NPTEL : NOC:Phase Field Modelling: The Materials Science, Mathematics and Computational Aspects (Metallurgy and Material Science)

Co-ordinators : Dr. M.P. Gururajan

NPTEL : NOC:Dealing with Materials Data: Collection, Analysis and Interpretation (Metallurgy and Material Science)

Co-ordinators : Dr. M.P. Gururajan

NPTEL : NOC:Aqueous Corrosion and its Control (Metallurgy and Material Science)

Co-ordinators : Prof. V. S. Raja

NPTEL : NOC:Cathodic Protection Engineering (Metallurgy and Material Science)

Co-ordinators : Prof. V.S. Raja

NPTEL : NOC:Introduction to Materials Science and Engineering (Metallurgy and Material Science)

Co-ordinators : Prof. Rajesh Prasad

NPTEL : NOC:Crystals, Symmetry and Tensors (Metallurgy and Material Science)

Co-ordinators : Prof. Rajesh Prasad

NPTEL : NOC:Corrosion-Environmental Degradation-Surface Engineering (Metallurgy and Material Science)

Co-ordinators : Prof. (Hag) Harish Hirani

NPTEL : NOC:Introduction to Crystal Elasticity and Crystal Plasticity (Metallurgy and Material Science)

Co-ordinators : Prof. Swarup bag

NPTEL : Advanced Characterization Techniques (Metallurgy and Material Science)

Co-ordinators : Dr. Krishanu Biswas, Prof.N.P.Gurao

NPTEL : Electroceramics (Metallurgy and Material Science)

Co-ordinators : Dr. Ashish Garg

NPTEL : Fuels Refractory and Furnaces (Metallurgy and Material Science)

Co-ordinators : Prof. Satish Ch. Koria

NPTEL : Introduction to Biomaterials (Metallurgy and Material Science)

Co-ordinators : Dr. Kantesh Balani, Dr. Birkamjit Basu

NPTEL : Materials and Energy balance in Metallurgical Processes (Metallurgy and Material Science)

Co-ordinators : Prof. Satish Ch. Koria

NPTEL : Optoelectronic Materials and Devices (Metallurgy and Material Science)

Co-ordinators : Prof. Deepak Gupta, Prof. Monica Katiyar

NPTEL : Steel Making (Metallurgy and Material Science)

Co-ordinators : Prof. Satish Ch. Koria, Prof. Dipak Mazumdar

NPTEL : Structure of Materials (Metallurgy and Material Science)

Co-ordinators : Dr. Anandh Subramaniam

NPTEL : Environmental Degradation of Materials (Metallurgy and Material Science)

Co-ordinators : Dr. Kallol Mondal

NPTEL : NOC:Phase Diagrams in Materials Science and Engineering (Metallurgy and Material Science)

Co-ordinators : Dr. Krishanu Biswas

NPTEL : NOC:Fundamentals of Material Processing - I (Metallurgy and Material Science)

Co-ordinators : Prof. Shashank Shekhar

NPTEL : NOC:Heat Treatment and Surface Hardening - I (Metallurgy and Material Science)

Co-ordinators : Dr. Kallol Mondal, Prof. Sandeep Sangal

NPTEL : NOC:Fundamentals of Material Processing - Part 2 (Metallurgy and Material Science)

Co-ordinators : Prof. Shashank Shekhar, Prof. Jitesh J Thakkar

NPTEL : NOC:Nature and Properties of Materials - An Introductory Course (Metallurgy and Material Science)

Co-ordinators : Dr. Ashish Garg

NPTEL : NOC:Defects in Crystalline Solids - Part I (Metallurgy and Material Science)

Co-ordinators : Prof. Shashank Shekhar

NPTEL : NOC:Corrosion - Part I (Metallurgy and Material Science)

Co-ordinators : Dr. Kallol Mondal

NPTEL : NOC:Solar Photovoltaics: Principles, Technologies and Material (Metallurgy and Material Science)

Co-ordinators : Dr. Ashish Garg

NPTEL : NOC:Defects in Crystalline Solids - Part II (Metallurgy and Material Science)

