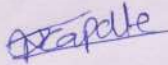


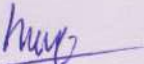


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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Structured Work Plan for Teaching
(Dec 2023 to March-2024)

Sr. No.	Class	Name of the Teacher	Subject	Paper
1	M.Sc. I	Mr. N. D. Kapale	Mathematics	Partial Differential Equation

Sr. No.	Unit	Unit to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test/ Assignment with topic and date
1	UNIT - I	Introduction to PDE	08/12/2023 - 30/12/2023	15	Homework Problem	
2	UNIT - II	Second order PDE	05/01/2024 - 02/02/2024	15		CAT I
3	UNIT - III	Some special problems in PDE	03/02/2024 - 01/03/2024	15	Group Discussion	
3	UNIT - III	Families of Surfaces and inversion theorem	02/03/2024 - 29/03/2024	15		CAT II


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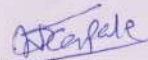

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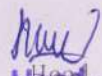


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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Structured Work Plan for Teaching
(Dec 2023 to March-2024)

Sr. No.	Class	Name of the Teacher	Subject	Paper
1	M.Sc. II	Mr. N. D. Kapale	Mathematics	Coding Theory II

Sr. No.	Unit	Unit to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test/ Assignment with topic and date
1	UNIT - I	Bounds In coding theory	06/12/2023 - 01/01/2024	15	Homework Problem	
2	UNIT - II	Linear codes	02/01/2024 - 29/01/2024	10		Assignment on Unit I and Unit II
3	UNIT - III	Cyclic codes	30/01/2024 - 22/02/2024	15	Seminar	
3	UNIT - III	Some special cyclic codes	26/02/2024 - 28/03/2024	20		Assignment on Unit III and Unit IV


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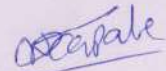

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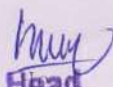


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Sr. No.	Class	Name of the Teacher	Subject	Paper
1	B.Sc. I	Mr. N. D. Kapale	Mathematics	Integral Calculus

Sr. No.	Unit	Unit to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test/ Assignment with topic and date
1	UNIT - I	Integral as a limit of sum	07/12/2023 - 30/12/2023	12		
2	UNIT - II	Beta and Gamma functions	04/01/2024 - 03/02/2024	11	Homework problem	CAT I
3	UNIT - III	Multiple Integrals	08/02/2024 - 02/03/2024	11		
4	UNIT - IV	Applications of Multiple Integrals	07/03/2024 - 28/03/2024	11	Homework problem	CAT II


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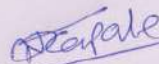

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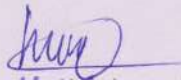


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Sr. No.	Class	Name of the Teacher	Subject	Paper
1	M.Sc. I	Mr. N. D. Kapale	Mathematics	Linear Algebra

Sr. No.	Unit	Unit to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test/ Assignment with topic and date
1	UNIT - I	Introduction to Vector Spaces	06/12/2023 - 01/01/2024	15	Homework problem	
2	UNIT - II	Linear Transformations	02/01/2024 - 29/01/2024	15		CAT I
3	UNIT - III	Matrix Operation and System of Linear Equations	30/01/2024 - 22/02/2024	15	Group Discussion	
4	UNIT-IV	Inner Products and Norms	26/02/2024 - 28/03/2024	15		CAT II


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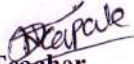

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Sr. No.	Class	Name of the Teacher	Subject	Paper
1	B.Sc.III	Mr. N. D. Kapale	Mathematics	Linear Algebra

Sr. No.	Unit	Unit to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test/ Assignment with topic and date
1	UNIT - I	Vector Space	26-06-2023 to 31-07-2023	15	Homework problem	
2	UNIT - II	Inner Product Space	01-08-2023 to 15-09-2023	15		Assignment on Unit I and Unit II
3	UNIT - III	Linear Transformation	16-09-2023 to 14-10-2023	15	Group Discussion	Assignment on Unit III


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I/c Head
Dr. N. S. Pimple
Head,
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Structured Work Plan for Teaching
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Sr. No.	Class	Name of the Teacher	Subject	Paper
1	M.Sc. I	Mr. N. D. Kapale	Mathematics	Ordinary Differential Equation

Sr. No.	Unit	Unit to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test/ Assignment with topic and date
1	UNIT - I	First Order ODE	10-07-2023 to 05-08-2023	10	Homework Problem	
2	UNIT - II	Higher order ODE	07-08-2023 to 16-09-2023	20		Assignment on Unit I and Unit II
3	UNIT - III	Wronskian and linear dependence	18-09-2023 to 02-10-2023	15	Group Discussion	
3	UNIT - III	Existence and uniqueness of solutions	03-10-2023 to 04-11-2023	15		Assignment on Unit III and Unit IV

N. D. Kapale
Teacher

N. D. Kapale
H. Head
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Structured Work Plan for Teaching
(June to Oct-2023)

Sr. No.	Class	Name of the Teacher	Subject	Paper
1	M.Sc.II	Mr. N. D. Kapale	Mathematics	Coding Theory-I

Sr. No.	Unit	Unit to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test/ Assignment with topic and date
1	UNIT – I	Error detection, correction and decoding	26-06-2023 to 25-07-2023	13	Homework Problem	
2	UNIT – II	Finite Fields	26-07-2023 to 28-08-2023	16		Assignment on Unit I and Unit II
3	UNIT – III	Linear Codes	29-08-2023 to 25-09-2023	15	Seminar	
3	UNIT – III	The main coding theory problem	02-10-2023 to 14-10-2023	16		Assignment on Unit III and Unit IV


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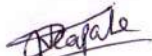

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Sr. No.	Class	Name of the Teacher	Subject	Paper
1	M.Sc.II	Mr. N. D. Kapale	Mathematics	Foundation of Analysis-I

Sr. No.	Unit	Unit to be covered	Date	No. of Lectures	Academic activities to be organized	No. of Test/ Assignment with topic and date
1	UNIT – I	Elementary Set Theory	10-07-2023 to 01-09-2023	30	Homework problem	Assignment of unit I
2	UNIT – II	Continuity and differentiability	02-09-2023 to 04-11-2023	30	Homework problem	Assignment of unit II


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