Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Computer Science
Teaching Plan (Semester-I)
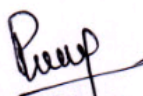**Academic Year:2025-26**

1. Details of Classes to be taught

Class	Name of Asst.Prof.	Subject	Paper	Total Lecturers:
M.Sc.(CS) FY Sem- I	Mahesh.S.Katambe	Computer Science	Mobile Application Development 601COS1201	45 (3 Credits)

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: Learning & Diving into Kotlin	11	15.07.25 To 06.08.25	PPT presentation on Types of Variables	Assignment
2	Unit II: Object Orientation in Kotlin & Interoperability with JAVA	11	11.08.25 To 03.09.25	PPT Presentation on Inheritance and It's Type	Unit Test I
3	Unit III: Android App Development with Kotlin: Kudoo App, Nutrilicious	13	08.09.25 To 30.09.25	Seminar on App development	--
4	Unit IV :Kotlin DSLs and Migrating to Kotlin	10	01.10.25 To 10.10.25 (4 Extra Lectures)	Class Test	Class Test Unit Test II

Date: 15.07.2025

Ms. Mahesh.S.Katambe
Name and Signature
of Teacher

HoD
Head

Principal
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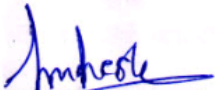### Teaching Plan (Semester- V)
Academic Year:2025-26

1. Details of Classes to be taught

Class	Name of Asst. Prof.	Subject	Paper	Total Lecturers:
B.Voc. (CT) TY Sem V	Mahesh.S.Katambe	Computer Technology	Kotlin Programming U-KPR-662	60 (4 Credits)

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 Kotlin	15	23.06.2025 To 16.07.2025	PPT Presentation for Basic Concepts of Programming	Assignment
2	Unit II Classes and Objects	15	17.07.25 To 20.08.25	Program Assignments on basic Kotlin Program	Unit Test I
3	Unit III Exception Handling and Null Safety	15	21.07.25 To 22.09.25	Program Assignments on using null safety Operators	--
4	Unit IV Kotlin for Android	15	23.09.25 To 09.10.25	PPT Presentation on Android OS	Class Test Unit Test II

Date: 15.07.2025

Mr.Mahesh.S.Katambe
**Name and Signature
of Teacher**

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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Computer Science
Teaching Plan (Semester-III)
Academic Year:2025-26

1.Details of Classes to be taught

Class	Name of Asst. Prof.	Subject	Paper	Total Lecturers:
B.Sc.(CS)SY Sem III	Mahesh.S.Katambe	Computer Science	Java Programming 201COS3102	45 (3 Credits)

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 Java	12	23.06.25 To 16.07.25	PPT Presentation on Features of Java	Assignment
2	Unit II: Control Structures and Object Oriented Programming Concepts	12	21.07.25 To 25.08.25	Program Assignments on control and looping statements	--
3	Unit III: Control Structures and Object Oriented Programming Concepts	11	26.08.25 To 23.09.25	Open book test	Class Test Unit Test II
4	Unit IV: Exception Handling and GUI	10	24.09.25 To 08.10.25	Class test on All Unit	--

Date: 15.07.2024

Mr.Mahesh.S.Katambe
Name and Signature of Teacher

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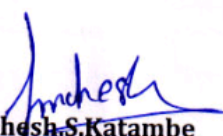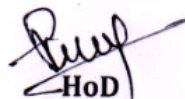### Teaching Plan (Semester-IV)
Academic Year(December 2025-March 2026)

Name of the Teacher: Mahesh. S. Katambe

1.Details of Classes to be taught

Sr.No	Class	Course Title	Course Type	Course Code	Course Credits	Total Lecturers
1	B.Sc. SY	Relational Database Management System	DSC-VIII	201COS4102	3	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	04.12.25 To 27.12.25	Writing Competition on DBMS Vs RDBMS	CAT-I
2	Unit II: Data Models and Relational Algebra and Calculus.	14	01.01.26 To 30.01.26	Program Assignments on E-R diagram	CAT-II
3	Unit III: Relational Database Design and SQL.	11	31.01.26 To 27.02.26	Open book test	Class Test /Unit Test II
4	Unit IV: Use of Operators and Advance in SQL	10	28.02.26 To 31.03.26	Class test on All Unit	CAT-III

Date: 18.11.25

Mr. Mahesh. S. Katambe
**Name and Signature
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Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Computer Science
Teaching Plan (Semester-VI)
Academic Year(December 2025-March 2026)

Name of the Teacher: Mahesh. S. Katambe

1. Details of Classes to be taught

Sr.No	Class	Course Title	Course Type	Course Code	Course Credits	Total Lecturers
1	B.Sc .TY	Data Base Administration	DSC-XI	301COS6101	3	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: Indian Mathematics - Foundations and Contributions	12	01.12.25 To 24.12.25	Install, configure, and manage DBMS	CAT-I
2	Unit II: Installation, Configuration, and Maintenance	12	29.12.25 To 26.01.26	Perform backup, recovery, and security administration	CAT-II
3	Unit III: Advanced Database Management	10	27.01.26 To 17.02.26	Seminar	CAT-III
4	Unit IV: Emerging Trends and Case Studies	11	18.02.26 To 30.02.26	Class Test	—

Date: 18.11.2025

Mr. Mahesh. S. Katambe
**Name and Signature
of Teacher**

HoD

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Rajarshi Shahu Mahavidyalaya, Latur

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(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Computer Science
Teaching Plan (Semester- VI)
Academic Year(December 2025-March 2026)

Name of the Teacher: Mahesh. S. Katambe

1. Details of Classes to be taught

Sr.No	Class	Course Title	Course Type	Course Code	Course Credits	Total Lecturers
1	B.Voc. (CT) TY	Mobile Application Development Using Kotlin	Skill Component	U-ADK-763	4	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 Kotlin OOPs.	15	01.12.25 To 24.12.25	Differences between Java & Kotlin	CAT-I
2	Unit II Android Startup and Kotlin Android.	15	25.12.25 To 20.01.26	Program Assignments on basic Kotlin Program	CAT-II
3	Unit III Basic Controls and Layouts.	15	21.01.26 To 16.02.26	Program on null safety Operators	CAT-III
4	Unit IV Menus and Other Controls.	15	17.02.26 To 31.03.26	Demonstration of Android Studio	--

Date: 18.11.2025

Mr. Mahesh. S. Katambe
Name and Signature
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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Computer Science
Teaching Plan (Semester-II)
Academic Year(December 2025-March 2026)

Name of the Teacher: Mahesh. S. Katambe

1. Details of Classes to be taught

Sr.No	Class	Course Title	Course Type	Course Code	Course Credits	Total Lecturers
1	M.Sc (CS) FY	Advanced DBMS	MMC-IV	601COS2101	3	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	08	04.12.25 To 27.12.25	Perform backup, recovery, and security administration	CAT-I
2	Unit II: Query Processing and Optimization	14	01.01.26 To 30.01.26	Seminar	CAT-II
3	Unit III: Transaction Management and Concurrency Control	11	31.01.26 To 27.02.26	Open book test	CAT-III
4	Unit IV : System Architecture	10	28.02.26 To 31.03.26	Class test on All Unit	—

Date: 18.11.2025

Name and Signature of Teacher
Mr. Mahesh. S. Katambe

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