Co-ordinators : Prof. Shashank Shekhar

NPTEL : NOC:Corrosion - Part II (Metallurgy and Material Science)

Co-ordinators : Dr. Kallol Mondal

NPTEL : NOC:Fundamentals and Applications of Dielectric Ceramics (Metallurgy and Material Science)

Co-ordinators : Dr. Ashish Garg

NPTEL : NOC:Properties of Materials (Nature and Properties of Materials-III) (Metallurgy and Material Science)

Co-ordinators : Dr. Ashish Garg

NPTEL : NOC:Diffusion in Multicomponent Solids (Metallurgy and Material Science)

Co-ordinators : Prof. Kaustubh Kulkarni

NPTEL : NOC:Corrosion Failures and Analysis (Metallurgy and Material Science)

Co-ordinators : Prof. Kallol Mondal

NPTEL : NOC:Nanomaterials and their Properties (Metallurgy and Material Science)

Co-ordinators : Prof. Krishanu Biswas

NPTEL : NOC:Mechanical Behaviour of Materials - Part I (Metallurgy and Material Science)

Co-ordinators : Prof. Shashank Shekhar, Prof. Sudhanshu Shekhar Singh

NPTEL : NOC:Mechanical Behaviour of Materials - Part II (Metallurgy and Material Science)

Co-ordinators : Prof. Sudhanshu Shekhar Singh, Prof. Shashank Shekhar

NPTEL : NOC:Electronic Properties of the Materials: Computational Approach (Metallurgy and Material Science)

Co-ordinators : Prof. Somnath Bhowmick

NPTEL : NOC:Corrosion Protection Methods (Metallurgy and Material Science)

Co-ordinators : Prof. Kallol Mondal

NPTEL : NOC:Phase Diagrams in Single Component and Binary Systems in Bengali (Metallurgy and Material Science)

Co-ordinators : Prof. Kallol Mondal

NPTEL : NOC:Artificial Intelligence and Machine Learning in Materials Engineering (Metallurgy and Material Science)

Co-ordinators : Prof. Krishanu Biswas

NPTEL : NOC:Metallurgical and Electronic Waste Recycling (Metallurgy and Material Science)

Co-ordinators : Prof. Arunabh Meshram

NPTEL : NOC:Crystal Symmetry, X-Ray Diffraction and Physical Properties (Metallurgy and Material Science)

Co-ordinators : Prof. Sandeep Sangal

NPTEL : NOC:Mechanical Behavior of Materials (Hindi) (Metallurgy and Material Science)

Co-ordinators : Prof. Niraj Mohan Chawake

NPTEL : NOC:Introductory Materials Informatics (Metallurgy and Material Science)

Co-ordinators : Prof. Krishanu Biswas, Prof. Pratik Kumar Ray

NPTEL : NOC:Phase Diagrams in Single Component and Binary Systems (Metallurgy and Material Science)

Co-ordinators : Prof. Kallol Mondal

NPTEL : Advanced ceramics for strategic applications (Metallurgy and Material Science)

Co-ordinators : Prof. H.S. Maiti

NPTEL : Non-ferrous Extractive Metallurgy (Metallurgy and Material Science)

Co-ordinators : Prof. H.S. Ray, Mr. L. Pugazhenthy

NPTEL : Principles of Physical Metallurgy (Metallurgy and Material Science)

Co-ordinators : Prof. R.N. Ghosh

NPTEL : Processing of Semiconducting Materials (Metallurgy and Material Science)

Co-ordinators : Dr. Pallab Banerji

NPTEL : Science and Technology of Polymers (Metallurgy and Material Science)

Co-ordinators : Prof. B. Adhikari

NPTEL : Advanced Materials and Processes (Metallurgy and Material Science)

Co-ordinators : Prof. B.S. Murty

NPTEL : NOC:Principles of Polymer Synthesis (Metallurgy and Material Science)

Co-ordinators : Prof. Rajat K Das

NPTEL : NOC:Advanced Materials and Processes (Metallurgy and Material Science)

