

2,341 NPTEL Video Courses Information (Updated as on November 11, 2023)**Total Video Courses: 2,341 | Total Video Lectures: 108,488****Aerospace Engineering (56 Video Courses)**

1	101101001	Introduction to Aerospace Propulsion
2	101101002	Jet Aircraft Propulsion
3	101101058	Turbomachinery Aerodynamics
4	101104005	Aero elasticity
5	101104013	Foundation of Scientific Computing
6	101104015	Instability and Transition of Fluid Flows
7	101104017	Introduction to Helicopter Aerodynamics and Dynamics
8	101104018	Introduction to Propulsion
9	101104019	Jet and Rocket Propulsion
10	101105024	High Speed Aero Dynamics
11	101105030	Space Flight Mechanics
12	101105059	Introduction to Aerodynamics
13	101106031	Acoustic Instabilities in Aerospace Propulsion
14	101106033	Aerospace Propulsion
15	101106042	Flight Dynamics II (Stability)
16	101106044	Gas Dynamics
17	101106045	Introduction to CFD
18	101108047	Advanced Control System Design for Aerospace Vehicles
19	101108057	Optimal Control, Guidance and Estimation
20	101104061	NOC:Introduction to Airplane Performance
21	101104062	NOC:Stability and Control of Aircraft
22	101106037	Combustion
23	101104064	NOC:Aircraft Dynamic Stability and Design Stability Augmentation System

24	101104063	NOC:Engineering Thermodynamics (2016)
25	101104066	NOC:Introduction to Experiments in Flight
26	101104065	NOC:Introduction to Ancient Indian Technology
27	101104067	NOC:Engineering Thermodynamics (2017)
28	101108068	NOC:Combustion in Air Breathing Aero Engines
29	101104069	NOC:Aircraft Design
30	101104071	NOC:Aircraft Maintenance
31	101104070	NOC:Fundamentals of Combustion - Part I
32	101104072	NOC:Fundamentals of Combustion - Part II
33	101104073	NOC:Design of Fixed Wing Unmanned Aerial Vehicles
34	101104074	NOC:Introduction to Finite Volume Methods-I
35	101104075	NOC:Advance Aircraft Maintenance
36	101104076	NOC:Introduction to Finite Volume Methods-II
37	101105077	NOC:Satellite Attitude Dynamics and Control
38	101101079	NOC:Introduction to Aerospace Engineering
39	101104078	NOC:Introduction to Rocket Propulsion
40	101105081	NOC:Vibration and Structural Dynamics
41	101106082	NOC:Rocket Propulsion
42	101105084	NOC:Aircraft Structures - I
43	101104084	NOC:Introduction to Airbreathing Propulsion
44	101101083	NOC:Introduction to Aircraft Design
45	101105085	NOC:Introduction to CFD
46	101105083	NOC:Space Flight Mechanics
47	101104083	NOC:UAV Design - Part II
48	101101086	NOC:Introduction to Launch Vehicle Analysis and Design
49	101101087	NOC:Lighter than Air Systems
50	101104086	NOC:Computational Science in Engineering
51	101108086	NOC:Gasdynamics: Fundamentals and Applications
52	101105088	NOC:Fundamentals of Theoretical and Experimental Aerodynamics

53	101105089	NOC:Aerodynamic Design of Axial Flow Compressors and Fans
54	101102090	NOC:Elements of Mechanical Vibration
55	101105090	NOC:Smart Structures
56	101105091	NOC:Aeroengine Gas Turbine Cycles

Biotechnology (87 Video Courses)

1	102101003	Biomathematics
2	102101007	Proteomics: Principles and Techniques
3	102102033	Enzyme Science and Engineering
4	102104042	Animal Physiology
5	102104043	Bio electricity
6	102106022	Downstream Processing
7	102106026	Thermodynamics
8	102107028	Analytical Technologies in Biotechnology
9	102101050	NOC:Mass spectrometry based proteomics
10	102106048	NOC:Principles of Downstream techniques in Bioprocess
11	102101049	NOC:Proteins and Gel-Based Proteomics
12	102106051	NOC:Biostatistics and Design of Experiments
13	102106053	NOC:Bioreactors
14	102104052	NOC:Human Molecular Genetics
15	102101054	NOC:Interactomics: Protein Arrays and Label-free Biosensors
16	102106057	NOC:Medical Biomaterials
17	102104056	NOC:Functional Genomics
18	102101056	NOC:Introduction to Biostatistics
19	102103056	NOC:Introduction to Dynamical Models in Biology
20	102104057	NOC:Bioenergy
21	102107058	NOC:Biomedical Nanotechnology
22	102101058	NOC:Introduction to Mechanobiology

23	102104058	NOC:Animal Physiology
24	102104059	NOC:Cell Culture Technologies
25	102104060	NOC:Forest Biometry
26	102105058	NOC:Industrial Biotechnology
27	102106066	NOC:Demystifying the Brain
28	102104061	NOC:Introduction To Professional and Scientific Communication
29	102104062	NOC:Bioelectrochemistry
30	102104063	NOC:Bioenergetics Of Life Processes
31	102101067	NOC:Introductory Mathematical Methods for Biologists
32	102101055	NOC:Introduction to Proteomics
33	102106065	NOC:BioInformatics:Algorithms and Applications
34	102105064	NOC:Aspects Of Biochemical Engineering
35	102101068	NOC:Bioengineering: An Interface with Biology and Medicine
36	102104068	NOC:Wildlife Conservation
37	102104069	NOC:Nanotechnology in Agriculture
38	102105068	NOC:Biomicrofluidics
39	102106068	NOC:Computational Systems Biology
40	102106069	NOC:Material and Energy Balances
41	102106070	NOC:Computer Aided Drug Design
42	102101072	NOC:Applications of Interactomics using Genomics and Proteomics Technologies
43	102104073	NOC:Wild Life Ecology
44	102108071	NOC:Learning about Learning: A Course on Neurobiology of Learning and Memory
45	102101076	NOC:Introduction to Proteogenomics
46	102103074	NOC:Genetic Engineering: Theory and Application
47	102106080	NOC:Plant Cell Bioprocessing
48	102106081	NOC:Tissue Engineering
49	102107075	NOC:Plant Developmental Biology
50	102108077	NOC:Drug Delivery: Principles and Engineering
51	102108078	NOC:Fundamentals of Micro and Nanofabrication

52	102104082	NOC:Forests and their Management
53	102101082	NOC:Interactomics: Basics and Applications
54	102108082	NOC:Optical Spectroscopy and Microscopy: Fundamentals of Optical Measurements and Instrumentation
55	102106082	NOC:Thermodynamics for Biological Systems: Classical and Statistical Aspect
56	102103083	NOC:Experimental Biotechnology
57	102105083	NOC:Immunology
58	102106084	NOC:Introduction to Developmental Biology
59	102106083	NOC:Transport Phenomena in Biological Systems
60	102103086	NOC:Biointerface Engineering
61	102104086	NOC:Conservation Economics
62	102105086	NOC:Metabolic Engineering
63	102105087	NOC:Environmental Chemistry and Microbiology
64	102106086	NOC:Bioreactor Design and Analysis
65	102106087	NOC:Biochemistry (IITM)
66	102107086	NOC:Structural Biology
67	102108086	NOC:Cell Biology: Cellular Organization, Division and Processes
68	102104088	NOC:Conservation Geography
69	102105088	NOC:Environmental Biotechnology
70	102105089	NOC:Fundamentals of Protein Chemistry
71	102105090	NOC:Introduction to Biomedical Imaging Systems
72	102101091	NOC:Maternal Infant Young Child Nutrition
73	102103091	NOC:Basics of Biology
74	102103092	NOC:Data Analysis for Biologists
75	102103093	NOC:Genome Editing and Engineering
76	102106093	NOC:Cellular Biophysics: A Framework for Quantitative Biology
77	102106094	NOC:Medical Image Analysis
78	102106095	NOC:Organ Printing
79	102106096	NOC:Introduction to Cell Biology

80	102101097	NOC:Maternal Infant Young Child Nutrition (Hindi)
81	102103097	NOC:Enzyme Sciences and Technology
82	102106097	NOC:RNA Biology
83	102106098	NOC:Biomechanics
84	102104099	NOC:Neurobiology
85	102105099	NOC:Next Generation Sequencing Technologies: Data Analysis and Applications
86	102105100	NOC:Computational Neuroscience
87	102105101	NOC:Electrophysiology of Heart

Chemical Engineering (132 Video Courses)

1	103101001	Advanced Chemical Reaction Engineering (PG)
2	103101003	Advanced Process Control
3	103101008	Chemical Reaction Engineering II
4	103101111	Advanced Numerical Analysis
5	103102012	Heterogeneous Catalysis and Catalytic Processes
6	103103034	Mass Transfer Operations I
7	103103039	Process Design Decisions and Project Economics
8	103104044	Fluid Mechanics
9	103104046	Mass Transfer II
10	103104050	Plantwide Control of Chemical Processes
11	103105054	Biochemical Engineering
12	103105057	Microscale Transport Processes
13	103105059	Multiphase Flow
14	103105061	Novel Separation Processes
15	103105064	Process Control and Instrumentation
16	103105066	Instability and Patterning of Thin Polymer Films
17	103105106	Advanced Mathematical Techniques in Chemical Engineering
18	103106070	Chemical Engineering Thermodynamics

19	103106073	Computational Fluid Dynamics
20	103106074	Computational Techniques
21	103106103	Particle Characterization (PG)
22	103106113	Multiphase flows:Analytical solutions and Stability Analysis
23	103106114	NOC:Introduction to Time-Frequency Analysis and Wavelet Transforms
24	103107081	Chemical Technology - I
25	103107093	Process Integration
26	103108097	Chemical Reaction Engineering
27	103108098	Fundamentals of Transport Processes
28	103108099	Fundamentals of Transport Processes - II
29	103108100	Modern Instrumental Methods of Analysis
30	103106112	Statistics for Experimentalists
31	103106118	NOC:MATLAB Programming for Numerical Computation
32	103106115	Chemical Engineering Principles of CVD Processes
33	103106119	NOC:Computational Fluid Dynamics
34	103105121	NOC:Introduction to Process Modeling in Membrane Separation Process
35	103106120	NOC:Introduction to Statistical Hypothesis Testing
36	103106116	Chemical Reaction Engineering 1 (Homogeneous Reactors)
37	103106117	Chemical Reaction Engineering 2 (Heterogeneous Reactors)
38	103105122	NOC:Soft Nano Technology
39	103105124	NOC:Adiabatic Two-Phase Flow & Flow Boiling in Microchannel
40	103107123	Mechanical Operations
41	103108124	NOC:Atomic and Molecular Absorption Spectrometry for Pollution Monitoring
42	103106123	NOC:Applied Time-Series Analysis
43	103107125	NOC:Waste to Energy Conversion
44	103108123	NOC:Transport Processes I: Heat and Mass Transfer
45	103108127	NOC:Trace and Ultra-trace Analysis of Metals using Atomic Absorption Spectrometry
46	103101127	NOC:Introduction to Evolutionary Dynamics
47	103105127	NOC:Phase Equilibrium Thermodynamics

48	103105128	NOC:Transport Phenomena
49	103107127	NOC:Unit Operations of Particulate Matter
50	103106131	NOC:Rheology of Complex Materials
51	103103135	NOC:Measurement Technique in Multiphase Flows
52	103103133	NOC:An Introduction to Cardiovascular Fluid Mechanics
53	103108138	NOC:Inductive Couple Plasma Atomic Emmission Spectrometry (ICP-AES) for Pollution Monitoring
54	103103134	NOC:Multiphase Microfluidics
55	103104129	NOC:Thermodynamics Of Fluid Phase Equilibria
56	103101137	NOC:Heat Transfer
57	103103132	NOC:Fluidization Engineering
58	103105130	NOC:Chemical Process Instrumentation
59	103103136	NOC:Multiphase Flows
60	103103139	NOC:Introduction to Polymer Physics (IIT-G)
61	103103140	NOC:Natural Gas Engineering
62	103105139	NOC:Optimization in Chemical Engineering
63	103105140	NOC:Heat Transfer (2018)
64	103107139	NOC:Introduction to Polymer Physics (IIT-R)
65	103108139	NOC:Infrared Spectroscopy for Pollution Monitoring
66	103101141	NOC:Chemical Reaction Engineering-II
67	103101142	NOC:Chemical Process Control
68	103103144	NOC:Chemical Engineering Thermodynamics
69	103103145	NOC:Mass Transfer Operations-I
70	103103146	NOC:Transport Phenomena of Non-Newtonian Fluids
71	103103147	NOC:Fluid Flow Operations
72	103106148	NOC:Process Control - Design, Analysis and Assessment
73	103107143	NOC:Equipment Design: Mechanical Aspects
74	103106149	System Identification
75	103103152	NOC:Chemical Process Intensification
76	103103153	NOC:Chemical Reaction Engineering - I

