GOVERNMENT OF TAMILNADU

DIRECTORATE OF TECHNICAL EDUCATION, CHENNAI-25

STATE PROJECT COORDINATION UNIT

(Established under Canada India Institutional Cooperation Project)

CURRICULUM

Course Name	**AUDIO AND VIDEO EDITING**
Course Code	**EC/2020/023**
Course Duration	60 Hours
Minimum Eligibility Criteria	10/+2/ITI/Diploma/Graduates
Pre-requisites (if any)	-
Course Objectives	Training module has been designed for the participants to • Learn the concept and parameters of basic Video and Audio files. • Practice on Digital Audio recording. • Understand the Basics of Video and standards.
Course Outcomes	At the end of training, the trainees will be able to • Perform recording of Videos and Audios. • Perform editing of Video and Audio Files • Explain the videos standards and special effects.
Expected Job Roles	Audio and Video Editor

TEACHING AND SCHEME OF EXAMINATION						
Course Code	Course Name	Hours		Assessment Marks		Duration of Examination
				Min	Max	
EC/2020/023	AUDIO AND VIDEO EDITING	Theory	20	10	20	3 Hours
		Practical	40	40	80	
		Total	60	50	100	

EC/2020/023 -AUDIO AND VIDEO EDITING

DETAILED SYLLABUS

Unit No	Modules	No.of.Hours	
		Theory	Practical
I	**Audio Editing**	**10 Hours**	
1.1	Introduction to Audio and its digital representation	10	-
1.2	Digital Sampling , Sampling rate		
1.3	Digital Audio recording, Editing and Reproduction		
1.4	Editing , Mixing, Recording and restoring of audio		
1.5	Digital Music Making		
II	**Video Editing**	**10 Hours**	
2.1	Basics of Video and standards	10	-
2.2	Video Editing – Media Management Working in the audio Effects & transition Animation Titles		
2.3	Special Effects		
III	**Practical**	**40 Hours**	
3.1	Use any audio processing software to import the audio, edit the audio, and create the fade in and]fade out effects	-	40
3.2	With the use of any audio editing software, create label for audio segments, use noiseremoval filter, change stereo to mono tracks and export audio to different format andsave		
3.3	Use any audio recording software to record from PC speaker and apply filters, encoding and Compression schemes. Split the audio into different segmentsand merge them		
3.4	Use any audio editing software to make your voice loud and softer		
3.5	With the help of any video processing software apply trim, crop, rotate, join and add subtitles for the given video		
3.6	Create a movie by applying effects, titles, video transitions and mixing audio withvideo using any video editing software.		
3.7	Use any suitable tool to rip and burn audio/video into CDs/DVDs		
3.8	Use any suitable tool to compress/decompress audio/video files and apply different formats		

3.9	Apply mask effect to the video		
4.0	Apply colour effects to the video		
4.1	Fix the text behind the object in the video.		
4.2	Apply video in text effect		
Total Theory / Practical Hours		**20**	**40**
Total hours		**60**	

HARDWARE REQUIREMENT

S.NO	LIST OF SOFTWARE
1	Desktop Computer
2	Printer

SOFTWARE REQUIREMENT

S.NO	LIST OF SOFTWARE
1	Video Cutting Tools
2	Audio Tools: Avidemux, Movie Maker, Final Cut Pro X
3	Adobe Audition, Audacity
4	Audio Ripping and Conversion

REFERENCE BOOKS

S.NO	NAME OF THE BOOK	AUTHOR	PUBLISHER
1	Editing Digital Video	Robert M.Goodman Patrick McGrath	Tata McGraw Hill
2	Digital Video Editing Fundamentals	Wallace Jackson	Apress
3	Digital Audio Editing Fundamentals	Wallace Jackson	Apress
4	Premiere Pro for Windows	Antony Bolante	Techmedia
5	Audio Editing with Adobe Audition	Richard Riley	PC Publishing; 1 edition (July 10, 2004)
6	The Book of Audacity: Record, Edit, Mix, and Master with the Free Audio Editor	Carla Schroder	No Starch Press; 1 edition (15 March 2011)

ASSESSMENT AND CERTIFICATION

S.No	Criteria for assessment
1.	A trainee will be assessed based on the performance in End Examination for Theory and Practical conducted internally in the CIICP Project Polytechnic College for a duration of 3 hours
2.	A trainee must have 75% of attendance to appear for End examination in Theory and Practical.
3.	The assessment for theory part will be based on the marks scored in the end examination on the knowledge bank of questions (1 word/objective type questions)
4.	The assessment for practical part will be based on the marks scored in the end examination conducted by the CIICP Project Polytechnic and assessed by the Examiners approved by Strategic Plan Implementation Committee (SPIC) of the project polytechnic.
5.	The passing criteria for successful completion of training is every trainee should score 50% of marks in theory and practical examination.
6.	On successful completion of training, certificate will be issued to the participants by the Directorate of Technical Education through the Project Polytechnics.

END EXAMINATION

ALLOCATION OF MARKS

S.NO	Description	Max. Marks
1.	Theory Examination	20
2.	Practical Examination	
	a)Objective and AV Files	20
	b)Procedure and Connections / Execution	20
	c)Result and Viva	20
	d)Record	20
	Total Marks	**100**

EC/2020/023 - AUDIO AND VIDEOEDITING

(Maximum Marks: 20)

(N.B: Answer any Twenty questions)   **20x1= 20 Marks**

1. Write any two methods to convert analog signal into digital signal.
2. What is the basic component of audio recording?
3. What are the parameters of digital audio recording?
4. What is the recording tool in audio?
5. What is sound forge?
6. What is Audacity?
7. Expand MIDI.
8. What is MIDI?
9. What is editing in audio?
10. What is video signal?
11. Mention the types of video signal.
12. What is analog video signal?
13. What is digital video signal?
14. Write any two video standards.
15. What is animation?
16. Mention the any two types of animation software.
17. What is video editing?
18. What is transition?
19. Write any two Special effects in video.
20. What is Webinar?
21. List the features of Webinar Software.
22. List the types of video editing.
23. What is vision mixing?
24. What is 360˚?
25. What is Brand Film?