



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Department of Computer Science

Teaching Plan (Semester-I/III/V)

(June -2024 to October-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. 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	11/07/2024 To 03/08/2024	Presentation Computer Generation	--
2	Unit II: Input / Output Devices and Memory	10	16/08/2024 To 06/09/2024	--	Activity Based Unit Test-I
3	Unit III: Computer Software and Introduction to OOPs	13	12/09/2024 To 18/10/2024 Extra Lecture on Sunday 13/10/2024	Seminar on Types of Software Development Techniques (POP, OOP) With Practical	--
4	Unit IV: Computer Networks and Introduction to Internet	10	19/10/2024 To 26/10/2024 Extra Lecture on Sunday 20 & 27 Oct 2024	Open Book Quiz	Unit Test II

Date: 20 Jul 2024

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	B. Sc. TY	Computer Science	Relational Database Management System – IX U-COS-559	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	04/07/2024 To 25/07/2024	Power Point Presentation on International Database Certifications	--
2	Unit II: Data Models and Relational Algebra and Calculus	13	26/07/2024 To 24/08/2024	Assignment to Draw an ER Diagram	Activity Based Unit Test-I
3	Unit III: Relational Database Design and SQL	12	29/08/2024 To 21/09/2024	--	--
4	Unit IV: Use of Operators and Advance in SQL	10	03/10/2024 To 26/10/2024	--	Unit Test II

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(July -2024 to October-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	M. Sc. CS SY	Computer Science	IoT and Cloud Integration	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 to IoT and Cloud Integration	09	04/0/2024 To 20/07/2024	--	--
2	Cloud Services for IoT & Data management	11	25/07/2024 To 24/08/2024	Hands-on various IoT devices, sensors, and communication protocols.	Activity Based Unit Test-I
3	Security and Privacy in IoT and Cloud	11	29/08/2024 To 21/09/2024	Hands-on lab sessions to set up IoT devices	--
4	Edge Computing, Hybrid Architectures and Case Studies	14	03/10/2024 To 26/10/2024 Extra Lecture on Sunday 20, 27 Oct 2024.	--	Unit Test II

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(June -2024 to October-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	M. Sc. CS SY	Computer Science	Machine Learning	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	Foundations of Machine Learning: From Theory to Practice	12	01/07/2024 To 29/07/2024	--	--
2	Practical Machine Learning: From Classification to Regression Models	12	30/07/2024 To 26/08/2024	Case Studies on successful Machine Learning Applications	Activity Based Unit Test-I
3	Advanced Machine Learning Techniques: From Training Models to Ensemble Learning	12	27/08/2024 To 08/10/2024	Machine Learning Competitions: Kaggle	--
4	Neural Networks and Deep Learning	09	09/10/2024 To 23/10/2024 Extra Lecture on Sunday 06,13 Oct 2024	--	Unit Test II

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Timetable Duration : December 2024 to March 2025

Name of the Teacher : **Arun Shinde**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
M Sc CS SY	A	Pattern Recognition	602COS4101	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit I Foundations of Pattern Recognition	10	09/12/2024 To 27/12/2024	Pattern Recognition Case Study	CAT I
Unit II Supervised Learning for Pattern Recognition	12	28/12/2024 To 24/01/2025	Pattern Recognition Project	CAT II
Unit III Unsupervised and Semi-Supervised Pattern Recognition	10	25/01/2025 To 15/02/2025	Practical Demo of Classifier Comparison and Evaluation	Mid Term
Unit IV Advanced Topics and Applications	13	20/02/2025 To 29/03/2025	Case Study Presentation on real-world pattern recognition applications.	Surprise Test

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Timetable Duration : December 2024 to March 2025

Name of the Teacher : **Arun Shinde**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
M Sc CS FY	A	Internet of Things	601COS2201	45

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit I Introduction Internet of Things	10	09/12/2024 To 30/12/2024	Discussion on IoT Architecture	CAT I
Unit II Domain Specific IoTs and IOT vs M2M	15	31/12/2024 To 04/02/2025	IoT Protocol Analysis	CAT II
Unit III IoT Design Methodology	10	05/02/2025 To 26/02/2025	IoT Network Configuration	Mid Term
Unit IV Developing IoT Solutions	10	03/03/2025 To 26/03/2025	IoT Data Visualization	Surprise Test

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Timetable Duration : December 2024 to March 2025


Name of the Teacher : **Arun Shinde**

Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B Voc CT TY	A	Introduction to Digital Marketing	U-IDM-762	60

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit -I Introduction to Digital Marketing	15	09/12/2024 To 06/01/2025	Digital Marketing Strategy Presentation	Surprise Test
Unit II Website Introduction & Creation	15	07/01/2025 To 03/02/2025	Social Media Marketing Campaign	Activity Based Unit Test I (Assignment)
Unit III Search Engine Optimization	15	04/02/2025 To 27/02/2025	Digital Marketing Case Study	Unit Test II
Unit IV Social Media Marketing	15	03/03/2025 To 27/03/2025	Group Discussions on digital marketing ethics	Open Book Quiz


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Details of Classes to be taught

Class	Division	Course Title	Course Code	Total Teaching Hrs
B Voc SY	A	Basics of Networking	U-BNT-525	60

Summary of Lesson Plan

Unit and Chapter to be Covered	Expected No. of Lectures	Date	Academic activities to be Organized	No. of Test / Assignment
Unit I Introduction to Communication and Networks	20	09/12/2024 To 09/01/2025	Network Protocol Analysis	Networking Fundamentals Quiz
Unit II Communication Mediums and Network devices	10	13/01/2025 To 29/01/2025	Network Security : To research and present on network security topics.	Activity Based Unit Test I
Unit III Physical and Data Link Layer	10	30/01/2025 To 13/02/2025	Discussion on encryption, authentication, or access control.	Unit Test II
Unit IV Network, Transport and Application layer	20	17/02/2025 To 27/03/2025	Network Troubleshooting	Surprise Test


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