77	103103154	NOC:Mass Transfer Operations II
78	103103155	NOC:Mechanical Unit Operations
79	103104151	NOC:Chemical Engineering Thermodynamics
80	103105160	NOC:Flow through Porous Media
81	103105161	NOC:Fundamentals of Particle and Fluid Solid Processing
82	103106158	NOC:Fluid and Particle Mechanics
83	103106159	NOC:Continuum Mechanics and Transport Phenomena
84	103107156	NOC:Chemical Process Safety
85	103107157	NOC:Technologies For Clean And Renewable Energy Production
86	103102016	Interfacial Engineering
87	103103162	NOC:Advanced Thermodynamics
88	103103165	NOC:Basic Principles and Calculations in Chemical Engineering
89	103103164	NOC:Computer Aided Applied Single Objective Optimization
90	103108162	NOC:Electrochemical Technology in Pollution Control
91	103106162	NOC:Environmental Quality Monitoring and Analysis
92	103103163	NOC:Membrane Technology
93	105106204	NOC:Colloids and Surfaces
94	103105166	NOC:Plant Design and Economics
95	105106205	NOC:Polymers: Concepts, Properties, Uses and Sustainability
96	103103206	NOC:Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems
97	103103207	NOC:Biomass Conversion and Biorefinery
98	103107206	NOC:Polymer Reaction Engineering
99	103107207	NOC:Process Equipment Design
100	103107208	NOC:Advanced Thermodynamics and Molecular Simulations
101	103101209	NOC:Introduction to Interfacial Waves
102	103103209	NOC:Aspen Plus® Simulation Software-A basic course for beginners
103	103105209	NOC:Material and Energy Balance Computations
104	103105210	NOC:Principles and Practices of Process Equipment and Plant Design
105	103102211	NOC:Fluid Mechanics and its Applications

106	103103211	NOC:Physical and Electrochemical Characterizations in Chemical Engineering
107	103107211	NOC:Chemical Process Utilities
108	103107212	NOC:Physico-Chemical Processes for Waste Water Treatment
109	103103031	Heat Transfer
110	103101215	NOC:Hydrogen Energy:Production,Storage,Transportation and Safety
111	103105215	NOC:Mathematical Modelling and Simulation of Chemical Engineering Process
112	103105216	NOC:Advanced Process Dynamics
113	103106214	Synthetic and Natural Supramolecular Architectures: An Approach Towards Molecular Technology
114	103107215	NOC:Basic Environmental Engineering and Pollution Abatement
115	103103217	NOC:Chemical Process Technology
116	103103218	NOC:Inorganic Chemical Technology
117	103105217	NOC:Metallocene and Metal-Carbene based Organometallic Compounds as Industrially Important Advanced Polyolefin Catalysts
118	103105218	NOC:Chemical Engineering Fluid Dynamics and Heat Transfer
119	103105219	NOC:Characterization of Polymers, Elastomers and Composites
120	103107217	NOC:Biological Process Design for Wastewater Treatment
121	103103220	NOC:Organic Chemical Technology
122	103103221	NOC:Solid-Fluid Operations
123	103103222	NOC:Energy Conversion Technologies (Biomass and Coal)
124	103103223	NOC:Petroleum Reservoir Engineering
125	103105220	NOC:Matlab-Based Programming Lab in Chemical Engineering
126	103105221	NOC:Petroleum Technology
127	103105222	NOC:Rheology and Processing of Paints, Plastic and Elastomer Based Composites
128	103105223	NOC:Petroleum Formation Evaluation
129	103106220	NOC:Artificial Lift
130	103107220	NOC:Advanced Reaction Engineering
131	103107221	NOC:Polymer Process Engineering
132	103108220	NOC:Transport Processes

Chemistry and Biochemistry (102 Video Courses)

1	104104011	Chemistry of Materials
2	104104026	Mathematics for Chemistry
3	104104066	Advance Analytical Course
4	104105031	Bio-inorganic chemistry
5	104105033	Co-ordination chemistry (chemistry of transition elements)
6	104105034	Heterocyclic Chemistry
7	104105038	Organic photochemistry and pericyclic reactions
8	104105039	Polymer Chemistry
9	104105041	Rate processes
10	104106048	Principles and Applications of Electron Paramagnetic Resonance Spectroscopy
11	104108055	Essentials in Immunology
12	104108056	Eukaryotic Gene Expression - basics and benefits
13	104108057	Introductory Quantum Chemistry
14	104108062	Introduction to Organometallic Chemistry
15	104106072	NOC:Chemistry - I
16	102105034	Bio-Chemistry I
17	104105076	NOC:Biochemistry
18	104106075	NOC:Application of Spectroscopic Methods in Molecular Structure Determination
19	104106074	NOC:Chemistry-II
20	104108078	NOC:Principles and Applications of NMR Spectroscopy
21	104106077	NOC:Pericyclic Reactions and Organic Photochemistry
22	104101079	NOC:Organo Metallic Chemistry
23	104104080	NOC:Chemical Applications of Symmetry and Group Theory
24	104106083	NOC:Chemistry I:Introduction To Quantum Chemistry and Molecular Spectroscopy
25	104104082	NOC:Quantum Computing
26	104104081	NOC:Mathematics for Chemistry
27	104104084	NOC:Basics of Fluorescence Spectroscopy

28	104104085	NOC:Laser: Fundamentals and Applications
29	104101084	NOC:Chemical and Biological Thermodynamics: Principles to Applications
30	104105084	NOC:Analytical Chemistry
31	104105086	NOC:Stereochemistry
32	104104086	NOC:Advanced Mathematical Methods for Chemistry
33	104101092	NOC:Metal Mediated Synthesis - I
34	104105088	NOC:Introduction to Molecular Thermodynamics
35	104101090	NOC:Chemistry of Main Group Elements
36	104101091	NOC:Transition Metal Organometallic Chemistry: Principles to Applications
37	104105087	NOC:A Study Guide In Organic Retrosynthesis: Problem Solving Approach
38	104106089	NOC:Introduction to Chemical Thermodynamics and Kinetics
39	104101093	NOC:Inorganic Chemistry of Life: Principles and Perspectives
40	104101094	NOC:Symmetry and Group Theory
41	104101095	NOC:Computational Chemistry and Classical Molecular Dynamics
42	104105093	NOC:Molecules in Motion
43	104106093	NOC:Chemical Crystallography
44	104106094	NOC:Advanced Chemical Thermodynamics and Kinetics
45	104106096	NOC:Chemistry: Atomic Structure and Chemical Bonding
46	104101099	NOC:Molecular Spectroscopy: A Physical Chemists Perspective
47	104101100	NOC:Advanced Transition Metal Organometallic Chemistry
48	104104101	NOC:Solid State Chemistry
49	104105102	NOC:Experimental Biochemistry
50	104105103	NOC:Industrial Inorganic Chemistry
51	104105104	NOC:Reactive Intermediates Carbene and Nitrene
52	104106105	NOC:Electrochemical Impedance Spectroscopy
53	104106106	NOC:Medicinal Chemistry
54	104106107	NOC:Chemical Principles-II
55	104108097	NOC:Multidimensional NMR Spectroscopy for Structural Studies of Biomolecules
56	104108098	NOC:Symmetry and Structure in the Solid State

57	104106108	Organic Chemistry Lab Certification
58	104101115	NOC:Mechanisms in Organic Chemistry
59	104101116	NOC:Metals In Biology
60	104101117	NOC:NMR spectroscopy for Chemists and Biologists
61	104102113	NOC:Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries
62	104102114	NOC:Introductory Non-Linear Dynamics
63	104103110	NOC:Principles Of Organic Synthesis
64	104103111	NOC:Reagents In Organic Synthesis
65	104103112	NOC:Thermodynamics: Classical to Statistical
66	104104109	NOC:Bioinorganic Chemistry
67	104105120	NOC:Organic Chemistry in Biology and Drug Development
68	104106119	NOC:Introductory Organic Chemistry I
69	104108118	NOC:Ultrafast Optics and Spectroscopy
70	104102009	Bio-Physical Chemistry
71	104101121	NOC:Basics in Inorganic Chemistry
72	104103121	NOC:Essentials of Biomolecules: Nucleic Acids and Peptides
73	104106122	NOC:Fundamentals of Spectroscopy
74	104106121	NOC:Quantitative Methods in Chemistry
75	104101123	NOC:Transition Metal Organometallics in Catalysis and Biology
76	104101122	NOC:Ultrafast Laser Spectroscopy
77	104101125	NOC:Basic Statistical Mechanics
78	104105124	NOC:Introduction to Polymer Science
79	104108124	NOC:One and Two Dimensional NMR Spectroscopy for Chemists
80	104101124	NOC:Quantum Chemistry of Atoms and Molecules
81	104101126	NOC:Quantum Mechanics and Molecular Spectroscopy
82	104101127	NOC:Essentials of Oxidation, Reduction and C_C Bond Formation. Application in Organic Synthesis
83	104101128	NOC:Chemical Kinetics and Transition State Theory

84	104105127	NOC:Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A Problem Solving Approach
85	104105128	NOC:Approximate Methods in Quantum Chemistry
86	104106127	NOC:Symmetry, Stereochemistry and Applications
87	104106128	NOC:Symmetry and Group Theory (2021)
88	104101130	NOC:Concepts of Chemistry for Engineering
89	104104130	NOC:Chemistry and Physics of Surfaces and Interfaces
90	104105130	NOC:Biological Inorganic Chemistry
91	104106131	NOC:Introductory Organic Chemistry - II
92	104108132	NOC:Time Dependent Quantum Chemistry
93	104101133	NOC:Classics in Total Synthesis-I
94	104101134	NOC:Circular Dichroism and Mossbauer Spectroscopy for Chemists
95	104101135	NOC:NMR Spectroscopy for Structural Biology
96	104101136	NOC:Transition Metal Chemistry
97	104105133	NOC:Principles and Applications of Enolate Alkylation
98	104101137	NOC:Nuclear and Radiochemistry
99	104106137	NOC:Elementary Electrochemistry
100	104106138	NOC:Organic Chemistry-I (Tamil)
101	104101139	NOC:Fundamentals of Statistical Thermodynamics
102	104105139	NOC:Overview and Integration of Cellular Metabolism

Civil Engineering (190 Video Courses)

1	105101005	Soil Dynamics
2	105101006	Structural Dynamics
3	105101010	Watershed Management
4	105101082	Fluid Mechanics
5	105101084	Soil Mechanics
6	105101086	Structural Analysis II

7	105101134	Geotechnical Earthquake Engineering
8	105101143	Geosynthetics Engineering: In Theory and Practice
9	105102012	Concrete Technology
10	105102016	Seismic Analysis of Structures
11	105102088	Building Materials and Construction
12	105103021	Advanced Hydraulics
13	105103094	Design of Steel Structures
14	105103096	Hydraulics
15	105104029	Advanced Hydrology
16	105104030	Concrete Engineering and Technology
17	105104099	Environmental Air Pollution
18	105104101	Surveying
19	105104103	Water Resources Engineering
20	105104131	Geotechnical Measurements and Explorations
21	105104135	Application of Soil Mechanics
22	105105039	Advanced Foundation Engineering
23	105105043	Numerical Methods in Civil Engineering
24	105105045	Probability Methods in Civil Engineering
25	105105105	Design of Reinforced Concrete Structures
26	105105106	Engineering Geology
27	105105107	Introduction to Transportation Engineering
28	105105108	Strength of Materials
29	105106050	Advanced Structural Analysis
30	105106051	Finite Element Analysis
31	105106052	Geosynthetics and Reinforced Soil Structures
32	105106053	Modern Construction Materials
33	105106058	Urban Transportation Planning
34	105106116	Mechanics of solids
35	105106118	Pre-stressed Concrete Structures

36	105106119	Water and Waste Water Engineering
37	105107120	Foundation Engineering
38	105107121	Modern Surveying Techniques
39	105107123	Transportation Engineering II
40	105108075	Ground Improvement Techniques
41	105108079	Stochastic Hydrology
42	105108080	Stochastic Structural Dynamics
43	105108130	Water Resources Systems : Modeling Techniques and Analysis
44	105105042	Ground Water Hydrology
45	105101001	Advanced Geotechnical Engineering
46	105106145	NOC:Sustainable River Basin Management
47	105106149	NOC:Project Planning and Control
48	105105150	NOC:Probability Methods in Civil Engineering
49	105104147	NOC:Geology and Soil Mechanics
50	105104148	NOC:Engineering Graphics
51	105106151	NOC:Structural Dynamics
52	105104152	NOC:Earth Sciences for Civil Engineering
53	105108141	Finite Element method for vibration and Stability analyses
54	105107155	NOC:Introduction to Geographic Information Systems
55	105107156	NOC:Principles and Applications of Building Science
56	105107157	NOC:GPS Surveying
57	105105156	NOC:Visual Semiotics for Visual Communication
58	105104156	NOC:Earth Sciences for Civil Engineering - Part 2
59	105102159	Water Management
60	105107158	NOC:Digital Land Surveying And Mapping
61	105105157	NOC:Life Cycle Assessment
62	105104157	NOC:Hydration, Porosity and Strength of Cementitious Materials
63	105101160	NOC:Geotechnical Engineering Laboratory
64	105104160	NOC:Mechanics of Solids

65	105104161	NOC:Principles of Construction Management
66	105104162	NOC:Foundation Design
67	105105160	NOC:Integrated Waste Management for a Smart City
68	105105161	NOC:Computational Hydraulics
69	105105162	NOC:Design of Steel Structures
70	105105165	NOC:Reinforced Concrete Road Bridges
71	105105166	NOC:Structural Analysis - I
72	105107160	NOC:Digital Image Processing of Remote Sensing Data
73	105102160	NOC:Geoenvironmental Engineering (Environmental Geotechnology) Landfills, Slurry Ponds and Contaminated Sites
74	105105169	NOC:Electronic Waste Management: Issues And Challenges
75	105107174	NOC:Digital Elevation Models and Applications
76	105104167	NOC:Photogeology In Terrain Evaluation
77	105102175	NOC:Energy Efficiency, Acoustics and Daylighting in Building
78	105106172	NOC:Mechanics of Materials
79	105107173	NOC:Applied Environmental Microbiology
80	105105168	NOC:Soil Mechanics, Geotechnical Engineering-I
81	105105170	NOC:Mineral Resources: Geology, Exploration, Economics and Environment
82	105105171	NOC:Introduction to Mineral Processing
83	105101176	NOC:Geosynthetics Testing Laboratory
84	105102176	NOC:Fire Protection, Services and Maintenance Management of Building
85	105103176	NOC:Higher Surveying
86	105103177	NOC:Unsaturated Soil Mechanics
87	105104177	NOC:Photogeology In Terrain Evaluation - Part 2
88	105104178	NOC:Introduction to Accounting and Finance for Civil Engineers
89	105105176	NOC:Foundation Engineering
90	105105177	NOC:Theory of Elasticity
91	105105178	NOC:Wastewater Treatment and Recycling
92	105105179	NOC:Fluid Inclusion in Mineral Principles, Methodology, Practice and Application

