**NPTEL : NOC:Thermal Processing of Foods (Agriculture)**

**Co-ordinators : Prof. R. Anandalakshmi**

**NPTEL : NOC:Natural Resources Management (Agriculture)**

**Co-ordinators : Prof. Sudip Mitra**

Lecture 32 - National Environment Policy (NEP)

Lecture 33 - Modeling And Simulations Applications in Agriculture for NRM - Part 1

Lecture 34 - Modeling And Simulations Applications in Agriculture for NRM - Part 2

Lecture 35 - Modeling And Simulations Applications in Agriculture for NRM - Part 3

Lecture 36 - Modeling And Simulations Applications in Agriculture for NRM - Part 4

Lecture 37 - Modeling And Simulations Applications in Agriculture for NRM - Part 5

Lecture 38 - Precision Farming and Protected Cultivation - Part 1

Lecture 39 - Precision Farming and Protected Cultivation - Part 2

Lecture 40 - Precision Farming and Protected Cultivation - Part 3

Lecture 41 - Environmental Impact Assessment (EIA) - Part 1

Lecture 42 - Environmental Impact Assessment (EIA) - Part 2

Lecture 43 - Environmental Impact Assessment (EIA) - Part 3

Lecture 44 - Environmental Impact Assessment (EIA) - Part 4

Lecture 45 - Environmental Impact Assessment (EIA) - Part 5

Lecture 46 - Environmental Impact Assessment (EIA) - Part 6

Lecture 47 - Environmental Impact Assessment (EIA) - Part 7

Lecture 48 - CBNRM in Kenya

Lecture 49 - Model sensitivity and Uncertainty

Lecture 50 - MCDA in Agriculture

Lecture 51 - MCDM for NRM - Part 1

Lecture 52 - MCDM for NRM - Part 2

Lecture 53 - MCDM for NRM - Part 3

Lecture 54 - Remote Sensing and GIS Application in Agriculture and NRM (Introduction)

Lecture 55 - Remote Sensing and GIS Application in Agriculture and NRM - Part 1

Lecture 56 - Remote Sensing and GIS Application in Agriculture and NRM - Part 2

Lecture 57 - Remote Sensing and GIS Application in Agriculture and NRM - Part 3

Lecture 58 - Climate change; vulnerability; adaptation - Part 1

Lecture 59 - Climate change; vulnerability; adaptation - Part 2

Lecture 60 - Climate change; vulnerability; adaptation - Part 3

Lecture 61 - ICT: Introduction

Lecture 62 - ICT for Soil management

Lecture 63 - ICT for Water management

Lecture 64 - Collective Management of resources

Lecture 65 - Revision

**NPTEL : NOC:Basic Crop Production Practices (BCPP) (Agriculture)**

**Co-ordinators : Prof. J. R. Yadav, Dr. Vinod Kumar, Dr. Sharwan Kumar Shukla**

**NPTEL : NOC:GIS in Ag-Essentials and Applications (GIS) (Agriculture)**

**Co-ordinators : Dr. Venkataraman Balaji, Dr. R. Nagarajan**

**NPTEL : NOC:Integrated Pest Management (IPM) (Agriculture)**

**Co-ordinators : Prof. M. Bheemanna, Prof. B.V. Patil, Prof. Prabhuraj A**

**NPTEL : NOC:Nutrition, Therapeutics and Health (NM) (Agriculture)**

**Co-ordinators : Dr. V. Vijaya Lakshmi (Instructor Incharge)**

**NPTEL : NOC:Weather Forecast in Agriculture and Agro-advisory (WF) (Agriculture)**

**Co-ordinators : Dr. R. Nagarajan, Co Faculty, Dr.T.N.Balasubramanian (Rtd.), Instructor Incharge**

**NPTEL : NOC:ICT Basics (Agriculture)**

**Co-ordinators : Prof. T.V. Prabhakar**

**NPTEL : NOC:Momentum Transfer in Process Engineering (Agriculture)**

**Co-ordinators : Prof. Tridib Kumar Goswami**

**NPTEL : NOC:Farm Machinery (Agriculture)**

**Co-ordinators : Prof. VK Tewari**

**NPTEL : NOC:Irrigation and Drainage (Agriculture)**

**Co-ordinators : Prof. Damodhara Rao Mailapallli**

**NPTEL : NOC:Fundamentals of Food Process Engineering (Agriculture)**

**Co-ordinators : Prof. Jayeeta Mitra**

**NPTEL : NOC:Soil and Water Conservation Engineering (Agriculture)**

**Co-ordinators : Prof. Rajendra Singh**

**NPTEL : NOC:Dairy and Food Process and Products Technology (Agriculture)**

**Co-ordinators : Prof. Tridib Kumar Goswami**

**NPTEL : NOC:Organic Farming for Sustainable Agricultural Production (Agriculture)**

**Co-ordinators : Prof. Dilip Kumar Swain**

**NPTEL : NOC:Novel Technologies for Food Processing and Shelf Life Extension (Agriculture)**

**Co-ordinators : Prof. Hari Niwas Mishra**

**NPTEL : NOC:Soil Science and Technology (Agriculture)**

**Co-ordinators : Prof. Somsubhra Chakraborty**

**NPTEL : NOC:Thermal Operations in Food Process Engineering: Theory and Applications (Agriculture)**

**Co-ordinators : Prof. Tridib Kumar Goswami**

**NPTEL : NOC:Micro Irrigation Engineering (Agriculture)**

**Co-ordinators : Prof. Kamlesh Narayan Tiwari**

**NPTEL : NOC:Instrumentation and Process Control in Food Industry (Agriculture)**

**Co-ordinators : Prof. Ashis Kumar Datta**

**NPTEL : NOC:Machine Learning for Soil and Crop Management (Agriculture)**

**Co-ordinators : Prof. Somsubhra Chakraborty**

Lecture 32 - ML and DL for Soil and Crop Image Processing (Continued...)

