

RajarshiShahuMahavidyalaya(Autonomous), Latur
Faculty of Information Technology

Structured Work Plan for Teaching

Academic Year (2020 - 2021)

(12 Sept 2020 TO 15 feb 2021)

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code
1	BSc CS FY (I SEM) Div-A	Mrs.Kulkarni Chandraprabha V.	Introduction To Linux OS	U-INL-174
2	BSc CS FY (I SEM) Div-B		Introduction To Linux OS	U-INL-174

2. Summary of Lesson Plan

Name of Teacher: Kulkarni Chandraprabha V.

Class :BSc C.S. FY I Sem (Div A+ Div B)

Teaching Hours: 70

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
			FROM	TO			
1.	Introduction To Linux OS U-INL-174	UNIT I: Introduction to Linux and File System 1. Introduction to Linux O.S. 1.1. Operating System.	12-Sept-2020	29-oct-2020	20	ICT Teaching By Using Zoom	Unit-I Quiz through Google Form

		<p>1.2. Types of Operating System</p> <p>1.3. Functions of Operating System</p> <p>1.4. History of Linux.</p> <p>1.5. Advantages of Linux.</p> <p>1.6. Flavors of Linux, Linux Loader, Linux kernel,</p> <p>2. Linux File System</p> <p>2.1. Linux file system</p> <p>2.2. Directory structure of Linux</p> <p>2.3. File System concept ext3, ext2.</p>					
		<p>UNIT II: Linux commands</p> <p>3. Linux commands</p> <p>3.1. General Purpose Utilities – - Man, who, login, logout, shutdown, passwd.</p> <p>3.2. File management commands – cat, cp, rm, mv</p> <p>3.3. Filter related commands – grep ,wc, head, tail, sort</p> <p>3.4. Directory management commands – pwd, cd, mkdir, rmdir, ls</p> <p>3.5. Checking directories and permissions – pwd, chmod, cd, ls</p> <p>3.6. Compression commands zip, unzip, gzip, gunzip,</p> <p>3.7. printer related</p>	2-Nov-2020	13-Dec-2020	20	ICT Teaching Through Teams	Quiz through Google Form

		commands lpc ,lpr, lpq. Lprm					
		UNIT III: VI Editor 4. Working with permissions 4.1. Assigning file permissions, directory Permission 4.2. Using text editors 4.3. Editor, use of vi 4.4. Features of vi 4.5. Vi basics, different modes and working with vi 4.6. Command mode -cursor movements (k, j, h, l), delete (character, line, word)	16-Dec-2020	10-Jan-2021	15	Seminar	Quiz through Google Form
		UNIT IV: RPM 5. Working with RPM 5.1. Performing system maintenance 5.2. Communication commands :- write, wall, talk, mesg, motd, Pre-login Message 5.3. Managing software with RPM :- Installing, Uninstalling, Upgrading Managing users Groups and passwords.	11-jan-2021	15-Feb-2021	15	Classroom Seminar	Quiz through Google Form

RajarshiShahuMahavidyalaya(Autonomous), Latur
Faculty of Information Technology

Structured Work Plan for Teaching

Academic Year (2020 - 2021)

(24-Feb-2021 TO 15-May-2021)

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code	Practical Paper Code	Total Teaching Hours
1	B.C.A SY	Kulkarni Chandreprabha V.	Linux O.S. Credits:3	U-LOS-489 Credits : 2	Lab-Course 5 (Linux)	(TH) 30 (PR) 15
2	BSc CS FY (II Sem) Div A + Div B		Data Base Mgmt. System Credits:3	U-DBM-272 Credits : 2	U-LAC-276	(TH) 31 (PR) 15

2. Summary of Lesson Plan

Name of Teacher : Kulkarni Chandreprabha V.