93	105105180	NOC:Matrix Method of Structural Analysis
94	105106176	NOC:Advanced Concrete Technology
95	105106177	NOC:Glass in buildings: Design and Application
96	105106178	NOC:Glass Processing Technology
97	105107176	NOC:Environmental Engineering-Chemical Processes
98	105103182	NOC:Subsurface Exploration: Importance and Techniques Involved
99	105104183	NOC:Natural Hazards - Part 1
100	105105184	NOC:Plastic Waste Management
101	105105185	NOC:Geotechnical Engineering-II Foundation Engineering
102	105105186	NOC:Mass, Momentum and Energy Balances in Engineering Analysis
103	105106187	NOC:Advanced Topics in the Science and Technology of Concrete
104	105106188	NOC:Infrastructure Planning and Managements
105	105107181	NOC:Environmental Remediation of Contaminated Sites
106	105101196	NOC:Environmental Geotechnics
107	105102195	NOC:Sustainable Materials and Green Buildings
108	105102199	NOC:Scheduling Techniques in Projects
109	105103192	NOC:Fluid Mechanics
110	105103193	NOC:Remote Sensing and GIS
111	105104189	NOC:Structural Dynamics for Civil Engineers - SDOF systems
112	105104190	NOC:Geomorphic Processes: Landforms and Landscapes
113	105104191	NOC:Structural Geology
114	105106197	NOC:Design of Masonry Structures
115	105107194	NOC:Global Navigation Satellite Systems And Applications
116	105106200	NOC:Characterization of Construction Materials
117	105104200	NOC:Earthquake Geology: A tool for Seismic Hazard Assessment
118	105101200	NOC:Environmental Geomechanics
119	105107200	NOC:Geomorphology
120	105105202	NOC:Geo Spatial Analysis in Urban Planning
121	105101201	NOC:Geotechnical Engineering - 1

122	105105203	NOC:Hydraulic Engineering
123	105106201	NOC:Introduction to Civil Engineering Profession
124	105106202	NOC:Maintenance and Repair of Concrete Structures
125	105106203	NOC:Mechanical Characterization of Bituminous Materials
126	105107201	NOC:Remote Sensing Essentials
127	105105200	NOC:Soil Structure Interaction
128	105105201	NOC:Water Supply Engineering
129	105107204	NOC:Earthquake Resistant Design of Foundations
130	105108204	NOC:Introduction to Engineering Seismology
131	105105204	NOC:Introduction to Multimodal Urban Transportation Systems
132	105103205	NOC:Municipal Solid Waste Management
133	105103204	NOC:River Engineering
134	105101206	NOC:Remote Sensing: Principles and Applications
135	105102206	NOC:Safety in Construction
136	105103206	NOC:Construction Methods and Equipment Management
137	105103207	NOC:Advanced Soil Mechanics
138	105104206	NOC:Development and Applications of Special Concretes
139	105105207	NOC:Advanced Foundation Engineering
140	105105208	NOC:Urban Transport Systems Planning
141	105106206	NOC:Basic Construction Materials
142	105107206	NOC:Geographic Information Systems
143	105107207	NOC:Water and Waste Water Treatment
144	105107208	NOC:Rock Engineering
145	105101209	NOC:Dynamics of Structures
146	105103209	NOC:Plates and Shells
147	105103210	NOC:Optimization methods for Civil engineering
148	105105209	NOC:Structural Reliability
149	105105210	NOC:Ground Improvement
150	105105211	NOC:Remote Sensing of Leaf Area Index and Primary Productivity

151	105105212	NOC:Rock Mechanics and Tunneling
152	105107209	NOC:Finite Element Method and Computational Structural Dynamics
153	105107210	NOC:Sustainable Transportation Systems
154	105101213	NOC:Microwave Remote Sensing in Hydrology
155	105101214	NOC:Groundwater Hydrology and Management
156	105101215	NOC:Rural Water Resources Management
157	105103213	NOC:Engineering Hydrology
158	105103214	NOC:Expansive Soil
159	105105213	NOC:Retrofitting and Rehabilitation of Civil Infrastructure
160	105105214	NOC:Surface Water Hydrology
161	105105215	NOC:Traffic Engineering
162	105106213	NOC:Introduction to Lean Construction
163	105107213	NOC:Air Pollution and Control
164	105101216	NOC:Geotechnical Engineering-II
165	105104216	NOC:Introductory Field Structural Geology
166	105105216	NOC:Bridge Engineering
167	105105217	NOC:Elastic Stability of Structures
168	105105218	NOC:Radiogenic Isotope Geology
169	105105219	NOC:Availability and Management of Groundwater Resources
170	105106216	NOC:Design of Connections in Steel Structures
171	105107216	NOC:Underground Space Technology
172	105107217	NOC:Environmental Modeling and Simulation
173	105107218	NOC:Advanced Geomatics Engineering
174	105107219	NOC:Pavement Materials (Under Pavement Engineering)
175	105107220	NOC:Geometric Design of Highways
176	105101221	NOC:Remote Sensing and GIS for Rural Development
177	105103221	NOC:Vibration of Continuous Systems
178	105105221	NOC:Soil Dynamics
179	105106221	NOC:Analysis and Design of Bituminous Pavements

180	105106222	NOC:FEM and Constitutive Modelling in Geomechanics
181	105106223	NOC:The Evolution of the Earth and life
182	105103224	NOC:Reliability-Based Structural Design
183	105104224	NOC:Earth Sciences for Civil Engineering (Hindi)
184	105105224	NOC:Geotechnical Earthquake Engineering
185	105105225	NOC:Earthquake Seismology
186	105105226	NOC:Engineering Geology
187	105106224	NOC:Advanced Reinforced Concrete Design
188	105106225	NOC:Admixtures and Special Concretes
189	105107224	NOC:Plate Tectonics
190	105107225	NOC:Earthquake Geotechnical Engineering

Computer Science and Engineering (211 Video Courses)

1	106101007	Natural Language Processing
2	106101060	Design and Analysis of Algorithms
3	106101061	Software Engineering
4	106102011	Computational Geometry
5	106102013	Logic for CS
6	106102062	Computer Architecture (Prof. Anshul Kumar)
7	106102064	Data Structures And Algorithms
8	106102065	Introduction to Computer Graphics
9	106102067	Principles of Programming Languages
10	106102114	Parallel Computing
11	106103116	Design Verification and Test of Digital VLSI Circuits
12	106104019	Computer Algorithms - 2
13	106104028	Theory of Computation
14	106104074	Introduction to Problem Solving and Programming
15	106104118	Riemann Hypothesis and its Applications

16	106104119	Biometrics
17	106104120	Parallel Algorithm
18	106104122	Computer Architecture (Dr. Mainak Chaudhuri)
19	106104123	Compiler Design (Prof. Sanjeev K Aggarwal)
20	106104128	NOC:Introduction to Programming in C
21	106105031	Cryptography and Network Security
22	106105033	High Performance Computer Architecture
23	106105034	Low Power VLSI Circuits and Systems
24	106105036	Real Time Systems
25	106105077	Artificial Intelligence (Prof. S. Sarkar, Prof. Anupam Basu)
26	106105079	Artificial Intelligence (Prof.P. Dasgupta)
27	106105081	Computer Networks
28	106105082	Data Communication
29	106105083	Electronic Design Automation
30	106105084	Internet Technology
31	106105085	Programming and Data Structure
32	106106046	Pattern Recognition
33	106106048	Performance Evaluation of Computer Systems
34	106106049	Theory of Automata, Formal Languages and Computation
35	106106090	Computer Graphics
36	106106092	Computer Organization
37	106106093	Database Design
38	106106094	Discrete Mathematical Structures
39	106106126	Artificial Intelligence (Prof. Deepak Khemani)
40	106106127	NOC:Programming, Data Structures and Algorithms
41	106106129	NOC:Introduction to Information Security I
42	106106130	NOC:Programming and Data structures (PDS)
43	106106131	NOC:Design and Analysis of Algorithms
44	106106133	NOC:Programming, Data Structures and Algorithms (Aricent)

45	106108051	Combinatorics
46	106108052	Compiler Design (Prof. Y.N. Srikanth)
47	106108054	Graph Theory
48	106108055	High Performance Computing
49	106108056	Numerical Optimization
50	106108058	Storage Systems
51	106108102	System Analysis and Design
52	106108113	Principles of Compiler Design
53	106106134	NOC:Computer Architecture
54	106106136	NOC:Model Checking
55	106106137	NOC:Functional Programming in Haskell
56	106104135	NOC:Fundamentals of Database Systems
57	106106141	NOC:Information Security - II
58	106106139	NOC:Introduction to Machine Learning (Sponsored by Arihant)
59	106106140	NOC:Artificial Intelligence: Knowledge Representation & Reasoning
60	106106138	Virtual Reality
61	106106142	NOC:Algorithms for Big Data
62	106105154	NOC:Complex Network : Theory and Application
63	106105153	NOC:Object-Oriented Analysis and Design
64	106105152	NOC:Introduction to Machine Learning
65	106105151	NOC:Programming in C++
66	106105150	NOC:Software Testing
67	106104148	NOC:Theory of Computation
68	106107155	NOC:Introduction to Cryptology
69	106104149	NOC:Modern Algebra
70	106106146	NOC:Privacy and Security in Online Social Networks
71	106106145	NOC:Programming, Data Structures and Algorithms in Python
72	106106144	NOC:Introduction to Operating Systems
73	106106147	NOC:Mobile Computing

74	106106143	NOC:Reinforcement Learning
75	106106156	NOC:Introduction to Modern Application Development
76	106105157	Fundamental Algorithms:Design and Analysis
77	106106158	NOC:AI:Constraint Satisfaction
78	106102157	NOC:Computer Architecture
79	106106157	NOC:Information Security-3
80	106105160	NOC:Wireless Ad Hoc and Sensor Networks
81	106105158	NOC:Natural Language Processing
82	106105161	NOC:VLSI Physical Design
83	106105159	NOC:Embedded Systems Design
84	106105162	NOC:Cryptography and Network Security
85	106105163	NOC:Computer Architecture and Organization
86	106105164	NOC:Introduction to Algorithms and Analysis
87	106105165	NOC:Hardware Modeling using Verilog
88	106105166	NOC:Introduction to Internet of Things
89	106105167	NOC:Cloud Computing
90	106101163	NOC:Software Testing
91	106106166	NOC:Computer Organization
92	106106167	NOC:Introduction to Wireless and Cellular Communications
93	106102163	NOC:Introduction to Parallel Programming in OpenMP
94	106106168	NOC:Distributed Systems
95	106106169	NOC:Social Networks
96	106105172	NOC:Real Time Operating System
97	106106176	NOC:An Introduction to Probability in Computing
98	106104170	NOC:Advanced Graph Theory
99	106105173	NOC:Introduction to Soft Computing
100	106105174	NOC:Data Mining
101	106105175	NOC:Data Base Management System
102	106106177	NOC:Introduction to Human Computer Interaction

103	106106178	NOC:Information Security - IV
104	106106179	NOC:Data Science for Engineers
105	106103180	NOC:Computer Organization and Architecture - A Pedagogical Aspect
106	106105171	NOC:Problem Solving through Programming in C
107	106102181	NOC:Synthesis of Digital Systems
108	106101182	NOC:Design and Pedagogy of the Introductory Programming Course
109	106103182	NOC:Embedded Systems-Design Verification and Test
110	106103183	NOC:Multi-Core Computer Architecture-Storage and Interconnects
111	106104182	NOC:Cloud Computing and Distributed Systems
112	106105182	NOC:Software Engineering
113	106105183	NOC:Computer Networks and Internet Protocol
114	106105184	NOC:Blockchain Architecture Design and Use Cases
115	106105185	NOC:Switching Circuits and Logic Design
116	106105186	NOC:Scalable Data Science
117	106106182	NOC:The Joy of Computing using Python
118	106106183	NOC:Discrete Mathematics
119	106106184	NOC:Deep Learning
120	106103187	NOC:Randomized Algorithms
121	106103188	NOC:Parallel Algorithms
122	106104189	NOC:Big Data Computing
123	106105190	NOC:Compiler Design
124	106105191	NOC:Programming in Java
125	106105192	NOC:Discrete Structures
126	106105193	NOC:Embedded System Design with ARM
127	106105194	NOC:Hardware Security
128	106105195	NOC:Introduction to Industry 4.0 and Industrial Internet of Things
129	106105196	NOC:Introduction to Automata, Languages and Computation
130	106106197	NOC:Foundations to Computer Systems Design
131	106106198	NOC:Machine Learning for Engineering and Science Applications

