



Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

(Department of Physics and Electronics)

Structured work Plan for Teaching

Academic Year: 2025-26

Name of the Teacher: **Ms. Harshada S. Nalge**

1. Details of the classes to be taught:

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
B.Sc I Sem I	Heat and Thermodynamics	DSC	101PHY1102	03	45

2. Summary of the Lesson plan:

Unit and chapter to be Covered	Expected no of lectures	Date	Academic activities to be Organized	No of test/Assignment
Unit I-Transport phenomena in Gases	11	09/07/2025 To 26/07/2025	-	CAT-I
Unit II-Behaviour of Real Gases	11	30/07/2025 To 28/08/2025	-	CAT- II
Unit III- Thermodynamics	12	30/08/2025 To 20/09/2025	-	CAT- III
Unit IV- Thermodynamical Relations	11	24/09/2025 To 09/10/2025	-	SEE


Teacher


HoD
HEAD
Department of Physics & Electronics
Rajarshi Shahu Mahavidyalaya, Latur
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Principal
PRINCIPAL
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1. Details of the classes to be taught:

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
B.Sc III Sem V	Solar Energy	DSE	301PHY5201A	03	45

2. Summary of the Lesson plan:

Unit and chapter to be Covered	Expected no of lectures	Date	Academic activities to be Organized	No of test/Assignment with topic and date
Unit I- Solar Radiation	12	23/06/2025 To 09/07/2025	-	CAT-I
Unit II- solar Energy	11	14/07/2025 To 04/08/2025	Quiz competition	CAT-II
Unit III- Fundamentals of Solar Cells	11	05/08/2025 To 08/09/2025	-	CAT-III
Unit IV- Device Physics	11	09/09/2025 To 08/10/2025	-	SEE


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1. Details of the classes to be taught:

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
M.Sc I	Classical Mechanics- II	Major	601PHY1102	03	45

2. Summary of the Lesson plan:

Unit and chapter to be covered	Expected no of lectures	Date	Academic activities to be Organized	No of test/Assignment
Unit I- Central Force Problem	12	14/07/2025 To 02/08/2025	Bridge course	CAT-I
Unit II - Variational Principle and Hamiltonian Formulation	11	04/08/2025 To 30/08/2025	-	CAT-II
Unit III- Canonical Transformations and Hamilton- Jacobi Theory	11	06/09/2025 To 20/09/2025	-	CAT-III
Unit IV- Small Oscillations and Special Theory of Relativity	11	22/09/2025 To 10/10/2025	-	SEE


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Name of the Teacher: **Ms. Harshada S. Nalge**

1. Details of the classes to be taught:

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
B.Sc I Sem I	Energy sources	GE/OE	101PHY1401	04	60

2. Summary of the Lesson plan:

Unit and chapter to be Covered	Expected no of lectures	Date	Academic activities to be Organized	No of test/Assignment with topic and date
Unit I- Renewable Energy Sources	15	07/07/2025 To 30/07/2025	-	CAT-I
Unit II- Conventional Energy sources	15	31/07/2025 To 28/08/2025	-	CAT-II
Unit III- Solar Energy	15	02/09/2025 To 18/09/2025	-	CAT-III
Unit IV- Wind Energy	15	22/09/2025 To 09/10/2025	-	SEE

Harshada S. Nalge
Teacher

S. N. D.
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S. N. D.
Principal
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Structured Work Plan for Teaching
Academic Year 2025-26 (Even Semester)


Name of the Teacher: **Miss H. S. Nalge**

Class & Sem	Subject	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
B.A I Sem-II	Physics	Energy Sources	GE/OE	101PHY2401	04	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: Renewable Energy Sources	15	01/12/2025 To 24/12/2025	--	CAT I
Unit II: Conventional Energy Sources	15	25/12/2025 To 21/01/2026	Class Test	CAT II
Unit III: Solar Energy	15	22/01/2026 To 18/02/2026		CAT III
Unit IV: Wind Energy	15	23/02/2026 To 25/03/2026	--	


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Academic Year 2025-26 (Even Semester)


Name of the Teacher: **Miss H. S. Nalge**

Details of Classes to be taught

Class & Sem	Subject	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
B.Sc I Sem-II	Physics	Electricity & Magnetism	DSC- III	101PHY2101	03	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: Electrostatics	11	01/12/2025 To 23/12/2025	--	CAT I
Unit II: Electromagnetic Induction	11	24/12/2025 To 20/01/2026	Class Test	CAT II
Unit III: Ballistic Galvanometer	12	21/01/2026 To 18/02/2026	ICT Based Teaching	CAT III
Unit IV: Magnetostatics	11	23/02/2026 To 23/03/2026	--	


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Name of the Teacher: **Miss H. S. Nalge**

Details of Classes to be taught

Class & Sem	Subject	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
M.Sc I Sem-II	PHY	Thermodynamics & Statistical Mechanics	Major- VI	601PHY2103	03	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: Statistical Mechanics & Thermodynamics	11	04/12/2025 To 27/12/2025	--	CAT I
Unit II: Statistical Ensemble Theory	11	01/01/2026 To 23/01/2026	Class Test	CAT II
Unit III: Formulation of Quantum Statistics	12	24/01/2026 To 21/02/2026	--	CAT III
Unit IV: Phase Transitions & Critical Phenomenon	11	26/02/2026 To 28/03/2026	Solving Previous Year SET/NET Questions	


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Name of the Teacher: **Miss H. S. Nalge**


Details of Classes to be taught

Class & Sem	Subject	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
M.Sc II Sem-IV	Physics	Photonic Devices & Sensors	Major-XII	601PHY4103	03	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: Light Beam as Sensing Tool	11	04/12/2025 To 27/12/2025	--	CAT I
Unit II: Optical Fibre Sensors	11	01/01/2026 To 23/01/2026	Class Test	CAT II
Unit III: Liquid Crystal Displays	12	24/01/2026 To 21/02/2026	Solving Previous Year SET/NET Questions	CAT III
Unit IV: Plasma Display Panels	11	26/02/2026 To 28/03/2026	--	


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