



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: **Mr. Harshad N Dalve**

Details of Classes to be taught

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
B.Sc.III sem v	Solid state physics	DSC	301PHY5102	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 1: crystal structure	12	23/06/2025 To 21/07/2025	-	CAT 1
Unit 2 : free electron theory of metals	10	22/07/2025 To 20/08/2025	-	CAT 2
Unit 3 : Band theory of solids	12	25/08/2025 To 10/09/2025	-	CAT 3
Unit 4 : Application of band theory	11	15/09/2025 To 08/10/2025	-	SEE


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Name of the Teacher: **Mr. Harshad N Dalve**


Details of Classes to be taught


Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
BSc III Electronics Sem V	Electronic Instrumentations	DSC	301ELE5102	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 1 : Qualities of measurement	10	26/06/2025 To 17/07/2025	-	CAT 1
Unit 2 : A/D and D/A converters and measurement of resistance	10	18/07/2025 To 08/08/2025	-	CAT 2
Unit 3 : Oscilloscopes and function generators	13	21/08/2025 To 13/09/2025	-	CAT 3
Unit 4 : Transducers and sensors	12	18/09/2025 To 10/10/2025	-	SEE


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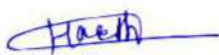
Name of the Teacher: **Mr. Harshad N Dalve**

Details of Classes to be taught


Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
M.Sc. II Sem III	Laser technology-IX	Major	601PHY3103	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 1 : Basic of laser	12	24/06/2025 To 17/07/2025	-	CAT 1
Unit 2 : Properties of laser and optical resonator	11	23/07/2025 To 20/08/2025	-	CAT 2
Unit 3 : Laser cavity modes	10	21/08/2025 To 10/09/2025	-	CAT 3
Unit 4 : Types of lasers	12	11/09/2025 To 09/10/2025	-	SEE


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Name of the Teacher: **Mr. Harshad N Dalve**

Details of Classes to be taught

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
B.Sc.I Phy Sem I	Domestic Electrical Wiring	VSC	101PHY1501	02	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 1 : Study and use of wiring Accessories	4	09/07/2025 To 17/07/2025	Introduction to wiring	CAT 1
Unit 2 : Testing of electrical installation	4	23/07/2025 To 31/07/2025	-	CAT 2
Unit 3 : To make Domestic wiring	3	06/08/2025 To 20/08/2025	Class Test	CAT 3
Unit 4 : Application of different types of switch connection	4	21/08/2025 To 04/09/2025	-	SEE
Practical's	30	10/09/2025 To 09/10/2025	-	


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Details of Classes to be taught

Class	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs
B.Sc. III Phy Sem I	Renewable Energy for Daily Life	VSC	301PHY5501	02	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 1 : Energy	7	27/06/2025 To 18/07/2025	-	CAT 1
Unit 2 : Renewable energy	8	19/07/2025 To 29/08/2025	-	CAT 2 , CAT 3
Unit 3 : Practical	30	30/08/2025 To 10/10/2025	-	SEE


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

Name of the Teacher: **Mr. Harshad N Dalve**

1. Details of the classes to be taught:

Class & Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
BSc II Sem-IV	Waves, Oscillation & Acoustics	DSC-VIII	201PHY4102	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: Free, Forced & Resonant Vibrations	09	04/12/25 To 25/12/25	Career Guidance	CAT-I
Unit II: Wave Motion	14	26/12/25 To 24/01/26	--	CAT-II
Unit III: Stationary Waves	10	29/01/26 To 20/02/26	Problem Solving	CAT-III
Unit IV: Acoustic & Ultrasonic	12	21/02/26 To 28/03/26	--	


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

Name of the Teacher: **Mr. Harshad N Dalve**

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	Digital Electronics	DSC-XI	301ELE6101	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: Combinational Circuits	13	04/12/25 To 01/01/26	Career Guidance	CAT-I
Unit II: Flip-Flops	<u>10</u>	03/01/26 To 24/01/26	--	CAT-II
Unit III: Digital Counters (Binary Counters)	15	29/01/26 To 21/02/26	Problem Solving	CAT-III
Unit IV: Shift Registers	07	26/02/26 To 28/03/26	--	


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Name of the Teacher: **Mr. Harshad N Dalve**

1. Details of the classes to be taught:

Class & Sem	Course Title	Course Type	Course Code	No. of Credits	Total Teaching Hrs.
MSc I Sem-II	Condensed Matter Physics	MMC-V	601PHY2102	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: Crystal Physics	11	01/12/25 To 23/12/25	Career Guidance	CAT-I
Unit II: Crystal Defects	11	24/12/25 To 20/01/26	--	CAT-II
Unit III: Semiconducting and Superconducting Properties	12	21/01/26 To 18/02/26	ICT Based Teaching	CAT-III
Unit IV: Magnetic Properties	11	23/02/26 To 30/03/26	--	


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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	Fibre Optics & its Applications	Major -X	601PHY4101	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: Ray Theory of Transmission	11	01/12/25 To 24/12/25	Career Guidance	CAT-I
Unit II: Fibre Fabrication Techniques & Fibre Losses	12	29/12/25 To 27/01/26	--	CAT-II
Unit III: Communication Systems & Modulation	11	28/01/26 To 24/02/26	ICT Based Teaching	CAT-III
Unit IV: Optical Fibre Communication & Measurements on Optical Fibres	11	25/02/26 To 31/03/26	--	


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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	Computational Physics	VSC -IV	301PHY6501	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 Fortran 90	07	05/12/25 To 27/12/25	Career Guidance	CAT-I
Unit II: Numerical Methods	08	02/01/26 To 24/01/26	--	CAT-II
Unit III: Practical	30	30/01/26 To 28/03/26	ICT Based Teaching	CAT-III


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