132	106106199	NOC:Information Security 5 - Secure Systems Engineering
133	106106200	NOC:Multimodal Interaction
134	106106201	NOC:Deep Learning - Part 2
135	106106202	NOC:Machine Learning, ML
136	106101208	NOC:An Introduction to Programming Through C++
137	106101209	NOC:Demystifying Networking
138	106103205	NOC:Discrete Mathematics
139	106103206	NOC:Advanced Computer Architecture
140	106105214	NOC:Operating System Fundamentals
141	106105215	NOC:Deep Learning (2019)
142	106105216	NOC:Computer Vision
143	106105217	NOC:Ethical Hacking
144	106105218	NOC:Software Project Management
145	106105219	NOC:Spatial Informatics
146	106106210	NOC:C Programming and Assembly Language
147	106106211	NOC:Applied Natural Language Processing
148	106106212	NOC:Python for Data Science
149	106106213	NOC:Practical Machine Learning with Tensorflow
150	106102132	Operating Systems
151	106102220	NOC:An Introduction to Artificial Intelligence
152	106104221	NOC:Arithmetic Circuit Complexity
153	106107220	NOC:Data Analytics with Python
154	106106221	NOC:Foundations of Cryptography
155	106105220	NOC:GPU Architectures and Programming
156	106104220	NOC:Introduction to Blockchain Technology and Applications
157	106106220	NOC:Introduction to Database Systems
158	106106222	NOC:Modern Application Development (2020.S1)
159	106103220	NOC:User-centric Computing for Human-Computer Interaction
160	106105223	NOC:Google Cloud Computing Foundation Course

161	110101145	NOC:Bandit Algorithm (Online Machine Learning)
162	106103224	NOC:Computer Graphics
163	106105225	NOC:Data Structure and Algorithms using Java
164	106106224	NOC:Deep Learning for Computer Vision
165	106105224	NOC:Object Oriented System Development using UML, Java and Patterns
166	106106226	NOC:Artificial Intelligence Search Methods For Problem Solving
167	106104227	NOC:Computational Complexity Theory
168	106104228	NOC:Randomized Methods in Complexity
169	106108227	NOC:Discrete Mathematics (IIITB)
170	106102229	NOC:Advanced Computer Architecture
171	106103229	NOC:C-Based VLSI Design
172	106105229	NOC:Real-Time Systems
173	106105230	NOC:Algorithms for Protein Modelling and Engineering
174	106106229	NOC:Computational Complexity
175	106106230	NOC:Parameterized Algorithms
176	106106231	NOC:Getting Started with Competitive Programming
177	106106232	NOC:Introduction to Quantum Computing: Quantum Algorithms and Qiskit
178	106108229	NOC:Secure Computation: Part I
179	106104233	NOC:Probability for Computer Science
180	106101234	NOC:Design and Engineering of Computer Systems
181	106101235	NOC:Software Conceptual Design
182	106105234	NOC:Programming in Modern C++
183	106105235	NOC:Blockchain and its Applications
184	106106234	NOC:Systems and Usable Security
185	106106235	NOC:Online Privacy
186	106106236	NOC:Introduction to Machine Learning (Tamil)
187	106106237	Compiler Design
188	106101237	NOC:Introduction to Game Theory and Mechanism Design
189	106101238	NOC:Introduction to Computer and Network Performance Analysis using Queuing Systems

190	106102237	NOC:Advanced Distributed systems
191	106103237	NOC:Design and Implementation of Human-Computer Interfaces
192	106105237	NOC:Algorithmic Game Theory
193	106105238	NOC:Machine Learning for Earth System Sciences
194	106105239	NOC:Statistical Learning for Reliability Analysis
195	106106238	NOC:Applied Accelerated Artificial Intelligence
196	106106239	NOC:Social Network Analysis
197	106108237	NOC:Secure Computation - Part II
198	106104241	NOC:Circuit Complexity Theory
199	106104242	NOC:Foundation of Cloud IoT Edge ML
200	106105241	NOC:Foundations of Cyber Physical Systems
201	106105242	NOC:Selected Topics in Algorithms
202	106106241	NOC:Quantum Algorithms and Cryptography
203	106106242	NOC:Theory of Computation (2023)
204	106106243	NOC:Advanced Computer Networks
205	106106244	NOC:Affective Computing
206	106106245	NOC:Optimisation for Machine Learning: Theory and Implementation (Hindi)
207	106106246	ACM India - RBCDSAI Summer School on DS/AI/ML
208	106105247	NOC:Foundations and Applications of Machine Learning (Bengali)
209	106106247	NOC:Machine Learning (ML) in Hindi
210	106106248	NOC:Cyber Security and Privacy
211	106103184	NOC:Multi-Core Computer Architecture

Engineering Design (19 Video Courses)

1	107103004	Ergonomics for beginners: Industrial design perspective
2	107106009	Principles of Engineering System Design
3	107106080	Vehicle Dynamics
4	107103081	NOC:System Design for Sustainability

5	107103082	NOC:Product Design and Innovation
6	107103083	NOC:Interaction Design
7	107106081	NOC:Control Systems
8	107103084	NOC:Ergonomics In Automotive Design
9	107103085	NOC:Ergonomics Workplace Analysis
10	107101086	NOC:Innovation by Design
11	107101087	NOC:Understanding Design
12	107101088	NOC:Design, Technology and Innovation
13	107106088	NOC:Fundamentals of Automotive Systems
14	107105088	NOC:Geographic Information System
15	107106089	NOC:Functional and Conceptual Design
16	107106090	NOC:Introduction to Robotics
17	107101091	NOC:Understanding Ethnography
18	107101092	NOC:Understanding Incubation and Entrepreneurship
19	107103093	NOC:Ergonomics Research Techniques

Electrical Engineering (206 Video Courses)

1	108101002	Nonlinear Dynamical Systems
2	108101004	Power System Dynamics and Control
3	108101037	Control Engineering (Prof. S.D. Agashe)
4	108101038	Power Electronics
5	108102042	Circuit Theory
6	108102043	Control Engineering (Prof. M. Gopal)
7	108102045	Embedded Systems
8	108102047	Power System Generation, Transmission and Distribution
9	108102080	Power System Dynamics
10	108103007	Advanced Control Systems
11	108104011	Advanced Electric Drives

12	108104013	High Voltage DC Transmission
13	108104049	Intelligent Systems and Control
14	108104052	Power Systems Operation and Control
15	108105017	Electrical Machines - I
16	108105019	Optimal Control
17	108105054	Chaos, Fractals and Dynamic Systems
18	108105055	Digital Signal Processing
19	108105056	Dynamics of Physical Systems
20	108105058	Energy Resources and Technology
21	108105059	Estimation of Signals and Systems
22	108105060	Illumination Engineering
23	108105062	Industrial Automation and Control
24	108105064	Industrial Instrumentation
25	108105065	Networks Signals and Systems
26	108105067	Power System Analysis
27	108106023	Modelling and Analysis of Electric Machines
28	108106068	Analog ICs
29	108106069	Digital Integrated Circuits
30	108106073	Electromagnetic Fields
31	108106075	Networks and Systems
32	108106083	Probability Foundation for Electrical Engineers
33	108108031	An Introduction to Electronics Systems Packaging
34	108108034	Power Electronics and Distributed Generation
35	108108035	Pulse width Modulation for Power Electronic Converters
36	108108036	Switched Mode Power Conversion
37	108108076	Basic Electrical Technology
38	108108077	Industrial Drives - Power Electronics
39	108106084	NOC:Analog Circuits
40	108106085	NOC:Introduction to Non Linear Dynamics

41	108105088	NOC:Industrial Automation and Control
42	108104087	NOC:Electromagnetic Theory
43	108101089	Fabrication of Silicon VLSI Circuits using the MOS technology
44	108101090	NOC:Computational Electromagnetics and Applications
45	108101092	NOC:Antennas
46	108101094	NOC:Analog Circuits
47	108101093	NOC:Fundamentals of Wavelets, Filter Banks and Time Frequency Analysis
48	108101091	NOC:Basic Electronics
49	108104092	NOC:An Introduction to Coding Theory
50	108102095	Analog Electronic Circuits
51	108102096	Digital Communication
52	108102097	Introduction To Electronic Circuits
53	108105091	NOC:Medical Image Analysis
54	108104091	NOC:Principles of Communication - Part I
55	108107098	NOC:Optimal Control
56	108106098	NOC:Control Engineering
57	108104098	NOC:Principles of Communication Systems - Part II
58	108104099	NOC:Applied Engineering Electromagnetics
59	108108098	NOC:Design for Internet of Things
60	108108099	NOC:Advances in UHV Transmission and Distribution
61	108103108	NOC:Optimization Techniques for Digital VLSI Design
62	108108110	NOC:Electronics Enclosures Thermal Issues
63	108106106	NOC:Probability Foundations for Electrical Engineers
64	108105104	NOC:Power System Engineering
65	108104100	NOC:Principles of Signals and Systems
66	108105103	NOC:Deep Learning for Visual Computing
67	108105101	NOC:Biomedical Signal Processing
68	108105102	NOC:Microprocessors and Microcontrollers
69	108108109	NOC:Mathematical Methods and Techniques in Signal Processing

70	108108111	NOC:Integrated Circuits, MOSFETs, Op-Amps and their Applications
71	108101112	NOC:Microwave Theory and Techniques
72	108101113	NOC:Principles of Digital Communications
73	108102112	NOC:Analog Electronic Circuit
74	108102113	NOC:Nonlinear and Adaptive Control
75	108103112	NOC:Advanced Topics in Probability and Random Processes
76	108104112	NOC:Applied Optimization for Wireless, Machine Learning, Big Data
77	108104113	NOC:Fiber-Optic Communication Systems and Techniques
78	108105112	NOC:Fundamentals of Electrical Engineering
79	108105113	NOC:Digital Circuits
80	108105114	NOC:Analysis and Design Principles of Microwave Antennas
81	108105118	NOC:Architectural Design of Digital Integrated Circuits
82	108107112	NOC:Electrical Distribution System Analysis
83	108107113	NOC:Introduction to Smart Grid
84	108107114	NOC:FACTS Devices
85	108107115	NOC:Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink
86	108108112	NOC:Semiconductor Devices and Circuits
87	108108113	NOC:Fabrication Techniques for MEMS-based Sensors: Clinical Perspective
88	108108114	NOC:Op-Amp Practical Applications:Design,Simulation and Implementation
89	108108115	NOC:Physical Modelling for Electronics Enclosures using Rapid Prototyping
90	108108116	NOC:Recent Advances in Transmission Insulators
91	108102117	NOC:Information Theory, Coding and Cryptography
92	108101126	NOC:Fundamental of Power Electronics
93	108102120	NOC:Principles of Digital Communications
94	108102121	NOC:Electric Vehicles - Part 1
95	108104130	NOC:Electromagnetic Waves in Guided and Wireless Media
96	108105131	NOC:Electrical Machines-II
97	108105132	NOC:Digital Electronic Circuits

98	108105133	NOC:Power System Dynamics, Control and Monitoring
99	108105134	NOC:Evolution of Air Interface towards 5G
100	108106135	NOC:Introduction to Photonics
101	108106136	NOC:Multirate DSP
102	108106137	NOC:LDPC and Polar Codes in 5G Standard
103	108106138	NOC:Electromagnetic Compatibility, EMC
104	108107127	NOC:Computer Aided Power System Analysis
105	108107128	NOC:Advance Power Electronics and Control
106	108107129	NOC:CMOS Digital VLSI Design
107	108108122	NOC:Fundamentals of Semiconductor Devices
108	108108123	NOC:Advanced IOT Applications
109	108108124	NOC:Electronic Systems for Cancer Diagnosis
110	108108125	NOC:Electronic Modules for Industrial Applications using Op-Amps
111	108108148	NOC:Neural Networks for Signal Processing – I
112	108102145	NOC:Power Electronics
113	108102146	NOC:Electrical Machines
114	108103141	NOC:Microwave Engineering
115	108104139	NOC:Basic Electric Circuits
116	108104140	NOC:Fundamentals of Electric Drives
117	108105153	NOC:Electrical Measurement and Electronic Instruments
118	108105154	NOC:Principles and Techniques of Modern Radar Systems
119	108105155	NOC:Electrical Machines - I
120	108106149	NOC:Mapping Signal Processing Algorithms to Architectures
121	108106150	NOC:Linear System Theory
122	108106151	NOC:Digital Signal Processing
123	108106152	NOC:Computational Electromagnetics
124	108107142	NOC:Microelectronics: Devices to Circuits
125	108107143	NOC:DC Microgrid
126	108108147	NOC:Sensors and Actuators

127	108102119	Engineering Electromagnetics
128	108106165	NOC:A Brief Introduction of Micro-Sensors
129	108105158	NOC:Analog Electronic Circuits
130	108106160	NOC:DC Power Transmission Systems
131	108106158	NOC:Digital IC Design
132	108108157	NOC:Electronics Equipment Integration and Prototype Building
133	108104157	NOC:Fuzzy Sets, Logic and Systems and Applications
134	108102157	NOC:High Power Multilevel Converters - Analysis, Design and Operational Issues
135	108106164	NOC:Linear Dynamical Systems
136	108103157	NOC:Microprocessors and Interfacing
137	108105159	NOC:Network Analysis
138	108106162	NOC:Nonlinear System Analysis
139	108106161	NOC:Optical Engineering
140	108106159	NOC:Power Management Integrated Circuits
141	108107157	NOC:Power Quality Improvement Technique
142	108106163	NOC:Signals and Systems
143	108103158	NOC:Statistical Signal Processing
144	108106157	NOC:Transmission Lines and Electromagnetic Waves
145	108105157	NOC:VLSI Signal Processing
146	108102156	Special Electromechanical Systems
147	108108166	NOC:Design and Simulation of Power conversion using open source tools
148	108101167	NOC:Electrical Equipment and Machines: Finite Element Analysis
149	108106167	NOC:Fiber Optic Communication Technology
150	108106168	NOC:Image Signal Processing
151	108108168	NOC:Information Theory
152	108102169	NOC:Introduction to Embedded System Design
153	108108167	NOC:Introductory Neuroscience and Neuro-Instrumentation
154	108104167	NOC:Peer to Peer Networks
155	108105167	NOC:Power System Protection

