NOC:Basics of Noise and Its Measurements - Video course

NP-TEL

COURSE OUTLINE

This course is intended for all those who want to conduct experiments in area of NVH. Thus, the course is open to students of engineering and science, and also to all those who from the industry and research organizations — who are working in area of sound, NVH and acoustics. Each lecture will be followed by a quiz, which will help student the concepts better, and gain deeper insights to measurement process. The course is fairly generic so that there is no need for a particular background. Rather, what is needed is openness, and ability to learn and check out new ideas with comfort.

COURSE DETAIL

Week .No	Торіс
1	Intro and terminology
2	The Wave Equation & measuring sound
3	Transmission line equations
4	Microphones: Classification and usage
5	Fourier series, integral and transform
6	Discrete Fourier Transform, Inverse FFT
7	Impedance, & Octave band analysis
8	STFT, spectrogram, reverb time, STC, NRC

NPTEL

http://nptel.ac.in

Mechanical Engineering

Pre-requisites:

Must be enrolled into a B. Tech. program or equivalent and should have completed second year of his 4-year program

Coordinators:

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