Co-ordinators : Prof. Jayanta Das

NPTEL : NOC:Surface Engineering for Corrosion and Wear Resistance Application (Metallurgy and Material Science)

Co-ordinators : Prof. Jyotsna Dutta Majumder, Prof. I. Manna

NPTEL : NOC:Ironmaking and Steelmaking (Metallurgy and Material Science)

Co-ordinators : Prof. Gour Gopal Roy

NPTEL : NOC:Non-Metallic Materials (Metallurgy and Material Science)

Co-ordinators : Prof. Subhasish Basu Majumder

NPTEL : NOC:Scanning Electron-Ion-Probe Microscopy in Materials Characterization (Metallurgy and Material Science)

Co-ordinators : Prof. Debabrata Pradhan

NPTEL : NOC:Techniques of Material Characterization (Metallurgy and Material Science)

Co-ordinators : Prof. Shibayan Roy

NPTEL : NOC:Electrochemical Energy Storage (Metallurgy and Material Science)

Co-ordinators : Prof. Subhasish Basu Majumder

NPTEL : NOC:Texture in Materials (Metallurgy and Material Science)

Co-ordinators : Prof. Somjeet Biswas

NPTEL : NOC:Bulk Material Transport and Handling Systems (Metallurgy and Material Science)

Co-ordinators : Prof. Khanindra Pathak

NPTEL : NOC:Environmental Degradation and Surface Engineering (Metallurgy and Material Science)

Co-ordinators : Prof. Indranil Manna, Prof. Jyotsna Dutta Majumdar

NPTEL : NOC:Fracture, Fatigue and Failure of Materials (Metallurgy and Material Science)

Co-ordinators : Prof. Indrani Sen

NPTEL : NOC:Mine Closure and Sustainability Planning (Metallurgy and Material Science)

Co-ordinators : Prof. Khanindra Pathak

NPTEL : NOC:Fundamentals of Composite and Cellular Materials (Metallurgy and Material Science)

Co-ordinators : Dr. Siddhartha Roy, Dr. Tapas Laha

NPTEL : NOC:Principles of Extractive Metallurgy (Metallurgy and Material Science)

Co-ordinators : Prof. Tarun Kumar Kundu

NPTEL : NOC:Clean Coal Technology (Metallurgy and Material Science)

Co-ordinators : Prof. Barun Kumar Nandi

NPTEL : Advanced Metallurgical Thermodynamics (Metallurgy and Material Science)

Co-ordinators : Prof. B.S. Murty

NPTEL : Materials Characterization (Metallurgy and Material Science)

Co-ordinators : Dr. S. Sankaran

NPTEL : Physics of Materials (Metallurgy and Material Science)

Co-ordinators : Dr. Prathap Haridoss

NPTEL : Electronic materials, devices, and fabrication (Metallurgy and Material Science)

Co-ordinators : Prof. Parasuraman S

NPTEL : NOC:Fundamentals of optical and scanning electron microscopy (Metallurgy and Material Science)

Co-ordinators : Dr. S. Sankaran

NPTEL : NOC:Fundamentals of electronic materials and devices (Metallurgy and Material Science)

Co-ordinators : Prof. Parasuraman S

NPTEL : NOC:Introduction to Reciprocal Space and its use in Solids (Metallurgy and Material Science)

Co-ordinators : Dr. Prathap Haridoss

NPTEL : NOC:Analysis and Modeling of Welding (Metallurgy and Material Science)

Co-ordinators : Dr. G. Phanikumar

NPTEL : NOC:Fundamentals of X-ray Diffraction and Transmission Electron Microscopy (Metallurgy and Material Science)

Co-ordinators : Dr. S. Sankaran

NPTEL : NOC:Theory and Practice of Non Destructive Testing (Metallurgy and Material Science)

Co-ordinators : Dr. Ranjit Bauri

NPTEL : NOC:Defects in Materials (Metallurgy and Material Science)

Co-ordinators : Prof. Sundararaman M

NPTEL : NOC:Elementary Stereology for Quantitative Metallography (Metallurgy and Material Science)