156	108107167	NOC:Power System Protection and Switchgear
157	108106170	NOC:Fundamentals of Electric Vehicles: Technology and Economics
158	108106171	NOC:Applied Linear Algebra
159	108106172	NOC:Basic Electrical Circuits
160	108106173	NOC:Optical Fiber Sensors
161	108101174	NOC:Digital Signal Processing and its Applications
162	108103174	NOC:Computer Vision and Image Processing - Fundamentals and Applications
163	108104174	NOC:Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning
164	108106174	NOC:Introduction to Time - Varying Electrical Networks
165	108106177	NOC:Digital System Design
166	108108174	NOC:Photonic Integrated Circuit
167	108102179	NOC:Power Quality
168	108103179	NOC:System Design through VERILOG
169	108105179	NOC:Signal Processing for mm Wave communication for 5G and beyond
170	108105180	NOC:Control and Tuning Methods in Switched Mode Power Converters
171	108105181	NOC:Advanced Microwave Guided-Structures and Analysis
172	108106179	NOC:Stochastic Modeling and the Theory of Queues
173	108106180	NOC:Integrated Photonics Devices and Circuits
174	108106181	NOC:Introduction to Semiconductor Devices
175	108108179	NOC:Design for Internet of Things
176	108108180	NOC:Mathematical Aspects of Biomedical Electronic System Design
177	108108181	NOC:Concentration Inequalities
178	108106182	NOC:Electric Vehicles and Renewable Energy
179	108103183	NOC:Usability Engineering
180	108101185	NOC:Stochastic Control and Communication
181	108102185	NOC:Introduction to Electrical Engineering
182	108103185	NOC:Probability and Random Processes
183	108105185	NOC:Cognition and its Computation
184	108105186	NOC:Digital Control in Switched Mode Power Converters and FPGA-based Prototyping

185	108105187	NOC:VLSI Interconnects
186	108106184	Phase-locked loops
187	108106186	NOC:Fundamentals of Nano and Quantum Photonics
188	108108185	NOC:Real-Time Digital Signal Processing
189	108105188	NOC:Semiconductor Device Modeling and Simulation
190	108105189	NOC:RF and Microwave Networks
191	108106188	NOC:Analog Electronic Circuits (IITM)
192	108106189	NOC:Modern Computer Vision
193	108106190	NOC:Optical Wireless Communications for Beyond 5G Networks and IoT
194	108108188	NOC:Advanced Neural Science for Engineers
195	108102191	NOC:Transducers for Instrumentation
196	108103191	NOC:Simulation of Communication Systems using Matlab
197	108103192	NOC:Machine Learning and Deep Learning - Fundamentals and Applications
198	108104191	NOC:Economic Operations and Control of Power Systems
199	108104192	NOC:Digital Switching
200	108104193	NOC:Analog VLSI Design
201	108105191	NOC:Introduction to Adaptive Signal Processing
202	108105192	NOC:Nanobiophotonics: Touching Our Daily Life
203	108106191	NOC:VLSI Design Flow: RTL to GDS
204	108106192	NOC:Fundamentals of Wireless Communication (Hindi)
205	108106193	NOC:Sensor Technologies: Physics, Fabrication, and Circuits
206	108108191	NOC:Design of Electric Motors

Humanities and Social Sciences (210 Video Courses)

1	109101004	Contemporary Issues in Philosophy of Mind and Cognition
2	109101017	Understanding Creativity and Creative Writing
3	109103019	Cultural Studies
4	109103020	English Language and Literature

5	109103021	Game Theory and Economics
6	109104031	Communication Skills
7	109104035	International Economics
8	109104040	Introduction to Logic
9	109104045	Population and Society
10	109104073	Macro Economics
11	109104074	Introduction to Sociology
12	109104076	Money and Banking
13	109104081	Human Adjustment Processes
14	109104082	Selected Topics in Psychology
15	109104088	NOC:Elements of Visual Representation
16	109106052	Aspects of Western Philosophy
17	109106053	Contemporary Literature
18	109106058	History of Economic Theory
19	109106059	Indian Philosophy
20	109106067	Better Spoken English
21	109106079	Introduction to Film Studies
22	109106080	Introduction to Modern Linguistics
23	109106083	Principles and Parameters in Natural Language
24	109106084	NOC:Literary Criticism and Literary Theory
25	109106085	NOC:Language and Mind
26	109106086	NOC:Film Appreciation
27	109106087	NOC:Appreciating Carnatic Music
28	109106089	NOC:Infrastructure Economics
29	109104090	NOC:Practical English: Learning and Teaching
30	109106091	NOC:Language and Society
31	109104093	NOC:Brief introduction to Psychology
32	109106092	NOC:Issues in Bioethics
33	109106094	NOC:Technical English for Engineers

34	109106095	NOC:Health Research Fundamentals
35	109104032	Ethics
36	109105098	NOC:Legal Compliance for Incorporating Startup
37	109105097	NOC:Technology Transfer through Joint Venture
38	109104096	NOC:Psychiatry:An overview
39	109105111	NOC:Symbolic Logic
40	109105110	NOC:Soft Skill Development
41	109105113	NOC:Globalization and Culture
42	109104107	NOC:Developing Soft Skills and Personality
43	109104106	NOC:Folk and Minor Art in India
44	109104105	NOC:Introduction to Psychology
45	109104108	NOC:How the Brain Creates Mind
46	109104102	NOC:Introduction to Indian Art - An appreciation
47	109104109	NOC:Understanding Design Thinking and People Centered Design
48	109104104	NOC:Probability and Stochastic for Finance II
49	109104103	NOC:Basic Concepts of Modal Logic
50	109106099	NOC:American Literature and Culture
51	109103101	NOC:Digital Human Modeling and Simulation for Virtual Ergonomics Evaluation
52	109106114	NOC:Applied Linguistics
53	109106100	NOC:Economics of IPR
54	109105112	NOC:Introduction on Intellectual Property to Engineers and Technologists
55	109107115	NOC:Time value of money-Concepts and Calculations
56	109107119	NOC:Depreciation, Alternate Investment and Profitability Analysis
57	109104116	NOC:Postcolonial Literature
58	109105116	NOC:Emotional Intelligence
59	109104117	NOC:Introducing Modern Western Art: Movements and Artists
60	109104115	NOC:Enhancing Soft Skills and Personality
61	109105118	NOC:Great Experiments in Psychology
62	109106117	NOC:Ethics

63	109105115	NOC:Qualitative Research Methods
64	109106120	NOC:The Renaissance and Shakespeare
65	109106116	NOC:English Language for Competitive Exams
66	109105117	NOC:Speaking Effectively
67	109107121	NOC:Soft Skills
68	109106122	NOC:Literature for Competitive Exams
69	109104121	NOC:Cognition, Transformation and Lives
70	109104122	NOC:Visual Perception and Art: A Survey Across the Cultures
71	109104123	NOC:Introduction to Basic Cognitive Processes
72	109104124	NOC:Calculus of One Real Variable
73	109103121	NOC:Science, Technology and Society
74	109103122	NOC:Gender and Literature
75	109103123	NOC:Ecology and Society
76	109106124	NOC:History of English Language and Literature
77	109105121	NOC:Human Resource Development
78	109105122	NOC:Educational Leadership
79	109107131	NOC:Sociology of Science
80	109107132	NOC:Perspectives on Neurolinguistic
81	109106128	NOC:Patent Drafting for Beginners
82	109106129	NOC:Business English Communication
83	109105127	NOC:Strategic Performance Management
84	109106130	NOC:Postmodernism in Literature
85	109104126	NOC:Introduction to Advanced Cognitive Processes
86	109104125	NOC:An Introduction to Microeconomics
87	109103133	NOC:Sociological Perspectives on Modernity
88	109103134	NOC:Introduction to Cognitive Psychology
89	109103135	NOC:Introduction to Modern Indian Political Thought
90	109103136	NOC:Consumer Psychology
91	109104135	NOC:Introduction to Literary Theory

92	109104136	NOC:Development of Sociology in India
93	109105135	NOC:Introduction to Basic Spoken Sanskrit
94	109105136	NOC:Water, Society and Sustainability
95	109106135	NOC:Indian Fiction in English
96	109106136	NOC:Introduction to Cultural Studies
97	109106137	NOC:Intellectual Property
98	109106138	NOC:Short Fiction in Indian Literature
99	109103140	NOC:Introduction to Modern Indian Drama
100	109103141	NOC:Introduction to Political Theory
101	109103142	NOC:Human Behaviour
102	109104143	NOC:Introduction to the Pyschology of Language
103	109105144	NOC:Employment Communication A Lab based course
104	109106145	NOC:The Nineteenth-Century English Novel
105	109106146	NOC:Feminist Writings
106	109106147	NOC:Introduction to World Literature
107	109106148	NOC:Managing Intellectual Property in Universities
108	109106149	NOC:English Literature of the Romantic Period, 1798-1832
109	109107139	NOC:Literature, Culture and Media
110	109106170	Introduction to Film Studies (2019)
111	109102156	NOC:Text, Texuality and Digital Media
112	109102157	NOC:Positive Psychology
113	109103152	NOC:The Psychology of Language
114	109103153	NOC:Development Research Methods
115	109104150	NOC:Population Studies
116	109104151	NOC:Psychology of Everyday
117	109105169	NOC:Intermediate Level of Spoken Sanskrit
118	109106159	NOC:Appreciating Linguistics: A Typological Approach
119	109106160	NOC:Inclusion and Technology Design
120	109106161	NOC:Energy Economics and Policy

121	109106163	NOC:The Victorian Gothic Short Story
122	109106165	NOC:German-II
123	109106166	NOC:German-I
124	109106168	NOC:Disability Studies: An Introduction
125	109107154	NOC:Body language: Key to professional Success
126	109107155	NOC:Interpersonal Skills
127	109108158	NOC:Artistic Exploration in Scientific Research and Technology
128	109107172	NOC:Effective Writing
129	109101171	NOC:Energy Resources, Economics and Environment
130	109106175	NOC:Feminism: Concepts and Theories
131	109103171	NOC:Indian Business History
132	109104171	NOC:Introduction to Brain and Behaviour
133	109107171	NOC:Introduction to Environmental Economics
134	109106174	NOC:Introduction to Political Ideologies: Contexts, Ideas and Practices
135	109106171	NOC:Literary Criticism (From Plato to Leavis)
136	109106173	NOC:Modern Indian Writing in Translation
137	109107173	NOC:Strategic Trade and Protectionism - Theories and Empirics
138	109106172	NOC:Twentieth Century Fiction
139	109106180	NOC:Classical Sociological Theory
140	109105176	NOC:Entrepreneurship and IP strategy
141	109103176	NOC:Introduction to Western Political Thought
142	109104176	NOC:Modern Indian Art From the Colonial Period to the Present
143	109106176	NOC:Poetry
144	109106177	NOC:The Popular Gothic Novel
145	109104181	NOC:Introduction to Japanese Language and Culture
146	109103182	NOC:Psychology of Stress, Health and Well-being
147	109103183	NOC:Phonetics and Phonology: A Broad Overview
148	109103184	NOC:Philosophical Foundations of Social Research
149	109104182	NOC:Applied Statistics and Econometrics

150	109104183	NOC:Literature and Coping Skills
151	109104184	NOC:Indian Economy: Some Contemporary Perspectives
152	109106182	NOC:Basics of Language Science
153	109106183	NOC:Globalization: Theoretical Perspectives
154	109106184	NOC:Towards an Ethical Digital Society: From Theory to Practice
155	109107182	NOC:Handling Large Scale Unit Level Data Using STATA
156	109103185	NOC:Sociology of Development
157	109103186	NOC:Environment and Development
158	109103187	NOC:Introduction to Market Structures
159	109103188	NOC:Mathematics for Economics - I
160	109105185	NOC:Urbanization and Environment
161	109106185	NOC:Literary and Cultural Disability Studies: An Exploration
162	109106186	NOC:Trauma and Literature
163	109106187	NOC:Twentieth Century American Drama
164	109106188	NOC:Fundamental Concepts in Sociolinguistics
165	109101189	NOC:Introduction to Paninian Grammar
166	109103189	NOC:Language, Culture and Cognition: An Introduction
167	109105189	NOC:Advanced Level of Spoken Sanskrit
168	109105190	NOC:Education for Sustainable Development
169	109105191	NOC:Elements of Literature and Creative Communication
170	109105192	NOC:Training and Development
171	109106189	NOC:Literature and Life
172	109106190	NOC:German - III
173	109106191	NOC:Appreciating Hindustani Music
174	109107189	NOC:Indian Poetry in English
175	109107190	NOC:Exploring Survey Data on Health Care
176	109107191	NOC:Contextualizing Gender
177	109104194	NOC:Japani Bhasha - Saral Swaroop
178	109101195	NOC:Sandhi in Paninian Grammar

