

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-V)

(July 2021 to October 2021)

1. Details of Classes to be taught


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers
1	BSc. III Sem. V	Dr Abhijit Yadav	Electronics	U-ELE-554A Communication Electronics-I-XA	45 (2-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 Communication Systems	10	05.07.2021 to 02.08.2021	ICT teaching Microsoft Teams	--
2	Unit II: Amplitude Modulation	12	03.08.2021 to 31.08.2021	ICT teaching	Poster presentation
3	Unit III: Frequency Modulation	12	01.09.2021 to 28.09.2021	ICT teaching	Activity based Unit Test-I
4	Unit IV: Pulse Modulation	11	29.09.2021 to 27.10.2021	ICT teaching	Unit Test II (date will be communicated later)

Date: 05 July, 2021


Dr Abhijit Yadav


HEAD
Department of Physics & Electronics
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Teaching Plan (Semester-III)
(July 2021 to October 2021)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	MSc. II Sem III	Dr Abhijit Yadav	Physics	P-EPP-321 Electrodynamics and Plasma Physics-IX	60 (4-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: Electromagnetic Waves	17	05.07.2021 to 04.08.2021	ICT teaching Microsoft Teams	Online Quiz through Google form on 05.08.2021
2	Unit II: Time Dependent Potentials and Fields	13	05.08.2021 to 31.08.2021	ICT teaching	Activity based Unit Test-I Home Assignment
3	Unit III: Radiations and Radiation Reactions	15	01.09.2021 to 27.09.2021	ICT teaching and Career Guidance	Lecture on research of Nobel Prize winners
4	Unit IV: Plasma Physics	15	28.09.2021 to 26.10.2021	ICT based teaching	27.10.2021 Unit Test II (MCQ)

Date: 05 July, 2021


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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan (Odd Semester)
(September 2021 to January 2022)

1. Details of Classes to be taught

Sr No.	Class	Name of Teacher	Subject	Paper	Total Lecturers
1	M.Sc. I Sem. I	Dr Abhijit Yadav	Physics	P-ELD-122 Electronic Devices	60 (4-credits)

2. Summary of Lesson Plan

Unit and Chapter to be covered	Expected Lectures	Duration	Teaching Strategies	Evaluation Strategies	Suggested Learning Resources
Unit I: Special Diodes	15	01.10.2021 to 15.11.2021	Lecture cum Discussion and Demonstration (Use of ICT)		1. A Text Book of Applied Electronics – R.S. Sedha, S. Chand and Company Pvt. Ltd. Second editions Web Sources: 2. https://www.youtube.com/watch?v=P11paY2vACc 3. https://nptel.ac.in/courses/117/107/117107095/
Unit II: BJTs and FETs	15	19.11.2021 to 13.12.2021	Lecture cum Discussion and Demonstration (Use of ICT)		1. A Text Book of Applied Electronics – R.S. Sedha, S. Chand and Company Pvt. Ltd. Second editions Web Sources: 2. https://nptel.ac.in/courses/117/107/117107095/ 3. https://www.youtube.com/watch?v=ijNBnXhiy_w
Unit III: Operational Amplifiers	15	20.12.2021 to 31.12.2021	Lecture cum Discussion and Problem solving	Unit Test I : Home Assignment will be taken	1. Op-Amps and Linear integrated circuits: Ramakant A. Gayakwad, IVth edition PHI Publication Web Sources: 2. https://nptel.ac.in/courses/117/107/117107094/ 3. https://www.youtube.com/watch?v=clTA0pONnMs
Unit IV: D/A and A/D Converters	15	01.01.2022 to 15.01.2022	Lecture cum Discussion and Problem solving	Unit Test II : Students' will present their views/ ideas through Seminars	1. Digital Principles and Circuits- Dr. C. B. Agarwal, Himalaya Publishing House. Web Sources: 1. https://nptel.ac.in/courses/108/105/108105132/

Date:27.09.2021

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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan (Even Semester)
(December 2021 to April 2022)

1. Details of Classes to be taught


Sr No.	Class	Name of Teacher	Subject	Paper	Total Lecturers
1	M.Sc. II Sem. IV	Dr Abhijit Yadav	Physics	P-IPE-422 Industrial Photonic Engineering-XVI	60 (4-credits)

2. Summary of Lesson Plan

Unit and Chapter to be covered	Expected Lectures	Duration	Teaching Strategies	Evaluation Strategies	Suggested Learning Resources
Unit I: Photonics Technology	15	20.12.2021 to 12.01.2022	Lecture cum Discussion and Demonstration		1. Optical Networks - A Practical Perspective - R Ramaswami and K N Sivarajan – Marcourt Asia (2000) Web Sources: 2. https://nptel.ac.in/courses/108/106/108106167/
Unit II: Modulation and Demodulation	15	13.01.2022 to 10.02.2022	Lecture cum Discussion (Use of ICT)	Unit Test I : Class test/ Home Assignment will be taken	1. Optical Networks - A Practical Perspective - R Ramaswami and K N Sivarajan – Marcourt Asia (2000) 2. Photonic Switching Technology System and Networks- H T Mouftah, J M H Elmirghani – IEEE Press (1999) Web Sources: 3. https://nptel.ac.in/courses/108/106/108106167/ 4. https://nptel.ac.in/courses/117/101/117101002/
Unit III: Control and Management	15	14.02.2022 to 10.03.2022	Lecture cum Discussion		1. Optical Networks - A Practical Perspective - R Ramaswami and K N Sivarajan – Marcourt Asia (2000)
Unit IV: Access Network	15	14.03.2022 to 07.04.2022	Lecture cum Discussion (Use of ICT)	Unit Test II : Students' will present their ideas through Power Point Presentation	1. Optical Networks - A Practical Perspective - R Ramaswami and K N Sivarajan – Marcourt Asia (2000) Web Sources: https://www.youtube.com/watch?v=Y_9yBuJIQ3U

Date:17.12.2021


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Teaching Plan (Semester-IV)

(Feb 2022 to May 2022)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. II	Dr Abhijit Yadav	Physics	U-PHY-237 Basic Electronics-IV	45 (2-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: Electronic Components and Instruments	11	02.02.2022 to 28.02.2022		
2	Unit II: Semiconductor Devices	11	02.03.2022 to 28.03.2022		Activity based Unit Test-I (25.03.2022)
3	Unit III: Transistors	12	04.04.2022 to 27.04.2022	Guest Lecture	
4	Unit IV: Sinusoidal Oscillators	11	02.05.2022 to 24.05.2022		Unit Test II (MCQ) (02.05.2022)

Date:01.02.2022

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