

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

NPTEL Video Course - Civil Engineering - NOC:Remote Sensing for Natural Hazard Studies

Subject Co-ordinator - Prof. Rishikesh Bharti

Co-ordinating Institute - IIT Guwahati

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

Lecture 1 - Introduction to Remote Sensing
Lecture 2 - Basics of Remote Sensing - I
Lecture 3 - Basics of Remote Sensing - II
Lecture 4 - Errors in Remote Sensing - I
Lecture 5 - Errors in Remote Sensing - II
Lecture 6 - Optical Remote Sensing
Lecture 7 - Microwave Remote Sensing - I : Part A
Lecture 8 - Microwave Remote Sensing - I : Part B
Lecture 9 - Microwave Remote Sensing - II : Part A
Lecture 10 - Microwave Remote Sensing - II : Part B
Lecture 11 - Hyperspectral Data Acquisition and Processing - Part A
Lecture 12 - Hyperspectral Data Acquisition and Processing - Part B
Lecture 13 - Remote Sensing Data Analysis - I : Part A
Lecture 14 - Remote Sensing Data Analysis - I : Part B
Lecture 15 - Remote Sensing Data Analysis - II : Part A
Lecture 16 - Remote Sensing Data Analysis - II : Part B
Lecture 17 - Data Type and Remote Sensing Products - Part A
Lecture 18 - Data Type and Remote Sensing Products - Part B
Lecture 19 - Introduction to Geographical Information System for Data Analysis - Part A
Lecture 20 - Introduction to Geographical Information System for Data Analysis - Part B
Lecture 21 - Potential of Remote Sensing and GIS in Hazard Studies: Overview - Part A
Lecture 22 - Potential of Remote Sensing and GIS in Hazard Studies: Overview - Part B
Lecture 23 - Introduction to Floods - I : Part A
Lecture 24 - Introduction to Floods - I : Part B
Lecture 25 - Introduction to Floods - II : Part A
Lecture 26 - Introduction to Floods - II : Part B
Lecture 27 - Remote Sensing for River Planform Studies - Part A
Lecture 28 - Remote Sensing for River Planform Studies - Part B
Lecture 29 - Remote Sensing for Floods - I : Part A

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- Lecture 30 - Remote sensing for Floods - I : Part B
- Lecture 31 - Remote Sensing for Floods - II : Part A
- Lecture 32 - Remote Sensing for Floods - II : Part B
- Lecture 33 - Remote Sensing for River Health - Part A
- Lecture 34 - Remote Sensing for River Health - Part B
- Lecture 35 - The Cryosphere - Part A
- Lecture 36 - The Cryosphere - Part B
- Lecture 37 - Introduction to Cryosphere Hazards - Part A
- Lecture 38 - Introduction to Cryosphere Hazards - Part B
- Lecture 39 - Dynamics of Snow and Glacier - Part A
- Lecture 40 - Dynamics of Snow and Glacier - Part B
- Lecture 41 - Geophysical Parameters of Snow - 1 : Part A
- Lecture 42 - Geophysical Parameters of Snow - 1 : Part B
- Lecture 43 - Geophysical Parameters of Snow - 2 : Part A
- Lecture 44 - Geophysical Parameters of Snow - 2 : Part B
- Lecture 45 - Seismic Impacts on Himalayan Glaciers - Part A
- Lecture 46 - Seismic Impacts on Himalayan Glaciers - Part B
- Lecture 47 - Introduction to Glacial Lake Outburst Floods - Part A
- Lecture 48 - Introduction to Glacial Lake Outburst Floods - Part B
- Lecture 49 - Glacial Lake Vulnerability Assessment - Part A
- Lecture 50 - Glacial Lake Vulnerability Assessment - Part B
- Lecture 51 - Avalanche Studies - Part A
- Lecture 52 - Avalanche Studies - Part B
- Lecture 53 - Introduction to Landslides - Part A
- Lecture 54 - Introduction to Landslides - Part B
- Lecture 55 - Remote Sensing for Landslide Studies - 1 : Part A
- Lecture 56 - Remote Sensing for Landslide Studies - 1 : Part B
- Lecture 57 - Remote Sensing for Landslide Studies - 2 : Part A
- Lecture 58 - Remote Sensing for Landslide Studies - 2 : Part B
- Lecture 59 - Introduction to Liquefaction - Part A
- Lecture 60 - Introduction to Liquefaction - Part B
- Lecture 61 - Remote Sensing for Liquefaction Studies - 1 : Part A
- Lecture 62 - Remote Sensing for Liquefaction Studies - 1 : Part B
- Lecture 63 - Remote Sensing for Liquefaction Studies - 2 : Part A
- Lecture 64 - Remote Sensing for Liquefaction Studies - 2 : Part B
- Lecture 65 - Introduction to Drought - Part A
- Lecture 66 - Introduction to Drought - Part B
- Lecture 67 - Remote Sensing for Drought Assessment - Part A
- Lecture 68 - Remote Sensing for Drought Assessment - Part B

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Lecture 69 - Present and Future Scopes