179	109104195	NOC:Introduction to Japanese Language and Culture-II
180	109104196	NOC:Indian Art: Materials, Techniques and Artistic Practices
181	109104197	NOC:प्रमुख हिंदी कहानियाँ और भारतीय समाज
182	109105195	NOC:Sociology and Resource Management
183	109105196	NOC:Urban Sociology
184	109105197	NOC:Management of Fixed Income Securities
185	109106195	NOC:An Introduction to Indian Literary Theory
186	109107195	NOC:Public Speaking
187	109107196	NOC:Partition of India in Print Media and Cinema
188	109101198	NOC:समास Samāsa in Pāṇinian Grammar-I
189	109103198	NOC:Bilingualism: A Cognitive and Psycholinguistic Perspective
190	109104198	NOC:Computer Aided Decision Systems - Industrial Practices using Big Analytics
191	109105198	NOC:Petroleum Economics and Management
192	109105199	NOC:The Science of Happiness and Wellbeing
193	109106198	NOC:Host-Pathogen Interaction (Immunology)
194	109106199	NOC:Indian Feminisms: Concepts and Issues
195	109106200	NOC:United Nations Sustainable Development Goals
196	109106201	NOC:Learning English in Hindi
197	109107198	NOC:Narrative Mode and Fiction
198	109107199	NOC:Group Dynamics
199	109101203	NOC:समास Samāsa in Pāṇinian Grammar - II
200	109104203	NOC:Introductory Rural Sociology: Continuity and Change
201	109104204	NOC:Threads of Visual Exploration: Textiles and Allied Practices
202	109104206	NOC:Moral Thinking: An Introduction to Values and Ethics
203	109105203	NOC:Environmental Science
204	109105204	NOC:Psychology of Learning
205	109105205	NOC:Introduction to Language and Linguistics
206	109106203	NOC:Social History of Medicine in Colonial India
207	109106204	NOC:Indian Society: Sociological Perspectives

208	109107203	NOC:Countering Stage Fright
209	109107204	NOC:Advance Course in Social Psychology
210	109107205	NOC:Performative Gender and Religions in South Asia

Management (167 Video Courses)

1	110101003	Managerial Accounting
2	110101005	Managerial Economics
3	110102016	Organisation Management
4	110102058	Organisation of Engineering Systems and Human Resources Management
5	110104055	Strategic Marketing - Contemporary Issues
6	110104063	NOC:Strategy: An Introduction to game Theory
7	110105030	Econometric Modelling
8	110105033	Organizational Behaviour
9	110105035	Security Analysis and Portfolio Management
10	110105039	Six Sigma
11	110105052	International Business Communication
12	110105054	Consumer Behaviour
13	110105057	International Finance
14	110105060	Applied Multivariate Statistical Modeling
15	110106043	Infrastructure Finance
16	110106044	Manufacturing Systems Management
17	110106045	Operations and Supply Chain Management
18	110106050	Business Analysis for Engineers
19	110106062	NOC:Introduction to Operations Research
20	110108047	Strategic Management
21	110108056	Global Supply Chain Management
22	110104066	NOC:Quantitative Finance
23	110104065	NOC:Managing Services

24	110106064	NOC:Introduction to Data Analytics
25	110105067	Economics / Management / Entrepreneurship
26	110105069	NOC:Principles of Human Resource Management
27	110104068	NOC:Marketing Management - I
28	110106072	NOC:Introduction to Data analytics
29	110104070	NOC:Marketing Management - II
30	110105071	NOC:Commodity Derivatives and Risk Management
31	110105073	NOC:Strategic Communication for Sustainable Development
32	110107073	NOC:Financial Statement Analysis and Reporting
33	110105078	NOC:Services Marketing: A Practical Approach
34	110107074	NOC:Supply Chain Analytics
35	110105074	NOC:Consumer Behaviour
36	110105076	NOC:Knowledge Management
37	110105079	NOC:Business Ethics
38	110105075	NOC:Foundation Course in Managerial Economics
39	110104074	NOC:Systems Engineering: Theory and Practice
40	110104073	NOC:Project Management
41	110106081	NOC:Patent Law for Engineers and Scientists
42	110107080	NOC:Marketing Research and Analysis
43	110107081	NOC:Project Management for Managers
44	110104080	NOC:Total Quality Management - I
45	110105080	NOC:Gender Justice and Workplace Security
46	110105081	NOC:Corporate Social Responsibility
47	110105082	NOC:Decision Modeling
48	110105083	NOC:E-Business
49	110105091	NOC:Research Writing
50	110104084	NOC:Management of New Products and Services
51	110104085	NOC:Total Quality Management-II
52	110104086	NOC:Practitioners Course In Descriptive,Predictive and Prescriptive Analytics

53	110105088	NOC:Quality Design and Control
54	110105087	NOC:Design and Analysis of Experiments
55	110105089	NOC:Business Analytics for Management Decision
56	110107092	NOC:Business Analytics and Data Mining Modeling using R
57	110105090	NOC:Soft Skills for Business Negotiations and Marketing Strategies
58	110103093	NOC:Economic Growth and Development
59	110104093	NOC:Microeconomics: Theory and Applications
60	110104094	NOC:Data Analysis and Decision Making-I
61	110104095	NOC:Economics of Health and Health Care
62	110104096	NOC:Simulation of Business Systems: An Applied Approach
63	110105093	NOC:Engineering Econometrics
64	110105094	NOC:Industrial Safety Engineering
65	110105095	NOC:Management of Inventory Systems
66	110105096	NOC:Selected Topics in Decision Modeling
67	110105097	NOC:Ethics in Engineering Practice
68	110107093	NOC:Working Capital Management
69	110107094	NOC:Innovation, Business Models and Entrepreneurship
70	110107095	NOC:Business Analytics and Data Mining Modeling Using R - Part II
71	110104117	NOC:Management of Field Sales
72	110104118	NOC:Data Analysis and Decision Making-II
73	110104119	NOC:Advanced Green Manufacturing Systems
74	110105120	NOC:Managing Change in Organizations
75	110105121	NOC:Financial Institutions and Markets
76	110105122	NOC:Sales and Distribution Management
77	110105123	NOC:Six Sigma
78	110106124	NOC:Design Thinking - A Primer
79	110107112	NOC:Global Marketing Management
80	110107113	NOC:Marketing Research and Analysis-II
81	110107114	NOC:Business Statistics

82	110107115	NOC:MCDM Techniques Using R
83	110107116	NOC:Manufacturing Strategy
84	110101131	NOC:Financial Accounting
85	110101132	NOC:Cost Accounting
86	110101133	NOC:Game Theory
87	110104125	NOC:Data Analysis and Decision Making - III
88	110105137	NOC:Performance and Reward Management
89	110105138	NOC:The Ethical Corporation
90	110105139	NOC:Intellectual Property Rights and Competition Law
91	110105140	NOC:Patent Search for Engineers and Lawyers
92	110106134	NOC:Decision-Making Under Uncertainty
93	110106135	NOC:Decision making using financial accounting
94	110107126	NOC:Training Of Trainers
95	110107127	NOC:Management Accounting
96	110107128	NOC:Financial Derivatives and Risk Management
97	110107129	NOC:Business Analytics and Text Mining Modeling Using Python
98	110107130	NOC:Toyota Production System
99	110105144	NOC:Behavioral and Personal Finance
100	110106141	NOC:Entrepreneurship
101	110107144	NOC:Financial Management for Managers
102	110108141	NOC:Integrated Marketing Management
103	110101141	NOC:Introduction to Stochastic Processes
104	110101142	NOC:Introduction to System Dynamics Modeling
105	110105143	NOC:Management of Commercial Banking
106	110105142	NOC:Marketing Analytics
107	110105141	NOC:Modelling and Analytics for Supply Chain Management
108	110107141	NOC:Production and Operation Management (Prof. Rajat Agarwal)
109	110107143	NOC:Production and Operation Management (Prof. Santosh Rangnekar)
110	110107142	NOC:Services Marketing: Integrating People, Technology, Strategy

111	110105145	NOC:Customer Relationship Management
112	110105147	NOC:Decision Support System for Managers
113	110106147	NOC:Financial Accounting (IIT Mandi)
114	110107145	NOC:International Business
115	110107147	NOC:Introduction to Marketing Essentials
116	110105148	NOC:Management Information System
117	110106145	NOC:Organizational Behaviour
118	110101146	NOC:Organization Development and Change in 21st Century
119	110107146	NOC:Path Integral Methods in Physics and Finance
120	110105146	NOC:Principles of Management (2020)
121	110106146	NOC:The Future of Manufacturing Business: Role of Additive Manufacturing
122	110101149	NOC:Managerial Economics
123	110101150	NOC:Quality Control and Improvement with MINITAB
124	110106150	NOC:Technology Forecasting for Strategic Decision Making – An Introduction
125	110106151	NOC:Leadership for India Inc: Practical Concepts and Constructs
126	110107150	NOC:Principles of Management (2021)
127	110107151	NOC:Organization Theory-Structure and Design
128	110107152	NOC:Talent Acquisition and Management
129	110101153	NOC:Business and Sustainable Development
130	110105153	NOC:Applied Econometrics
131	110105154	NOC:Organizational Behaviour - II
132	110105155	NOC:Automation in Production Systems and Management
133	110105156	NOC:Corporate Finance
134	110107153	NOC:Econometric Modelling
135	110107154	NOC:Security Analysis and Portfolio Management
136	110105157	NOC:International Marketing
137	110105158	NOC:Retail Management
138	110105159	NOC:Business Law for Managers
139	110105160	NOC:Safety and Risk Analytics

140	110106157	NOC:Strategy and Technology: A Practical Primer
141	110107157	NOC:Decision Making with Spreadsheet
142	110107158	NOC:Integrated Marketing Communication
143	110107159	NOC:Leadership and Team Effectiveness
144	110105161	NOC:Strategic Management for Competitive Advantage
145	110105162	NOC:Human Factors Engineering
146	110107161	NOC:Product and Brand Management
147	110107162	NOC:Quantitative Investment Management
148	110107163	NOC:Strategic Sales Management
149	110108161	NOC:Strategic Management - The Competitive Edge
150	110101164	NOC:Advances in Strategic Human Resource Management
151	110101165	NOC:Yoga and Positive Psychology for Managing Career and Life
152	110104164	NOC:Artificial Intelligence (AI) for Investments
153	110105164	NOC:Organizational Design Change and Transformation
154	110105165	NOC:Mergers, Acquisitions and Corporate Restructuring
155	110105166	NOC:Invest Management
156	110106164	NOC:Business Development: From Start to Scale
157	110106165	NOC:Applied Econometrics
158	110101167	NOC:Business Fundamentals for Entrepreneurs (Part 1: Internal Operation)
159	110104167	NOC:Brand Management
160	110104168	NOC:Advanced Business Decision Support Systems
161	110104169	NOC:Advanced Algorithmic Trading and Portfolio Management
162	110105167	NOC:Project Management: Planning, Execution, Evaluation and Control
163	110105168	NOC:Commodity Derivatives and Risk Management (2023)
164	110106167	NOC:Working in Contemporary Teams
165	110107167	NOC:Retail Marketing Strategy
166	110107168	NOC:Business to Business Marketing
167	110107169	NOC:Designing Work Organization

Mathematics (169 Video Courses)

1	111101003	Elementary Numerical Analysis
2	111101005	Measure and Integration
3	111101080	Mathematics in India - From Vedic Period to Modern Times
4	111102014	Stochastic Processes
5	111103016	Formal Languages and Automata Theory
6	111103070	Complex Analysis
7	111104024	Applied Multivariate Analysis
8	111104025	Calculus of Variations and Integral Equations
9	111104027	Linear programming and Extensions
10	111104068	Convex Optimization
11	111104071	Foundations of Optimization
12	111104079	Probability Theory and Applications
13	111105035	Advanced Engineering Mathematics
14	111105037	Functional Analysis
15	111105038	Numerical methods of Ordinary and Partial Differential Equations
16	111105039	Optimization
17	111105041	Probability and Statistics
18	111105042	Regression Analysis
19	111105043	Statistical Inference
20	111105069	A Basic Course in Real Analysis
21	111106044	An Introduction to Riemann Surfaces and Algebraic Curves: Complex 1-Tori and Elliptic Curves
22	111106051	Linear Algebra
23	111106052	Mathematical Logic
24	111106053	Real Analysis
25	111106083	NOC:An invitation to mathematics
26	111107058	Discrete Mathematics
27	111108066	Advanced Matrix Theory and Linear Algebra for Engineers

28	111108081	Ordinary Differential Equations and Applications
29	111104085	NOC:Basic Calculus for Engineers, Scientists and Economists
30	111105077	Statistical Methods for Scientists and Engineers
31	111106084	Advanced Complex Analysis - Part 1: Zeros of Analytic Functions, Analytic continuation, Monodromy, Hyperbolic Geometry
32	111106086	NOC:Discrete Mathematics
33	111105091	NOC:Applied Multivariate Statistical Modeling
34	111105090	NOC:Probability and Statistics
35	111104089	NOC:Probability and Stochastics for finance
36	111106082	Dynamic Data Assimilation: An Introduction
37	111106094	Advanced Complex Analysis - Part 2: Singularity at Infinity, Infinity as a Value, Compact Spaces of Meromorphic Functions for the Spherical Metric and Spherical Derivative
38	111105093	NOC:Partial Differential Equations (PDE) for Engineers: Solution by Separation of Variables
39	111104092	NOC:Differential Calculus in Several Variables
40	111102096	NOC:Stochastic Processes - 1
41	111104095	NOC:Curves and Surfaces
42	111106097	Basic Algebraic Geometry : Varieties, Morphisms, Local Rings, Function Fields and Nonsingularity
43	111106098	NOC:Introduction to Commutative Algebra
44	111108098	NOC:Linear Algebra
45	111104098	NOC:Linear Regression Analysis and Forecasting
46	111102098	NOC:Stochastic Processes
47	111107098	NOC:Mathematical Methods and its Applications
48	111105098	NOC:Introductory Course in Real Analysis
49	111105099	NOC:Modeling Transport Phenomena of Microparticles
50	111106100	NOC:Differential Equations
51	111107103	NOC:Integral Equations, Calculus of Variations and its Applications
52	111107104	NOC:Nonlinear Programming
53	111107105	NOC:Numerical Methods
54	111101100	NOC:Measure Theory

