

# NOC:Audio System Engineering - Video course

## COURSE OUTLINE

Today audio engineering is a very competitive and important field. It requires a lot of experience and skill to become a good audio engineer with knowledge of acoustic. This course aims to provide comprehensive information about designing the sound systems accurately considering all variables affecting its quality. Sound transmission characteristics and how it impacts design of room acoustics will be adequately dealt including design of acoustic transducers. All those involved in designing room acoustics including Civil and Architectural engineers will find the information useful.

## COURSE DETAIL

Week	Topics
1	Fundamentals of vibration and acoustic wave equation.
2	Transmission, absorption and attenuation of sound.
3	Room and architectural acoustics.
4	Acoustic transduction and different acoustic transducers.

## References:

Sound system engineering by Don Davis and Eugene Patronis  
Fundamentals of acoustics by Lawrence E. Kinsler, Austin R Frey, Alan B. Coppins and James V. Sanders



NP-TEL

# NPTEL

<http://nptel.ac.in>

## Electronics & Communication Engineering

### Pre-requisites:

Basic electronics and  
Fundamental on Oscillation

### Coordinators:

**Prof. S. Dasmandal**  
Electronics &  
Communication  
Engineering IIT Kharagpur