



Shiv Chhatrapati Shikshan Sanstha's

## Rajarshi Shahu Mahavidyalaya, (Autonomous), Latur

### Department of Computer Science

#### Teaching Plan (Semester-I/III/V)

(June -2023 to October-2023)

Name of the Teacher: Mr. Arun S Shinde

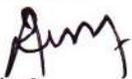
#### 1. Details of Classes to be taught

Sr. No.	Class	Subject	Course code and title	Total Lectures
1	B Sc TY	Computer Science	Relational Database Management System – IX U-COS-541	45

#### 2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	UNIT I: Introduction to Database and Elements of DBMS	10	26 Jun 2023 To 18 Jul 2023	Presentation On Database Certification	--
2	UNIT II: Data Models and Relational Algebra and Calculus	13	19 Jul 2023 To 21 Aug 2023	Assignment to Create an ER Diagram	Activity Based Unit Test-I
3	UNIT III: Relational Database Design and SQL	12	22 Aug 2023 To 18 Sept 2023	--	--
4	UNIT IV: Use of Operators and Advance in SQL	10	19 Sept 2023 To 11 Oct 2023	--	Unit Test II

Date: 26 Jun 2023

  
Arun S Shinde

Name of the Teacher  
and Signature

  
Head of Department  
Head  
Dept. of Computer Science  
Rajarshi Shahu Mahavidyalaya, Latur

  
Principal  
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Sr. No.	Class	Subject	Course code and title	Total Lectures
1	M SC CS SY	Computer Science	Linux Administration P-LIA-329	60

**2. Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	UNIT I Introduction to Linux and Linux Files and Directories	15	26 Jun 2023 To 20 Jul 2023	Seminar on Linux Flavors	--
2	UNIT II Managing Users and File system	15	21 Jul 2023 To 17 Aug 2023	--	Activity Based Unit Test-I
3	UNIT III Backing Up, Recovery and Printing with Linux	15	18 Aug 2023 To 12 Sept 2023	Seminar 14 Sept 2023 To 15 Sept 2023	--
4	UNIT IV Network Connectivity and Managing DNS	15	14 Sept 2023 To 10 Oct 2023	Seminar 12 Oct 2023 To 13 Oct 2023	Unit Test II

**Date:** 26 Jun 2023

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**(July -2023 to November-2023)**

Name of the Teacher: Mr. Arun S Shinde

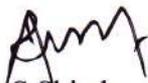
**1. Details of Classes to be taught**

Sr. No.	Class	Subject	Course code and title	Total Lectures
1	B. Sc. FY	Computer Science	Basics of Computer System 101COS1101	45

**2. Summary of Lesson Plan**

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	UNIT I: Introduction to Computers and Data Representation	12	10 Jul 2023 To 02 Aug 2023	Computer Generation Presentation	--
2	UNIT II: Input / Output Devices and Memory	10	07 Aug 2023 To 04 Sept 2023	All Hardware Components of PC- Display	Activity Based Unit Test-I
3	UNIT III: Computer Software and Introduction to OOPs	13	05 Sept 2023 To 16 Oct 2023	Presentation on Types of Software Development Techniques (POP, OOP) With Practical	--
4	UNIT IV: Computer Networks and Introduction to Internet	10	17 Oct 2023 To 08 Nov 2023	Presentation On Different Networking Devices	Unit Test II

Date: 10 Jul 2023

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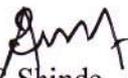
**1. Details of Classes to be taught**

Sr. No.	Class	Subject	Course code and title	Total Lectures
1	B. Voc. CT FY	Computer Technology	Introduction to IT U-IIT-208	60