55	111106101	NOC:Numerical Analysis
56	111104100	NOC:Introduction to R Software
57	111105100	NOC:Constrained and Unconstrained Optimization
58	111106102	NOC:Graph Theory
59	111107107	NOC:Numerical Methods: Finite Difference Approach
60	111101109	NOC:Calculus for Economics,Commerce and Management
61	111107108	NOC:Multivariable Calculus
62	111107106	NOC:Numerical Linear Algebra
63	111102110	NOC:Chaotic Dynamical Systems
64	111102111	NOC:Introduction to Probability Theory and Stochastic Processes
65	111102112	NOC:Statistical Inference
66	111105111	NOC:Matrix Solver
67	111105112	NOC:Introduction to Abstract and Linear Algebra
68	111106111	NOC:Transform Techniques for Engineers
69	111106112	NOC:Introduction to Probability and Statistics
70	111106113	NOC:Introduction to Abstract Group Theory
71	111106114	NOC:Groups: Motion, Symmetry and Puzzles
72	111107111	NOC:Ordinary and Partial Differential Equations and Applications
73	111107112	NOC:Matrix Analysis with Applications
74	111107113	NOC:Mathematical Modelling: Analysis and Applications
75	111101115	NOC:Basic Linear Algebra
76	111101116	NOC:Commutative Algebra
77	111101117	NOC:Galois Theory
78	111104120	NOC:Descriptive Statistics with R Software
79	111105121	NOC:Engineering Mathematics-I
80	111105122	NOC:Integral and Vector Calculus
81	111105123	NOC:Transform Calculus and its applications in Differential Equations
82	111107118	NOC:Dynamical System and Control
83	111107119	NOC:Advanced Engineering Mathematics

84	111105124	NOC:Statistical Inference (2019)
85	111102129	NOC:Integral Transforms and their Applications
86	111102130	NOC:Introduction to Fuzzy Set Theory, Arithmetic and Logic
87	111102133	Introduction to Methods of Applied Mathematics
88	111103126	NOC:Mathematical Finance
89	111104125	NOC:Calculus of Several Real Variables
90	111105132	NOC:Mathematical Methods for Boundary Value Problems
91	111106131	NOC:Introduction To Rings And Fields
92	111107127	NOC:Higher Engineering Mathematics
93	111107128	NOC:Operations Research
94	111102134	NOC:Advanced Probability Theory
95	111108134	NOC:An Introduction to Smooth Manifolds
96	111101134	NOC:Basic Real Analysis
97	111105134	NOC:Engineering Mathematics - II
98	111108136	NOC:Introduction to Algebraic Geometry and Commutative Algebra
99	111106135	NOC:Linear Algebra (Prof. Pranav Haridas)
100	111108135	NOC:Measure Theory (Prof. E. K. Narayanan)
101	111106134	NOC:Probabilistic Methods in PDE
102	111101137	NOC:A Basic Course in Number Theory
103	111106137	NOC:Algebra - I
104	111106141	NOC:Complex Analysis
105	111106138	NOC:Computational Commutative Algebra
106	111104138	NOC:Computational Number Theory and Algebra
107	111107137	NOC:Essential Mathematics for Machine Learning
108	111106139	NOC:Laplace Transform
109	111104137	NOC:Linear Algebra (Prof. A.K. Lal)
110	111103137	NOC:Mathematical Portfolio Theory
111	111106140	NOC:Measure Theory (Prof. Indrava Roy)
112	111102143	NOC:Non-parametric Statistical Inference

113	111106142	NOC:Real Analysis - I
114	111102137	NOC:Scientific Computing using Matlab
115	111101144	NOC:Introduction to Algebraic Topology - Part I
116	111104144	NOC:Basic Calculus 1 and 2
117	111104145	NOC:Advanced Partial Differential Equations
118	111104146	NOC:Essentials of Data Science With R Software 1: Probability and Statistical Inference
119	111104147	NOC:Essentials of Data Science With R Software 2: Sampling Theory and Linear Regression Analysis
120	111106144	NOC:Variational Calculus and its applications in Control Theory and Nanomechanics
121	111106145	NOC:Introduction to Galois Theory
122	111106146	NOC:Basic Calculus 1
123	111106147	NOC:Functional Analysis
124	111106148	NOC:Mathematical Methods in Physics 1
125	111106149	NOC:Computational Mathematics with SageMath
126	111106150	NOC:Introduction to Probability (with examples using R)
127	111106151	NOC:Algebra-II
128	111108144	NOC:First Course on Partial Differential Equations - I
129	111101152	NOC:Introduction to Algebraic Topology - Part II
130	111101153	NOC:Partial Differential Equations
131	111102152	NOC:Matrix Computation and its Applications
132	111104152	NOC:Measure Theoretic Probability 1
133	111106152	NOC:Mathematical Methods in Physics 2
134	111106153	NOC:Real Analysis - II
135	111106154	NOC:Sobolev Spaces and Partial Differential Equations
136	111106155	NOC:Combinatorics
137	111106156	NOC:Our Mathematical Senses
138	111108152	NOC:First Course on Partial Differential Equations - II
139	111108157	Matrix Theory
140	111101158	NOC:An Introduction to Point-Set-Topology - Part I

141	111103158	NOC:Discrete-time Markov Chains and Poission Processes
142	111103159	NOC:Introduction to Queueing Theory
143	111106158	NOC:Algebraic Combinatorics
144	111106159	NOC:An Invitation to Topology
145	111101160	NOC:An Introduction to Point-Set-Topology - Part II
146	111102160	NOC:Introduction to Probability Theory and Statistics
147	111104160	NOC:Foundations of R Software
148	111104161	NOC:Foundations of R Software (In Hindi)
149	111105160	NOC:Advanced Calculus For Engineers
150	111105161	NOC:Rings and Modules
151	111106160	NOC:Operator Theory
152	111106161	NOC:Measure and Integration
153	111106162	NOC:Approximate Reasoning using Fuzzy Set Theory
154	111106163	NOC:Probability-II with Examples Using R
155	111101164	NOC:Fourier Analysis and its Applications
156	111101165	NOC:Numerical Analysis (2023)
157	111104164	NOC:An Introduction to Hyperbolic Geometry
158	111104165	NOC:A Primer to Mathematical Optimization
159	111105164	NOC:Advanced Computational Techniques
160	111105165	NOC:Applied Linear Algebra in AI and ML
161	111105167	NOC:Advanced Engineering Mathematics
162	111106164	NOC:Predictive Analytics - Regression and Classification
163	111107164	NOC:Advanced Linear Algebra
164	111108164	NOC:C* Algebras and Spectral Theorem
165	111101168	NOC:Point Set Topology
166	111104168	NOC:Measure Theoretic Probability 2
167	111105169	NOC:Essentials of Topology
168	111106168	NOC:Introduction to Algebraic Geometry
169	111108168	NOC:Advanced Partial Differential Equations (Part I: Distributions and Sobolev Spaces)

Mechanical Engineering (276 Video Courses)

1	112101002	Convective Heat and Mass Transfer
2	112101004	Cryogenic Engineering
3	112101095	Advanced Strength of Materials
4	112101097	Heat and Mass Transfer
5	112101099	Robotics
6	112102014	Tribology
7	112102101	Computer Aided Design and Manufacturing
8	112102106	Project and Production Management
9	112103023	Nonlinear Vibration
10	112103025	Theory and Practice of Rotor Dynamics
11	112103108	Engineering Mechanics
12	112103112	Mechanical Vibrations
13	112104026	Acoustics
14	112104028	Advanced Machining Processes
15	112104029	Biomicroelectromechanical systems
16	112104031	Computer Aided Engineering Design
17	112104035	Mathematical Methods in Engineering and Science
18	112104114	Dynamics of Machines
19	112104115	Finite Element Method
20	112104121	Kinematics of Machines
21	112104162	Advanced manufacturing process for micro system fabrication
22	112104172	Engineering Drawing
23	112104181	NOC:BioMEMS and Microsystems
24	112105045	Computational Fluid Dynamics (Prof. S. Chakraborty)
25	112105048	Machinery fault diagnosis and signal processing
26	112105051	Solar Energy Technology

27	112105053	Technology of Surface Coating
28	112105055	Vibration of Structures
29	112105123	Basic Thermodynamics
30	112105124	Design of Machine Elements I
31	112105126	Manufacturing Processes II
32	112105128	Refrigeration and Air Conditioning
33	112105171	Fluid Mechanics
34	112105182	Introduction to Fluid Machines and Compressible Flow
35	112105183	Introduction to Fluid Mechanics and Fluid Engineering
36	112106056	Advanced Gas Dynamics
37	112106064	Design and Optimization of Energy systems
38	112106065	Engineering Fracture Mechanics
39	112106068	Experimental Stress Analysis
40	112106073	Rocket Propulsion
41	112106130	Advanced Finite Elements Analysis
42	112106131	Advanced Operations Research
43	112106134	Fundamentals of Operations Research
44	112106135	Introduction to Finite Element Method
45	112106138	Mechanical Measurements and Metrology
46	112106140	Principles of Mechanical Measurements
47	112106154	Spray Theory and Applications (Repurposed)
48	112106155	Conduction And Radiation
49	112106166	Gas Dynamics and Propulsion
50	112106169	Microfluidics
51	112106170	Convective Heat Transfer
52	112106177	Introduction to Explosions and Explosion Safety
53	112106180	NOC:Engineering Mechanics Statics and Dynamics
54	112107078	Advanced Manufacturing Processes
55	112107079	Computational Fluid Dynamics (Dr. K.M. Singh)

56	112107086	Processing of non metals
57	112107087	Vibration control
58	112107089	Welding Engineering
59	112107143	Industrial Engineering
60	112107145	Manufacturing Processes I
61	112107147	Strength of Materials
62	112108092	Micro and Smart Systems
63	112105187	Micro fluidics
64	112106186	NOC:Foundation of Computational Fluid Dynamics
65	112104188	NOC:Manufacturing Systems Technology
66	112104189	NOC:Manufacturing Systems Technology - Part II
67	112105047	Fundamentals of Industrial Oil Hydraulics and Pneumatics
68	112105192	NOC:Conduction and Convection Heat Transfer
69	112105197	NOC:Vibrations of Structures
70	112106190	NOC:Introduction to Boundary Layers
71	112104193	NOC:Basics of Finite Element Analysis
72	112106196	NOC:Fundamentals of Gas Dynamics
73	112104194	NOC:Basics of Noise and Its Measurements
74	112104195	NOC:Manufacturing Process Technology - Part I
75	112106198	NOC:Experimental Stress Analysis:An Overview
76	112108201	NOC:Variational Methods in Mechanics
77	112105206	NOC:Fluid Machines
78	112104203	NOC:Nature and Property of Materials
79	112104204	NOC:Manufacturing Process Technology - II
80	112104205	NOC:Basics of Finite Element Analysis - II
81	112107209	NOC:Engineering Economic Analysis
82	112107208	NOC:Refrigeration and Air-Conditioning
83	112107207	NOC:Two Phase Flow and Heat Transfer
84	112106200	NOC:Fluid Dynamics and Turbomachines

85	112103202	NOC:Advanced Machining Processes
86	112105211	NOC:Computer Numerical Control (CNC) of Machine Tools and Processes
87	112106179	Metrology
88	112107083	Metal Casting
89	112108212	NOC:Heat Transfer and Combustion in Multiphase Systems
90	112108211	NOC:Compliant Mechanisms: Principles and Design
91	112107212	NOC:Introduction to Mechanical Vibration
92	112107216	NOC:Steam and Gas Power Systems
93	112107215	NOC:Principles of Casting Technology
94	112107214	NOC:Modelling and Simulation of Dynamic Systems
95	112107213	NOC:Joining Technologies of Metals
96	112105212	NOC:Non Traditional Abrasive Machining Processes - Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining
97	112107217	NOC:Product Design and Development
98	112107211	NOC:Convective Heat Transfer
99	112105218	NOC:Introduction to Fluid Mechanics
100	112104212	NOC:Fundamentals of Acoustics
101	112104211	NOC:Principles of Vibration Control
102	112104219	NOC:Heat Treatment and Surface Hardening - II
103	112104220	NOC:Phase Transformation in Materials
104	112107219	NOC:Fundamentals of Manufacturing Processes
105	112106222	NOC:Micro and Nano Scale Energy Transport
106	112104221	NOC:Manufacturing of Composites
107	112104222	NOC:Applied Ergonomics
108	112106223	NOC:Electron Diffraction and Imaging
109	112106225	NOC:Acoustic and Noise Control
110	112104225	NOC:Sustainability through Green Manufacturing Systems: An Applied Approach
111	112107220	NOC:Modelling and Simulation of Discrete Event System
112	112107221	NOC:Processing of Polymers and Polymer Composites