Lecture 33 - ML and DL for Soil and Crop Image Processing (Continued...)

Lecture 34 - ML and DL for Soil and Crop Image Processing (Continued...)

Lecture 35 - ML and DL for Soil and Crop Image Processing (Continued...)

Lecture 36 - UAV and ML Applications in Agriculture

Lecture 37 - UAV and ML Applications in Agriculture (Continued...)

Lecture 38 - UAV and ML Applications in Agriculture (Continued...)

Lecture 39 - UAV and ML Applications in Agriculture (Continued...)

Lecture 40 - UAV and ML Applications in Agriculture (Continued...)

Lecture 41 - Hyperspectral Remote Sensing and ML Applications in Agriculture

Lecture 42 - Hyperspectral Remote Sensing and ML Applications in Agriculture (Continued...)

Lecture 43 - Hyperspectral Remote Sensing and ML Applications in Agriculture (Continued...)

Lecture 44 - Hyperspectral Remote Sensing and ML Applications in Agriculture (Continued...)

Lecture 45 - Hyperspectral Remote Sensing and ML Applications in Agriculture (Continued...)

Lecture 46 - Digital Soil Mapping - General Overview

Lecture 47 - Digital Soil Mapping - General Overview (Continued...)

Lecture 48 - Digital Soil Mapping - General Overview (Continued...)

Lecture 49 - Digital Soil Mapping - General Overview (Continued...)

Lecture 50 - Digital Soil Mapping - General Overview (Continued...)

Lecture 51 - Digital Soil Mapping With Continuous Variables

Lecture 52 - Digital Soil Mapping With Continuous Variables (Continued...)

Lecture 53 - Digital Soil Mapping With Continuous Variables (Continued...)

Lecture 54 - Digital Soil Mapping With Continuous Variables (Continued...)

Lecture 55 - Digital Soil Mapping With Continuous Variables (Continued...)

Lecture 56 - Digital Soil Mapping With Categorical Variables

Lecture 57 - Digital Soil Mapping With Categorical Variables (Continued...)

Lecture 58 - Digital Soil Mapping With Categorical Variables (Continued...)

Lecture 59 - Digital Soil Mapping With Categorical Variables (Continued...)

Lecture 60 - Digital Soil Mapping With Categorical Variables (Continued...)

**NPTEL : NOC:Advanced Aquaculture Technology (Agriculture)**

**Co-ordinators : Prof. Gourav Dhar Bhowmick**

**NPTEL : NOC:Post Harvest Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop Products (Agriculture)**

**Co-ordinators : Prof. Hari Niwas Mishra**

**NPTEL : NOC:Soil Fertility and Fertilizers (Agriculture)**

**Co-ordinators : Prof. Somsubhra Chakraborty**

**NPTEL : NOC:Cooling Technology: Why and How utilized in Food Processing and Allied Industries (Agriculture)**

**Co-ordinators : Prof. Tridib Kumar Goswami**

**NPTEL : NOC:Traction Engineering (Agriculture)**

**Co-ordinators : Prof. Hifjur Raheman**

**NPTEL : NOC:Food Oils and Fats : Chemistry and Technology (Agriculture)**

**Co-ordinators : Prof. Hari. Niwas Mishra**

**NPTEL : NOC:Watershed Hydrology (Agriculture)**

**Co-ordinators : Prof. Rajendra Singh**

**NPTEL : NOC:Water Quality Management Practices (Agriculture)**

**Co-ordinators : Prof. Gourav Dhar Bhowmick**

**NPTEL : NOC:Modern Food Packaging Technologies: Regulatory Aspects and Global Trends (Agriculture)**

**Co-ordinators : Prof. Prem Prakash Srivastav**

**NPTEL : NOC:Basics of Crop Breeding and Plant Biotechnology (Agriculture)**

**Co-ordinators : Prof. Joydeep Banerjee**

**NPTEL : NOC:Design of Farm Machinery (Agriculture)**

**Co-ordinators : Prof. Hifjur Raheman**

**NPTEL : NOC:Food Science and Technology (Agriculture)**

**Co-ordinators : Prof. Hari Niwas Mishra**

**NPTEL : NOC:Impact of Flow of Fluids in Food Processing and Preservation (Agriculture)**

**Co-ordinators : Prof. Kanishka Bhunia, Prof. Tridib Kumar Goswami**

**NPTEL : NOC:Food Microbiology for Safe and Sustainable Food Systems (Agriculture)**

**Co-ordinators : Prof. Prem Prakash Srivastav**