Co-ordinators : Dr. S. Sankaran

NPTEL : NOC:Welding of Advanced High Strength Steels for Automotive Applications (Metallurgy and Material Science)

Co-ordinators : Prof. Murugaiyan Amirthalingam

NPTEL : NOC:Welding Processes (Metallurgy and Material Science)

Co-ordinators : Prof. Murugaiyan Amirthalingam

NPTEL : NOC:Creep Deformation of Materials (Metallurgy and Material Science)

Co-ordinators : Prof. Srikant Gollapudi

NPTEL : NOC:Nanotechnology, Science and Applications (Metallurgy and Material Science)

Co-ordinators : Dr. Prathap Haridoss

NPTEL : NOC:Powder Metallurgy (Metallurgy and Material Science)

Co-ordinators : Dr. Ranjit Bauri

NPTEL : NOC:Carbon Materials and Manufacturing (Metallurgy and Material Science)

Co-ordinators : Prof. Swati Sharma

NPTEL : NOC:Mechanical Behavior of Materials (Metallurgy and Material Science)

Co-ordinators : Prof. S. Sankaran

NPTEL : NOC:Aluminium based Alloys and Metal Matrix Composites (Metallurgy and Material Science)

Co-ordinators : Prof. Ranjit Bauri

NPTEL : NOC:Welding Science and Technology (In Tamil) (Metallurgy and Material Science)

Co-ordinators : Prof. Murugaiyan Amirthalingam

NPTEL : NOC:Thermodynamics and Kinetics of Materials (Metallurgy and Material Science)

Co-ordinators : Prof. Saswata Bhattacharya

NPTEL : NOC:Diffusion in Solids (Metallurgy and Material Science)

Co-ordinators : Prof. Mayur Vaidya

NPTEL : NOC:Computational Thermodynamics and Kinetics of Materials (Metallurgy and Material Science)

Co-ordinators : Prof. K. Guruvidyathri

NPTEL : NOC:Surface Engineering of Nanomaterials (Metallurgy and Material Science)

Co-ordinators : Prof. Kaushik Pal

NPTEL : NOC:Material Science and Engineering (Metallurgy and Material Science)

Co-ordinators : Dr. Vivek Pancholi

NPTEL : NOC:Structural Analysis of Nanomaterials (Metallurgy and Material Science)

Co-ordinators : Prof. Kaushik Pal

NPTEL : NOC:Thermo-Mechanical and Thermo-Chemical Processes (Metallurgy and Material Science)

Co-ordinators : Prof. S. R. Meka

NPTEL : NOC:Welding Metallurgy (Metallurgy and Material Science)

Co-ordinators : Dr. Pradeep K. Jha

NPTEL : NOC:Modeling of Tundish Steelmaking Process in Continuous Casting (Metallurgy and Material Science)

Co-ordinators : Dr. Pradeep K. Jha

NPTEL : NOC:Biomaterials for Bone Tissue Engineering Applications (Metallurgy and Material Science)

Co-ordinators : Prof. Bikramjit Basu

NPTEL : NOC:Iron Making (Metallurgy and Material Science)

Co-ordinators : Prof Govind S Gupta

NPTEL : NOC:Friction and Wear of Materials: Principles and Case Studies (Metallurgy and Material Science)

Co-ordinators : Prof. Dr. B. V. Manoj Kumar, Prof. Bikramjit Basu

NPTEL : NOC:Materials Design for Electronic, Electromechanical and Optical Functions (Metallurgy and Material Science)

Co-ordinators : Prof. Pavan Nukala

NPTEL : NOC:Advanced Manufacturing and Process Modelling (Metallurgy and Material Science)

Co-ordinators : Prof. Prosenjit Das

NPTEL : NOC:Advances in Additive Manufacturing of Materials: Current Status and Emerging Opportunities (Metallurgy and Material Science)

Co-ordinators : Prof. Bikramjit Basu

NPTEL : NOC:Advanced Material Characterization by Atom Probe Tomography and Electron Microscopy (Metallurgy and Material Science)

Co-ordinators : Prof. Surendra Kumar Makineni