



Shiv chhatrapati Shikshan Sanstha'
Rajarshi Shahu Mahavidyalaya, Latur
(Empowered Autonomous Institution)



Department of Computer Science
Teaching Plan AY 2026-27
(July 2026 - October 2026)

Name of the Teacher: Ms. Latoriya Pooja S.

1. Details of Classes to be taught

Sr. No.	Class	Course Title	Course Type	Course Code	Course Credits	Total Lectures
1	B.Sc. (DS) FY	Statistics for Data Science	GE	101DSC1401	04	60

2. Summary of Lesson Plan

Sr. No.	Unit & Chapter to be Covered	Expected No. of Lectures	Date	Academic Activities to be organized	No. of Tests/ Assignments with topic and date
1	Unit I: Descriptive Statistics and Data Types	15	08.07.2026 to 06.08.2026		CAT I Assignment
2	Unit II: Probability and Distributions	15	07.08.2026 to 03.09.2026	Frequency Distribution Table Preparation	CAT II (Activity based)
3	Unit III: Statistical Inference - Estimation and Hypothesis Testing	15	04.09.2026 to 03.10.2026 (Extra 2 Lects.)	Case Study on Data-Driven Decision Making	CAT III (MCQs based)
4	Unit IV: Correlation, Regression and Introduction to Statistical Software	15	07.10.2026 to 17.10.2026 (Extra 2 Lects.)	Correlation Analysis using Student Dataset	

Date: 01.07.2026

Name & Signature
of Teacher

Ms. Latoriya Pooja S.

Pooja S.
HoD

Head
Dept. of Computer Science
Rajarshi Shahu Mahavidyalaya, Latur

Pooja S.
Principal
PRINCIPAL

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Sr. No.	Class	Course Title	Course Type	Course Code	Course Credits	Total Lectures
1	B.Sc. (DS) FY	Matrices and Calculus	DSC	101DSC1102	03	45

2. Summary of Lesson Plan

Sr. No.	Unit & Chapter to be Covered	Expected No. of Lectures	Date	Academic Activities to be organized	No. of Tests/ Assignments with topic and date
1	Unit I: Matrix Fundamentals for Data Modeling	10	09.07.2026 to 30.07.2026	Matrix Operations Practice Activity	CAT I Assignment
2	Unit II: Linear Algebra in Data Science	12	03.08.2026 to 27.08.2026		CAT II Assignment
3	Unit III: Differential Calculus for Optimization	13	31.08.2026 to 28.09.2026	Group Problem-Solving on Matrix Applications	CAT III Mid Term MCQs Test
4	Unit IV: Integral and Multivariable Calculus in Data Analysis	10	01.10.2026 to 19.10.2026		

Date: 08.07.2026


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Sr. No.	Class	Course Title	Course Type	Course Code	Course Credits	Total Lectures
1	B.Sc. (DS) SY	Mathematical Foundations for Machine Learning	DSC	201DSC3105	03	45

2. Summary of Lesson Plan

Sr. No.	Unit & Chapter to be Covered	Expected No. of Lectures	Date	Academic Activities to be organized	No. of Tests/ Assignments with topic and date
1	Unit I: Algebra for Machine Learning Models	12	19.06.2026 to 16.07.2026	Python-Based Mathematical Computation	CAT I Assignment
2	Unit II: Calculus for Optimization in Machine Learning	10	17.07.2026 to 08.08.2026		CAT II Assignment
3	Unit III: Probability and Statistics for Machine Learning	13	13.08.2026 to 19.09.2026	Bayes' Theorem Problem-Solving	CAT III Mid Term MCQs Test
4	Unit IV: Optimization, Numerical Methods and Mathematics	10	01.10.2026 to 17.10.2026	Optimization using Derivatives Activity	

Date: 19.06.2026


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1. Details of Classes to be taught

Sr. No.	Class	Course Title	Course Type	Course Code	Course Credits	Total Lectures
1	M.Sc. (CS) SY	Digital Image Processing	DSC	602COS3101	03	45

2. Summary of Lesson Plan

Sr. No.	Unit & Chapter to be Covered	Expected No. of Lectures	Date	Academic Activities to be organized	No. of Tests/ Assignments with topic and date
1	Unit I: Introduction to Image Processing and M Function Programming	10	19.06.2026 to 10.07.2026	Image Acquisition and Visualization Activity	CAT I Assignment
2	Unit II: Intensity Transformation and Filtering	12	11.07.2026 to 08.08.2026	Geometric Transformation Activity	CAT II Assignment
3	Unit III: Image Restoration and Color Image Processing	10	13.08.2026 to 11.09.2026		Mid Term MCQs Test
4	Unit IV: Morphological Image Processing and Image Segmentation	13	12.09.2026 to 17.10.2026	Feature Detection and Extraction Activity	

Date: 19.06.2026


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