Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Information Technology

Structured Work Plan for Teaching

Academic Year 2019-2020

1. Details of Classes to be taught

Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
B.Sc.C.S. T.Y. (Sem - V)	Jayshree M. Jadhav	RDBMS Through Oracle	U-RDB-603	LAB. COURSE - XVIII U-LAC-609	Th-52

2. Summary of Lesson Plan

Name of Teacher: Mrs. Jayshree M.Jadhav   Class   :B.Sc.C.S. T.Y. [V - Sem]

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	UNIT I: Basic & Advance SQL Statements	24-6-19	18-7-19	18	Queries Solving Task	Assignment on Select Statement, Views
2	UNIT II: Subqueries & PL/SQL Overview	19-7-19	14-8-19	15	Seminars	Programming Assignments on conditional Logic
3	UNIT III: Advance in PL/SQL	16-8-19	31-8-19	10	Seminars	Class test
4	UNIT IV: Concurrency control in Oracle and Database objects	1-9-19	22-10-19	9	Programs discussion	Programming Assignments on procedures

Course Teacher

J·M·Jadhav

Rajarshi Shahu Mahavidyalaya ,Latur

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Department of InformationTechnology

Structured Work Plan for Teaching

Academic Year 2019-2020

1. Details of Classes to be taught

Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
B.C.A. T.Y. [V- Sem]	Jayshree M. Jadhav	Relational DBMS	U-RDB-616	LAB. COURSE – XVIII U-LAC-622	Th-52

2. Summary of Lesson Plan:

Name of Teacher: Mrs. Jayshree M .Jadhav   Class   : B.C.A. T.Y. [V - Sem]

Sr. No.	Unit and Chapter to be covered	Date From	Date To	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
1	UNIT I: Basic & Advance SQL Statements	24-6-19	18-7-19	18	Quries Solving Task	Assignment on Select Statement, Views
2	UNIT II: Subqueries & PL/SQL Overview	19-7-19	14-8-19	15	Seminars	Programming Assignments PL/SQL
3	UNIT III: Advance in PL/SQL	18-8-19	05-9-19	10	Programs on triggers	Class test
4	UNIT IV: Database objects	6-9-19	22-10-19	9	Seminars	Programming Assignments on procedures & functions

Course Teacher

J. M. Jadhav

Teaching Plan Academic Year 2019-2020

Name of Teacher: Jayshree M.Jadhav

Class: B.Sc.CS. T.Y. **Semester:** VI

Course Title: Database Administration   **Course Code:** U-DBA-704

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Chap 1. Basics of DBA: Functions of DBA, Oracle Instance- Starting and Stopping Instance, Memory Architecture, Background Process, Physical Database Structure, Manual Database creation	16-12-19 to 7-1-20	10
	Chap 2. Tablespaces: Introduction to Tablespaces - Types of Tablespaces Working with Tablespaces - Creating Tablespaces, altering Tablespaces, modifying Tablespaces, Management of Tablespaces	8-1-20 to 16-1-20	7
Unit II	Chap 3. Physical Database Layouts & storage management: Traditional disk space storage, Resizing tablespaces and database, Moving datafile, Moving online redo log file, moving control files, Undo basics	20-1-20 to 29-1-20	7
	Chap 4. RAC Database:- Overview of Real Application Clusters, RAC database characteristics	31-1-20 to 8-2-20	5
Unit III	Chap 5. Backup and Recovery:- Logical Backup -data pump export/import process , Physical backup - Offline Online backup, Flash Recovery area	10-2-20 to 20-2-20	6
	Chap 6. Database Tuning Tuning - application design, effective table design, Distribution of CPU requirements, Effective application design, Tuning SQL, Impact of order of load rates, Additional Indexing options, Generating explain plan.	21-2-20 to 15-3-20	8
Unit IV	Chap 7. Database Security and Auditing - Non database security, database authentication methods, database authentication, DBA authentication, user accounts, database authorization methods, auditing	17-3-20 to 29-3-20	12

Course Teacher
J. M. Jadhav.

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Teaching Plan Academic Year 2019-2020

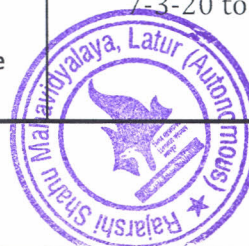**Name of Teacher:** Jayshree M.Jadhav
Class: B.C.A. T.Y. **Semester:** VI

Course Title: Database Administration   **Course Code:** U-DBA-717

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Chap 1. Basics of DBA: Functions of DBA, Oracle Instance- Starting and Stopping Instance, Memory Architecture, Background Process, Physical Database Structure, Manual Database creation	16-12-19 to 4-1-20	13
	Chap 2. Tablespaces: Introduction to Tablespaces - Types of Tablespaces Working with Tablespaces - Creating Tablespaces, altering Tablespaces, modifying Tablespaces, Management of Tablespaces	6-1-20 to 16-1-20	7
Unit II	Chap 3. Physical Database Layouts & storage management: Traditional disk space storage, Resizing tablespaces and database, Moving datafile, Moving online redo log file, moving control files, Undo basics	20-1-20 to 29-1-20	7
Unit III	Chap 4. Backup and Recovery:- Logical Backup -data pump export/import process , Physical backup - Offline Online backup, Flash Recovery area	31-1-20 to 8-2-20	6
	Chap 5. Database Tuning Tuning - application design, effective table design, Distribution of CPU requirements, Effective application design, Tuning SQL, Impact of order of load rates, Additional Indexing options, Generating explain plan.	10-2-20 to 26-2-20	12
Unit IV	Chap 6. Database Security and Auditing - Non database security, database authentication methods, database authentication, DBA authentication, user accounts, database authorization methods, auditing	7-3-20 to 27-3-20	12

Course Teacher
J.M.Jadhav

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