/9/17		
8.	To study and perform Trigger (Row and Column) on Insert, Update and Delete for above mentioned case study.	13/9/17 19/9/17 14/9/17		
9.	To study and perform basic DCL (Data Control Language) commands like GRANT, REVOKE for above mentioned case study.	20/9/17 26/9/17 21/9/17		
10.	To implement Program for construction of index- B-Tree / B+-Tree	4/10/17 3/10/17 5/10/17		
Design/ Development Experiments:				



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11.	Design Menu and Forms using Java as Front End, SQL server or MYSQL as Back End. Use JDBC drives to connect both. Generate a Reports for Above Mentioned case study.	12/10/17 12/10/17 12/10/17		
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Group Learning Activity:

12.	Case study on A. Introduction to Data Mining B. Introduction to Weka Tool for Data Processing.	7/10/17 7/10/17 7/10/17		
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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)

S. No.	Bridge courses/Technology	Duration (Week/hrs)	Modes of Learning	Recommended Sources
1.	Advanced Database Technology online course	8 Weeks / 4	Video Lectures	NPTTEL website

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)

The areas are :

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

Minor project : As per University Scheme

Sr. No	Project Title/Group Size	Class	Group Size/Project Hours	Project Type	Modes of Learning
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1.	Inventory Control System. Hotel Management System Hospital Management System. Railway Reservation System. Personal Information System. Timetable Management System. Hotel Management System		SE IT A	3/4	Minor	Project Based Learning		
No. of Practicals.	Planned	Completed	No. of Assignments	Planned	Completed	No. of Tutorial	Planned	Completed
	Basic Exp: 10 Design Base Exp: 01 Group Learning: 01 Bridge Course: 01 Minor Project: 01			03			-----	-----
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.								



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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/-

Mr. Namdeo Badhe

Name & Signature of Faculty

Date:

Sd/-

Dr. Rajesh Bansode

Signature of HOD

Date:

Sd/-

Dr. R. R. Sedamkar

Signature of Principal/ Dean (Academics)

Date: