

Audio Video Recording and Editing Technician

Class: B.Sc - III

DURATION: Six Months

Mr. S.R. Pol

Department of Electronics

1. Title: **Audio Video Recording and Editing Technician**
2. Year of implementation: 2020
3. Structure of Skill Development Course

Eligibility	Duration	Theory Hours	Practical Hours	Total Hours	Credits	No. of students in batch	NSQF Level
HSC Pass	6 Month	20	30	50	03	30	L5

4. Evaluation Structure:

Theory Marks			Practical Assessment			Project/Field Visit	Total
ISE	ESE	Total	Exam	Journal	Total	Submission+Viva Voice	100
10	30	40	30	10	40	20	

Syllabus

Theory Syllabus

Learning Objectives:

1. To Provide conceptual Knowledge of Audio Production and Studio operation
2. To Comprehension with Radio Transmission Technology

Unit I: Video Production and Studio Operations **.(10)**

Video Hardware, Studio Setup, Studio Equipment, Video Recording, Free and Open Source Video Editing Software's, Editing, Mixing and mastering.

Unit II: Audio Production and Studio Operations **(10)**

Audio Hardware and Field Recording, Studio Setup, Studio Equipment , Free and Open Source Software Audio recording, Sound Recording, Editing, Mixing and mastering, broadcasting.

Learning Outcomes:

At the end of this course, the students should be able to

1. Explain a working knowledge of Audio and Studio Operations
2. Understand the Radio Transmission Technology and principle of FM Transmitter

Reference books:

1. Audio Postproduction for Film and Video, Jay Rose, Taylor & Francis,2012.
2. Radio Telephony, Alfred Norton Goldsmith, Creative Media Partners, LLC,2018
3. Audio Production and Postproduction, Woody Woodhall, Jones & Bartlett Learning 2010
4. Software Radio A Modern Approach to Radio Engineering, By Jeffrey Hugh Reed, Prentice Hall, 2002.
5. Home Studio Setup, Ben Harris , Taylor & Francis 2012

Practical Syllabus

Objectives:

1. Learn an audio along with educating
2. Understand the basic elements that make up and shuffle the sounds.
3. Learn the basic and essential techniques to work with sound files.
4. Select appropriate media relative to concepts and forms of art.
5. Applying multi track mixing and editing in adobe.

List of Experiments: **Video Audio Recording and Editing Technician** (24) hr

1. Recording and Extracting Video
2. Recording and Extracting Audio
3. Editing and Creating Audio Sound Effects
4. Creating Various Types of Sound Output
5. Recording and Extracting Audio in Adobe audition
6. Editing Audio and video
7. Editing and Repairing Audio files in Adobe audition
8. Applying Effects in Adobe audition with Multi track mixing and editing in Adobe audition

Field Visits (06 hr)

Every student should give visit to field submit the report. The work will be assessed independently at the time of practical examination

Learning Outcomes:

After completion of the practical, Student are able to:

1. Appreciate the tasks required to organize and create commercial music
2. Demonstrate knowledge of the history of sound-recording technology
3. Recognize the impact of technological change on sound recording
4. Understand some of the decisions made by contemporary sound recordists,
Including the placement of microphones
5. Place in Technician in FM Transmitter and Receiver.

Reference books:

1. soundforgepro11_manual
2. soundbooth_cs5_help
3. Mascelli Joseph V, the five C's of Cinematography: Motion Pictures filming techniques, silman-James Press, 1998
4. Daniel Arijon, film technique, silman-James Press, 1991
5. David sonnensch, sound design: the expressive Power of Music, Voice and sound effects

BOS Sub Committee:

Mr. S.R. Pol Chairman

Dr. G. S. Nhivekar Member

Expert

Mr. Karamblekar Aditya,
Sound Engineer Member

Mr. Altaf Mulla
Cameraman Member