

CERTIFICATE COURSE IN AUDIO & VIDEO EDITING

Detailed Curriculum

Name of Unit of Qualification	:	Introduction to Audio and its Digital representation
Duration	:	10 Hours
Topics	:	Acoustics, Pulse Code Modulation, Sampling Rate & Resolution, Bit rate

Performance Criteria (OUTCOME) No.	Contents	Hrs.
1.Explain of Acoustics and Sound Transmission Technology	Basics of Acoustics, Psycho Acoustics, and Frequency range of Human Hearing, Spectral Characteristics of Human Hearing, Spatial Hearing and Masking. Early sound storage and transmission technology, Pulse Code Modulation, Sampling Rate, Sampling Resolution, Bit Rate	10

Name of Unit of Qualification	:	Digital Audio recording, editing and reproduction
Duration	:	25 Hours
Topics	:	Sound editing , recording, sound effects

Performance Criteria (OUTCOME) No.	Contents	Hrs.
2.Learn and practice of Audio Editing Techniques	Audio compression, audio production, basic sound editing and navigation, advanced editing, recording, applying sound effects, applying sound process. Explore features of sound editing softwares like Sonic Sound Forge and Adobe Audition. Synthesizer, MIDI, MIDI File Format, Sound Cards, PCM Playback and recording.	25

Name of Unit of Qualification	:	Video editing
Duration	:	35 Hours
Topics	:	Motion picture, Color, Video Editing technique

Performance Criteria (OUTCOME) No.	Contents	Hrs.
3. Learn and practice on Video Editing Techniques	<p>Principle of Motion Picture, Source for Motion video objects, Lines, frames, fields, raster scan, interlacing, synchronization, aspect ratio, resolution, compressed video.</p> <p>R-G-B Colour components, Analog video Camera Principle(colour), Luma and Chroma, Hue and saturation Basic Overview of video editing, Transitions and Titles, Editing Techniques, Adding video effects and motion, adding audio, Alpha Channels and Mattes, Tools and Techniques for advanced editing, Media Management(Post-edit), colour correction, Titleing and composting, Packaging Timeline, Edit to tape(mastering) & exporting to different media. Explore features of video editing software like Adobe Premiere Pro.</p>	35

Name of Unit of Qualification	:	Soft Skills <ul style="list-style-type: none"> • Verbal/ Non-verbal communication • Interview skills • Professional/social etiquettes • Professional correspondence/ English
Duration	:	20 Hours
Topics	:	Project Work in a peer group setting

Performance Criteria (OUTCOME) No.	Contents	Hrs.
4. Develop problem solving skills through project work	Industry Level Project Work undertaken in a peer group setting. Learn problem solving and soft skills in a team environment.	20