

## SYLLABUS

SEMESTER- 4

CINEMATECH-3

# RADIO STUDIO & BROADCAST

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Credits-3

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### 1. Radio Medium

Nature of the medium: Advantages of radio, Nature of listeners, Style and Presentations;

Technology for radio broadcasting and reception: Amplitude modulation (AM), Frequency modulation (FM), Analog Transmission, Digital Audio Broadcast (DAB), Satellite technology

History of Radio Broadcasting; DTH, Internet, Mobile technology, HAM (Help All Mankind)

### 2. Radio in India

Models: Public service broadcasting, All India Radio, Vibidh Bharati, Private broadcasting, Community radio, Internet and satellite radio, Public vs. Private broadcasting in India, FM Transmission

Program Formats: Live or Recorded, Studio or Remote location; News and current affair, Radio talk, Radio interview, Running Commentary, Music radio, Radio jingles, Drama, Docudrama, Radio feature, Phone-in, Discussion

Functionaries: Administrative, Radio Presenters: Newscasters, Disc Jockey, The anchor, The narrator; Engineering, Financial and Commercial wings

### 3. Radio Program Production

Stages of radio production: Pre-production, Production, Postproduction, Preparation of Script, Copywriter, Tagline, Creative producer, recording engineer

The production studio, Voice actors/celebrities for narration, Music and sound effect team, Post production, Live music vs. Production music, Function of music

Budget: Honorarium, Transport charges, Hiring charges, Equipment charges, Auditorium or theatre charges, Misc. charges, Sponsors

#### 4. Studio and Outdoor Broadcasting

Radio studio: Studio setup, Discussion studio / vocal booth, Control room, Transmitter, Studio Acoustics: Acoustics, Microphones, Digital Studio, Equipment for Production: The microphone, Audio consoles, Recorder, Monitor speaker, Patch panel, Transmitter

Studio facilities: A vocal booth / Discussion studio, Live recording room, Control room, Editing Workstation, DAW software (Logic, ProTool or Sound track)

Outdoor broadcasting: Planning and preparation for OB, Recorded OB, Live broadcasting,

#### 5. The Producer

The Producer: Audio or creative producer, b) Content producer / Show producer; Qualities of a Producer: Professionalism, Multi task ability, Creativity, research, technical and computer skills, Education and knowledge

Job responsibility: To involve in the entire process, right from the conceptualization to the final distribution

Scope of the job: Community Radio, Commercial Radio, Production houses

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#### Reference Books

1. Introduction to Radio Production: by Oberiri Destiny Apuke
2. Radio production: by Robert McLeish
3. The art of Sound Reproduction: by John Watkinson
4. Sound Reproduction: by Floyd Tooley