



**Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur**

(Autonomous)

**Faculty of Science & Technology
Department of Physics and Electronics
Teaching Plan (Semester-II)**

(December 2023 to March 2024)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lectures
1	B.Sc. I Sem. II	Dr Abhijit Yadav	Physics	101PHY2102 Introduction to Indian Astronomy	45 (3-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and 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: Ancient Indian Astronomy	11	11.12.2023 to 03.01.2024		
2	Unit II: Celestial Sphere	11	08.01.2024 to 02.02.2024		CAT-I (22.01.2024)
3	Unit III: Time in Indian Astronomy	12	03.02.2024 to 28.02.2024	Guest Lecture	
4	Unit IV: Calendars and Indian Pancanga	11	04.03.2024 to 27.03.2024		CAT-II (March 2024)

Date:05.12.2023

Dr Abhijit Yadav

HEAD

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Principal
PRINCIPAL

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**Faculty of Science & Technology
Department of Physics and Electronics
Teaching Plan (Semester-IV)**

(December 2023 to March 2024)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lectures
1	M.Sc. II Sem. IV	Dr Abhijit Yadav	Physics	P-IPE-422 Industrial Photonic Engineering-XVI	45 (3-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and 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: Photonics Technology	15	06.12.2023 to 29.12.2023		
2	Unit II: Modulation and Demodulation	15	02.01.2024 to 02.02.2024	Guest Lecture	Activity Based Test-I (23.01.2024)
3	Unit III: Control and Management	15	06.02.2024 to 29.02.2024		Students' will present their ideas through Power Point Presentation
4	Unit IV: Access Network	15	01.03.2024 to 27.03.2024		

Date:05.12.2023

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Teaching Plan (Semester-I)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	M.Sc. I Sem. I	Dr Abhijit Yadav	Physics	601PHY1103 Quantum Mechanics-III	45 (3-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit I: Introduction to Quantum Theory	11	16.08.2023 to 30.08.2023	Showing videos on basic quantum mechanical phenomena	--
2	Unit II: Simple potential problems	12	31.08.2023 to 15.09.2023	--	CAT-1
3	Unit III: Theory of Angular Momentum	11	18.09.2023 to 04.10.2023	--	--
4	Unit IV: Approximation Methods	11	05.10.2023 to 21.10.2023	--	CAT-2

Date:16.08.2023

Dr Abhijit Yadav


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**Faculty of Science & Technology
Department of Physics and Electronics
Teaching Plan (Semester-I)**

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lectures
1	B.Sc. I Sem. I	Dr Abhijit Yadav	Physics	101ELE1102 Semiconductor Devices and Instrumentation-II	45 (3-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit I: Semiconductor Diode	12	16.08.2023 to 31.08.2023	--	--
2	Unit II: Special Diodes	08	01.09.2023 to 16.09.2023	--	CAT-1
3	Unit III: Transistors	12	18.09.2023 to 06.10.2023	ICT based teaching	CAT-2
4	Unit IV: Field Effect Transistors	13	07.10.2023 to 27.10.2023	--	

Date:16.08.2023

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