Class :B.C.A. SY (III Sem)

Paper Name: Linux Operating System

Sr. No.	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
		FROM	TO			
1.	UNIT –I 1. Introduction: 1.1. History of Unix 1.2. Directory structure of Linux 1.3. History of Linux 1.4. Comparison of various operating systems 1.5. Advantages of Linux, Flavors of Linux, Installation notes, Linux	24- feb	18- march	10	Class seminar	Assignment on File related commands

	Loader, Linux kernel, linux filesystem.					
	2. File System and Devices 2.1. File System concept ext3, ext2. 2.2. File systems: - mount,fsconf and other related commands	20- march	31 march	06	Class seminar	Assignments on file system
2	Unit –II 3. Working with permissions 3.1. Assigning file permission 3.2. Directory Permission 3.3. Using text editors 3.4. Working with vi&emacs 3.5. System services and run levels 3.6. Controlling services at boot with	1	15 April	5	Class Seminar	Assignments on Chmod Command

	administration tools (chkconfig& using GUI based services)					
	4. Linux commands 4.1. General Purpose Utilities 4.2. File management commands 4.3. Filter related commands 4.4. Directory management commands 4.5. Checking directories and permissions 4.6. Compression commands.	17- April	30 April	5	File Creation Task	Assignment General Purpose commands.
3	Unit-III 5. SystemAdministration 5.1. Performing system maintenance 5.2. Communication commands 5.3. Pre-login Message 5.4. Managing software with	1 may	10 may	03	Directory creation and compression Cmd task.	Assignment on Compression commands.

	RPM 5.5. Managing users and managing Groups and managing passwords.					
4	Unit-IV 6. Backup strategies: 6.1. Choosing Backup Strategies and Operations 6.2. Choosing Backup hardware and media. 6.3. Using backup software and commands	10 may	15 may	02	Class Seminar	Assignment on backup strategies.

2. Summary of Lesson Plan

Name of Teacher : Kulkarni Chandreprabha V.

Class :B.Sc. C.S. (II Sem) Div A + Div B

Paper Name : Database Management System

Sr. No.	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1.	UNIT –I 1. Introduction to Database 1.1. Definition of DBMS, File processing Vs DBMS 1.2. Advantages and disadvantages of DBMS 1.3. Users of DBMS 1.4. DBMS Structure 2. Elements of DBMS 2.1. DBMS Languages: DDL, DML, DCL 2.2. Terms: Entity, Entity set, attributes 2.3. Keys: Primary, secondary, foreign, compolsite	18 March	30 march	08	Class Seminar	Assignmnet on Create table stmt.
2.	UNIT –II 3. Data Models 3.1. Introduction, Object based logical model, 3.2. record based logical model	1-April	22-April	10	Class Seminar	Assignmnet on Insert into table stmt.

	<p>(RDB, NDB, HDB)</p> <p>3.3. E-R model, E-R diagram</p> <p>4. Relational Algebra and Calculus</p> <p>4.1. Introduction</p> <p>4.2. Relation, Schemes, Domain, Tuples</p> <p>4.3. Cardinality degree</p> <p>4.4. Algebraic operation</p> <p>4.5. Fundamental operation: Select, product, union</p> <p>4.6. Set difference: Natural join, Cartesian product, rename</p>					
3.	<p>Unit –III</p> <p>5. Relational Database Design</p> <p>5.1. Normalization: 1NF, 2NF, 3NF, BCNF</p> <p>5.2. Class diagrams and E-R tables</p> <p>5.3. Functional dependency</p> <p>6. SQL</p> <p>6.1. Data types</p> <p>6.2. Table Creation, Modify</p> <p>6.3. Selecting, Deleting records</p> <p>6.4. Simple queries</p> <p>6.5. Oracle constraints</p>	26-April	4-May	7	Table Creation query task.	Assignment on Select stmt.
4	Unit-IV	5 may	15 may	06	Insert into query task	Assignment on

	<p>7. Use of Operators</p> <p>7.1. Comparison operators</p> <p>7.1.1. Between, In, Not In, Like, Null</p> <p>7.2. Logical operators</p> <p>7.2.1. AND, OR, NOT</p> <p>8. Advance in SQL</p> <p>8.1. SQL function</p> <p>8.2. Joins (Self and equi)</p> <p>8.3. Sub-queries</p> <p>8.4. Views</p>					<p>Operators</p> <p>stmt.</p>
--	--	--	--	--	--	---