Rajarshi Shahu Mahavidyalaya(Autonomous), Latur

Department of Information Technology

Structured Work Plan for Teaching

Academic Year 2019-20

(JULY-2019 TO OCT-2019)

1. Summary of Lesson Plan

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: Introduction to Database	01-07-2019	31-O7-2019	15	Seminar	Class test
2	UNIT II: Data Models	01-08-2019	31-08-2019	12	Practice Programs	Class test
3	UNIT III: Relational Database Design	03-09-2019	30-09-2019	15	Seminar	Class test
4	UNIT IV: SQL FUNCTIONS & OPERATORS	01-10-2019	24-10-2019	13	Programs discussion	Class test

Course Teacher

Joshi P. G

Head
Dept. of Information Technology
R.S.M.(Autonomous), Latur

Principal
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1. **Details of Classes to be taught**

Class	Name of Teacher	Course Title	Course Code	Practical paper code	Total Teaching Hours
BCA I(DIV A+B)	Mr. Prashant G. Joshi	Web Page Designing	U-DAS-282	Lab Course-VII (U-LAC-286)	Th-53 PR-15
BCA II	Mr. Prashant G. Joshi	DBMS	U-DBM-395	Lab Course-X(U-LAC-395)	Th- 55 PR- 15

2. **Summary of Lesson Plan**

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: Introduction to web designing &HTML Documents	01-07-2019	31-07-2019	15	Seminar	Class test
2	UNIT III: Linking in HTML	01-08-2019	31-08-2019	16	Practice Programs	Class test
3	UNIT III: Tables in HTML	03-09-2019	30-09-2019	12	Seminar	Class test
4	UNIT IV: Forms in HTML	01-10-2019	24-10-2019	10	Programs discussion	Class test

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Teaching Plan Academic Year 2019-2020

Name of Teacher: P. G. Joshi

Class: B.C. A. F.Y. **Semester:** II (DIV A+B)

Course Title: Data Structure   **Course Code: U-DAS-282**

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	1. Introduction to Data structure and Arrays 1.1. Definitions –Data types, Data Object, Data structure. 1.2. Implementations of Data structure. 1.3. Types of Data Structure 1.4. Array-definition. 1.5. Types-one, multi dimensional, character string array 2. Algorithm analysis 2.1. Algorithm – definition, characteristics 10 2.2. Space complexity, time complexity	16-12-19 to 14-1-20	20
Unit II	3. Stack 3.1. Definition of stack. 3.2. Operation on stack. 3.3. Declaration of stack. 4. Queue 4.1. Definition of queue. 4.2. Operations on queue. 4.3. Types of queue-Linear, Circular. 4.4. Applications of queues	16-1-20 to 29-1-20	10
Unit III	5. Linked List 5.1. Concept of linked list 5.2. Implementation of Linked list 5.3. Operations on linear linked list, on circular linked list, doubly linked list 6. INTRODUCTION TO TREES 6.1. Binary Trees 6.2. Expression Trees (Infix, Prefix, Postfix Traversals) 6.3. General Trees 6.4. Search Trees 6.5. Binary Search Trees	30-1-20 to 26-2-20	17
Unit IV	7. Searching & Sorting 7.1. Searching : linear and binary 7.2. Sorting : bubble sort, selection sort, insertion sort, 8. Graph 8.1. Concept & terminologies 8.2. Graph Representation 8.3. Traversals – BFS & DFS	7-3-20 to 29-3-20	15

Course Teacher
Prof. P. G. Joshi

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