

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electronics and Communication Engineering - NOC:Basic Building Blocks of Microwave Engineering

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Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Concept of Mode
- Lecture 2 - Mathematical Model of Modes
- Lecture 3 - Mathematical Model of TEM Mode
- Lecture 4 - Mathematical Model of TE and TM Mode and Impedance Concept
- Lecture 5 - Losses Associated with Microwave Transmission
- Lecture 6 - Coaxial Line
- Lecture 7 - Rectangular Waveguide
- Lecture 8 - Circular Waveguide
- Lecture 9 - Planar Transmission Line
- Lecture 10 - Coaxial Connectors
- Lecture 11 - 3 Port Microwave Power Divider/Combiner - Part I
- Lecture 12 - 3 Port Microwave Power Divider/Combiner - Part II
- Lecture 13 - 4 Port Microwave Power Divider/Combiner
- Lecture 14 - Microwave Resonator
- Lecture 15 - Microwave Attenuators
- Lecture 16 - Microwave Detector and Switching Diodes
- Lecture 17 - Microwave Tubes
- Lecture 18 - Microwave Tubes
- Lecture 19 - Microwave Solid State Diode Oscillator and Amplifier
- Lecture 20 - Microwave Transistors

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