**2. Summary of Lesson Plan**

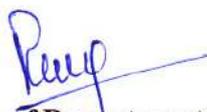
Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit 1: Introduction to Computers	15	10 Jul 2023 To 04 Aug 2023	Computer Generation Presentation	--
2	Unit II: Basic Computer Organization	15	05 Aug 2023 To 31 Aug 2023	All Hardware Components of PC- Display	Activity Based Unit Test-I
3	Unit III Storage Fundamentals	15	01 Sept 2023 To 07 Oct 2023	Presentation on Types of Software Development Techniques (POP, OOP) With Practical	--
4	Unit IV Computer Arithmetic and Basics of Internet	15	11 Oct 2023 To 04 Nov 2023	Presentation On Different Networking Devices	Unit Test II

**Date: 10 Jul 2023**

  
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(Dec -2023 to Mar-2024)

Name of the Teacher: Mr. Arun S Shinde

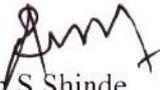
1. Details of Classes to be taught

Sr. No.	Class	Subject	Course code and title	Total Lectures
1	B Sc TY VI Sem	Computer Science	Introduction to Python Programming –XII U-COS-642	45

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit I: Getting Started	15	07 Dec 2023 To 06 Jan 2024	Seminar on International Certification in Python	--
2	Unit II: Sequence: String, List, Tuples and Error, exceptions	8	12 Jan 2024 To 08 Feb 2024	Seminar on Use of Python on Data Science	Activity Based Unit Test-I
3	Unit III: Functions, Class and OOPs	13	09 Feb 2024 To 15 Mar 2024	Seminar on use of Python in IoT	--
4	Unit IV: Graphical Interfaces	6	16 Mar 2024 To 29 Mar 2024	Guest Lecture on ML & DL in line with Python	Unit Test II

Date: 06 Dec 2023

  
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1. Details of Classes to be taught

Sr. No.	Class	Subject	Course code and title	Total Lectures
1	B. Sc. FY II Sem	Computer Science	Introduction to Python Programming 101COS2105	45

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	UNIT I: Getting Started	11	07 Dec 2023 To 29 Dec 2023	Seminar on International Certification in Python	--
2	UNIT II: Sequence: String, List, Tuples and Error, exception	12	30 Dec 2024 To 27 Jan 2024	Seminar on Use of Python on Data Science	Activity Based Unit Test-I
3	UNIT III: Functions, Class and OOPs	12	08 Feb 2024 To 02 Mar 2024		--
4	UNIT IV: Graphical Interfaces	10	29 Feb 2024 To 02 Apr 2024		Unit Test II

Date: 06 Dec 2023

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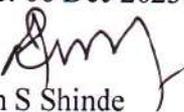
1. Details of Classes to be taught

Sr. No.	Class	Subject	Course code and title	Total Lectures
1	M SC CS FY II Sem	Computer Science	Advanced DBMS	45

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit I: Relational Databases	10	11 Dec 2023 To 01 Jan 2024	Seminar on International Certification in Database	--
2	Unit II: Query Processing and Optimization	10	03 Jan 2024 To 24 Jan 2024	Seminar on Use of SQL for Data Science	Activity Based Unit Test-I
3	Unit III: Transaction Management and Concurrency Control	15	29 Jan 2024 To 28 Feb 2024		--
4	Unit IV: System Architecture	10	04 Mar 2024 To 02 Apr 2024		Unit Test II

Date: 06 Dec 2023

  
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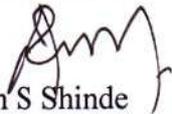
#### 1. Details of Classes to be taught

Sr. No.	Class	Subject	Course code and title	Total Lectures
1	M SC CS FY II Sem	Computer Science	Internet of Things	45

#### 2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Introduction Internet of Things	10	12 Dec 2023 To 02 Jan 2024	Seminar on Need of Python in IoT	--
2	Domain Specific IoTs and IoT vs M2M	15	05 Jan 2024 To 13 Feb 2024	Demonstration of Raspberry Kit	Activity Based Unit Test-I
3	IoT Design Methodology	10	16 Feb 2024 To 15 Mar 2024		--
4	Developing IoT Solutions.	10	16 Mar 2024 To 06 Apr 2024	Demonstration on Various Electronics Components for IoT	Unit Test II

Date 06 Dec 2023

  
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