



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. Vishakha B Patil**

1. Details of the classes to be taught:

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
BSc III	Quantum Mechanics	Major	301PHY5101	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: Origin of Quantum Mechanics	12	26/06/25 To 19/07/25	Career Guidance	CAT-I
Unit II: Schrodinger's Wave Equations & Operators	10	24/07/25 To 21/08/25	--	CAT-II
Unit III: Applications of Schrodinger's Steady State Equations	11	23/08/25 To 19/09/25	Problem Solving	CAT-III
Unit IV: Quantum Theory of Hydrogen Atom	12	20/09/25 To 10/10/25	--	SEE


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Name of the Teacher: **Ms. Vishakha B Patil**


1. Details of the classes to be taught:

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
BSc III	Communication Electronics-I	DSE	301ELE5101A	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: Introduction to Communication Systems	11	23/06/25 To 14/07/25	Career Guidance	CAT-I
Unit II: Amplitude Modulation	12	15/07/25 To 19/08/25	--	CAT-II
Unit III: Frequency Modulation	11	20/08/25 To 22/09/25	Problem Solving	CAT-III
Unit IV: Pulse Modulation	11	23/09/25 To 08/10/25	--	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.
MSc I	Mathematical Methods in Physics-I	Major	601PHY1101	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: Matrix Algebra and Eigen Value Problems	11	15/07/25 To 12/08/25	Career Guidance	CAT-I
Unit II: Partial Differential Equations	12	06/08/25 To 04/09/25	--	CAT-II
Unit III: Calculus of Residues	11	09/09/25 To 24/09/25	Preparation of SET ,NET exam	CAT-III
Unit IV: Fourier Series	11	25/09/25 To 09/10/25	--	SEE


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Name of the Teacher: **Ms. Vishakha B Patil**


1. Details of the classes to be taught:

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
MSc II	Thin Film and Nanotechnology	MEC	601PHY3201A	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: Thin Film Deposition Techniques	11	23/06/25 To 14/07/25	Career Guidance	CAT-I
Unit II: Nucleation, Film Growth and Structure of Films	12	18/07/25 To 06/08/25	--	CAT-II
Unit III: Properties of Thin Films	11	25/08/25 To 19/09/25	ICT Based Teaching	CAT-III
Unit IV: Nanotechnology	11	20/09/25 To 10/10/25	--	SEE


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Structured work Plan for Teaching
Academic Year: 2025-26 (Even Semester)

Name of the Teacher: **Ms. Vishakha B Patil**

1. Details of the classes to be taught:

Class & Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
BSc I Sem-II	Basic Electronics	DSC-IV	101PHY2102	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: Electronic Components & Instruments	11	04/12/25 To 27/12/25	Career Guidance	CAT-I
Unit II: Semiconductor Devices	11	01/01/26 To 23/01/26	--	CAT-II
Unit III: Transistors	12	24/01/26 To 21/02/26	Problem Solving	CAT-III
Unit IV: Sinusoidal Oscillators	11	26/02/26 To 28/03/26	--	


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Structured work Plan for Teaching

Academic Year: 2025-26 (Even Semester)

Name of the Teacher: **Ms. Vishakha B Patil**

1. Details of the classes to be taught:

Class & Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
BSc III Sem-VI	Communication Electronics-II	DSE-II	301ELE6201	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: Radio Receivers	10	01/12/25 To 22/12/25	Career Guidance	CAT-I
Unit II: RADAR Systems	12	23/12/25 To 19/01/26	--	CAT-II
Unit III: Introduction to Optical Fibre	12	20/01/26 To 17/02/26	Problem Solving	CAT-III
Unit IV: Modern Communication Applications	11	18/02/26 To 30/03/26	--	


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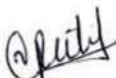
Name of the Teacher: **Ms. Vishakha B Patil**


1. Details of the classes to be taught:

Class & Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
MSc II Sem-IV	Laser System & its Applications	Major -XI	601PHY4102	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: Industrial Application of Laser	11	04/12/25 To 27/12/25	Career Guidance	CAT-I
Unit II: Laser in Chemistry & Medicine	12	01/01/26 To 24/01/26	--	CAT-II
Unit III: Holography & its Application	11	29/01/26 To 21/02/26	ICT Based Teaching	CAT-III
Unit IV: Other Application of Laser	11	26/02/26 To 28/03/26	--	


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