113	112106226	NOC:Steel Quality: Role of Secondary Refining and Continuous Casting
114	112106227	NOC:X-ray Crystallography and Diffraction
115	112104227	NOC:Noise Management and Control
116	112105219	NOC:Spur and Helical Gear Cutting
117	112105220	NOC:Laws of Thermodynamics
118	112105221	NOC:Energy Conservation and Waste Heat Recovery
119	112105233	NOC:Metal Cutting and Machine Tools
120	112104230	NOC:Product Design and Manufacturing
121	112106237	NOC:Transport Phenomena in Materials
122	112105234	NOC:Gear and Gear Unit Design: Theory and Practice
123	112105235	NOC:Traditional and Non-Traditional Optimization Tools
124	112104228	NOC:Design Practice
125	112105236	NOC:Mechanism and Robot Kinematics
126	112103244	NOC:Advances in Welding and Joining Technologies
127	112107240	NOC:Automatic Control
128	112107241	NOC:Failure Analysis and Prevention
129	112107242	NOC:Mechanical Measurement System
130	112103245	NOC:Introduction to Machining and Machining Fluids
131	112107238	NOC:Operations Management
132	112104229	NOC:Introduction To Composites
133	112108246	NOC:Convective Heat Transfer (2018)
134	112103243	NOC:Fundamentals of Nuclear Power Generation
135	112105232	NOC:Machinery Fault Diagnosis and Signal Processing
136	112105231	NOC:Introduction to Mechanical Micro Machining
137	112107239	NOC:Theory of Production Processes
138	112106247	NOC:Experimental Stress Analysis: An Overview
139	112102248	NOC:RAC Product Design
140	112103248	NOC:Mechanics of Machining
141	112103249	NOC:Principle of Hydraulic Machines and System Design

142	112103250	NOC:Introduction to Abrasive Machining and Finishing Processes
143	112103251	NOC:Theory of Rectangular Plates - Part I
144	112104248	NOC:Phase Equilibria in Materials-Nature and Properties of Materials-II
145	112104249	NOC:Advanced Composites
146	112104250	NOC:Engineering Metrology
147	112104251	NOC:Smart Materials and Intelligent System Design
148	112104252	NOC:Design Practice-II
149	112105248	NOC:Heat Exchangers: Fundamentals and Design Analysis
150	112105249	NOC:Robotics
151	112106248	NOC:Mechanics of Human Movement
152	112106249	NOC:Design for Quality, Manufacturing and Assembly
153	112106250	NOC:Surrogates and Approximations in Engineering Design
154	112107248	NOC:Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations
155	112107249	NOC:Work System Design
156	112107250	NOC:Principles of Metal Forming Technology
157	112102255	NOC:Thermodynamics
158	112103261	NOC:Principles of Mechanical Measurement
159	112103262	NOC:IC Engines and Gas Turbines
160	112103263	NOC:Fundamental of Welding Science and Technology
161	112103264	NOC:Polymer Assisted Abrasive Finishing Processes
162	112104265	NOC:Rapid Manufacturing
163	112105266	NOC:Concepts of Thermodynamics
164	112105267	NOC:Electronic Packaging and Manufacturing
165	112105268	NOC:Kinematics of Mechanisms and Machines
166	112107256	NOC:Radiative Heat Transfer
167	112107257	NOC:Weldability of Metals
168	112107258	NOC:Manufacturing Guidelines for Product Design
169	112107259	NOC:Inspection and Quality Control in Manufacturing
170	112107260	NOC:Financial Mathematics

171	112105269	NOC:Introduction to Fluid Mechanics (2019)
172	112106270	Theory of Mechanism
173	112102284	NOC:Solid Mechanics
174	112103273	NOC:Mathematical Modeling of Manufacturing Processes
175	112103274	NOC:Two-Phase flow with phase change in conventional and miniature channels
176	112103275	NOC:Applied Thermodynamics For Engineers
177	112103276	NOC:Fundamentals of Conduction and Radiation
178	112103277	NOC:Steam Power Engineering
179	112103278	NOC:Dynamic Behaviour of Materials
180	112103279	NOC:Plastic Working of Metallic Materials
181	112103280	NOC:Fundamentals of Artificial Intelligence
182	112103281	NOC:Aircraft Propulsion
183	112104272	NOC:Turbulent Combustion: Theory and Modelling
184	112104288	NOC:Manufacturing Automation
185	112105287	NOC:Advanced Concepts in Fluid Mechanics
186	112106286	NOC:Engineering Mechanics
187	112107282	NOC:Product Design Using Value Engineering
188	112107283	NOC:Selection of Nanomaterials for Energy Harvesting and Storage Application
189	112108285	NOC:A Short Lecture Series on Contour Integration in the Complex Plane
190	112105254	NOC:Computational Fluid Dynamics
191	112105271	NOC:Conduction and Convection Heat Transfer
192	112106253	NOC:Steel Quality: Role of Secondary Refining and Continuous Casting
193	112107290	NOC:Acoustic Metamaterials
194	112103289	NOC:Computational Fluid Dynamics for Incompressible Flows
195	112104289	NOC:Computer Integrated Manufacturing
196	112103290	NOC:Experimental Methods in Fluid Mechanics
197	112106289	NOC:Foundations of Computational Materials Modelling
198	112106290	NOC:Fundamentals of Combustion for Propulsion
199	112108289	NOC:Introduction to Soft Matter

200	112104290	NOC:Machining Science
201	112107291	NOC:Power Plant Engineering
202	112107292	NOC:Principles of Industrial Engineering
203	112107289	NOC:Robotics and Control: Theory and Practice
204	112103293	NOC:Automation in Manufacturing
205	112106293	NOC:Basics of Materials Engineering
206	112103296	NOC:Computational Continuum Mechanics
207	112106294	NOC:Computational Fluid Dynamics using Finite Volume Method
208	112105294	NOC:Engineering Drawing and Computer Graphics
209	112103295	NOC:Finite Element Method: Variational Methods to Computer Programming
210	112104293	NOC:Foundations of Cognitive Robotics
211	112103294	NOC:Fundamentals of Compressible Flow
212	112103297	NOC:Fundamentals of Convective Heat Transfer
213	112105293	NOC:High Performance Computing for Scientists and Engineers
214	112101298	NOC:Optimization from Fundamentals
215	112102298	NOC:Introduction to Uncertainty Analysis and Experimentation
216	112103298	NOC:Theory of Composite Shells
217	112103299	NOC:Finite Element Modeling of Welding Processes
218	112103300	NOC:Nonlinear Vibration
219	112103301	NOC:Evolutionary Computation for Single and Multi Objective Optimization
220	112103302	NOC:Viscous Fluid Flow
221	112104298	NOC:Introduction to Robotics
222	112104299	NOC:Muffler Acoustics - Application to Automotive Exhaust Noise Control
223	112104300	NOC:Elements of Solar Energy Conversion
224	112104301	NOC:Manufacturing Processes - Casting and Joining
225	112104302	NOC:Computational Fluid Dynamics and Heat Transfer
226	112105299	NOC:Tools in Scientific Computing
227	112106298	NOC:Wheeled Mobile Robots
228	112106299	NOC:Fundamentals of Combustion

229	112106300	NOC:Oil Hydraulics and Pneumatics
230	112107298	NOC:Mechatronics
231	112108298	NOC:Robotics: Basics and Selected Advanced Concepts
232	112106303	Introduction to Turbomachines
233	112101304	NOC:Design of Mechatronic Systems
234	112102304	NOC:Engineering Graphics and Design
235	112103305	NOC:Welding Application Technology
236	112103306	NOC:Fundamentals of Additive Manufacturing Technologies
237	112103307	NOC:Applied Thermodynamics
238	112104304	NOC:Production Technology: Theory and Practice
239	112104305	NOC:Introduction to Turbomachinery
240	112105304	NOC:Advanced Dynamics
241	112105305	NOC:Biomechanics of Joints and Orthopaedic Implants
242	112105306	NOC:Elements of Metal Cutting, Machine tools, Gear Cutting and CNC Machining
243	112106304	NOC:Mechanics and Control of Robotic Manipulators
244	112103308	NOC:Mechanics of Fiber Reinforced Polymer Composite Structures
245	112104308	NOC:Robot Motion Planning
246	112105308	NOC:Finite Element Method
247	112108308	NOC:Sound and Structural Vibration
248	112106309	Inverse Methods in Heat Transfer
249	112106310	Engineering Thermodynamics (2022)
250	112106311	Applied Mechanics - Fluid Mechanics Laboratory
251	112101312	NOC:Nonlinear Adaptive Control
252	112103312	NOC:Laser Based Manufacturing
253	112103313	NOC:Advanced Thermodynamics and Combustion
254	112104312	NOC:Metal Additive Manufacturing
255	112104313	NOC:Conduction and Convection: Fundamentals and Applications
256	112106312	NOC:Interfacial Fluid Mechanics
257	112106314	Applied Thermodynamics

258	112108312	NOC:Vibrations of Plates and Shells
259	112108313	NOC:Dynamics and Control of Mechanical Systems
260	112102316	NOC:Ideal Fluid Flows using Complex Analysis
261	112103316	NOC:Thermal Engineering: Basic and Applied
262	112104316	NOC:Advanced Robotics
263	112105316	NOC:Product Engineering and Design Thinking
264	112106316	NOC:Inverse Methods in Heat Transfer
265	112108316	NOC:Optical Methods for Solid and Fluid Mechanics
266	112108317	NOC:Statistical Thermodynamics for Engineers
267	112102318	NOC:Experimental Modal Analysis
268	112102319	NOC:Mechanical Behavior of Polymers and Composites
269	112104318	NOC:Applied Numerical Methods
270	112104319	NOC:Social Innovation in Industry 4.0
271	112105318	NOC:Microfluidics and Nanofluidics
272	112105319	NOC:Industrial Robotics: Theories for Implementation
273	112106318	NOC:Sustainable Energy Technology
274	112106319	NOC:Strength of Materials - IITM
275	112106320	NOC:Engineering Thermodynamics
276	112106321	NOC:Theory of Fire Propagation (Fire Dynamics)

Metallurgy and Material Science (87 Video Courses)

1	113104006	Electroceramics
2	113104008	Fuels Refractory and Furnaces
3	113104009	Introduction to Biomaterials
4	113104010	Materials and Energy balance in Metallurgical Processes
5	113104012	Optoelectronic Materials and Devices
6	113104013	Steel Making
7	113104014	Structure of Materials

8	113104061	Environmental Degradation of Materials
9	113105015	Advanced ceramics for strategic applications
10	113105021	Non-ferrous Extractive Metallurgy
11	113105024	Principles of Physical Metallurgy
12	113105025	Processing of Semiconducting Materials
13	113105028	Science and Technology of Polymers
14	113105057	Advanced Materials and Processes
15	113106031	Advanced Metallurgical Thermodynamics
16	113106039	Physics of Materials
17	113106062	Electronic Materials, Devices and Fabrication
18	113106065	NOC:Fundamentals of Electronic Materials and Devices
19	113106066	NOC:Introduction to Reciprocal Space and its use in Solids
20	113106067	NOC:Analysis and Modeling of Welding
21	113106064	NOC:Fundamentals of optical and scanning electron microscopy
22	113104068	NOC:Phase Diagrams in Materials Science and Engineering
23	113104004	Advanced Characterization Techniques
24	113106034	Materials Characterization
25	113108071	NOC:Biomaterials for Bone Tissue Engineering Applications
26	113104073	NOC:Fundamentals of Material Processing - I
27	113104074	NOC:Heat Treatment and Surface Hardening - I
28	113101072	NOC:Phase Field Modelling: The Materials Science, Mathematics and Computational Aspects
29	113103072	NOC:Introduction to Crystal Elasticity and Crystal Plasticity
30	113106070	NOC:Theory and Practice of Non Destructive Testing
31	113107075	NOC:Surface Engineering of Nanomaterials
32	113106075	NOC:Defects in Materials
33	113104075	NOC:Fundamentals of Material Processing - Part 2
34	113108079	NOC:Iron Making
35	113102080	NOC:Introduction to Materials Science and Engineering
36	113107078	NOC:Material Science and Engineering

37	113105077	NOC:Principles of Polymer Synthesis
38	113104076	NOC:Nature and Properties Of Materials - An Introductory Course
39	113104081	NOC:Defects in Crystalline Solids - Part I
40	113104082	NOC:Corrosion - Part I
41	113105081	NOC:Advanced Materials and Processes
42	113106081	NOC:Elementary Stereology for Quantitative Metallography
43	113106082	NOC:Welding of Advanced High Strength Steels for Automotive Applications
44	113107081	NOC:Structural Analysis of Nanomaterials
45	113104084	NOC:Solar Photovoltaics: Principles, Technologies and Material
46	113104085	NOC:Defects in Crystalline Solids - Part II
47	113105086	NOC:Surface Engineering for Corrosion and Wear Resistance Application
48	113106087	NOC:Welding Processes
49	113106088	NOC:Creep Deformation of Materials
50	113108083	NOC:Friction and Wear of Materials: Principles and Case Studies
51	113104089	NOC:Corrosion - Part II
52	113104090	NOC:Fundamentals and Applications of Dielectric Ceramics
53	113106093	NOC:Nanotechnology, Science and Applications
54	113107091	NOC:Thermo-Mechanical and Thermo-Chemical Processes
55	113107092	NOC:Welding Metallurgy
56	113101096	NOC:Dealing with Materials Data:Collection, Analysis and Interpretation
57	113104097	NOC:Diffusion in Multicomponent Solids (2020.S1)
58	113107096	NOC:Modeling of Tundish Steelmaking Process in Continuous Casting
59	113104096	NOC:Properties of Materials (Nature and Properties of Materials-III)
60	113106069	NOC:Fundamentals of X-ray Diffraction and Transmission Electron Microscopy
61	113101098	NOC:Aqueous Corrosion and its Control
62	113105098	NOC:Ironmaking and Steelmaking
63	113106098	NOC:Powder Metallurgy
64	113101099	NOC:Cathodic Protection Engineering
65	113105099	NOC:Non-Metallic Materials

66	113105100	NOC:Scanning Electron/Ion/Probe Microscopy in Materials Characterization
67	113106099	NOC:Carbon Materials and Manufacturing
68	113104101	NOC:Corrosion Failures and Analysis
69	113104102	NOC:Nanomaterials and their Properties
70	113105101	NOC:Techniques of Material Characterization
71	113105102	NOC:Electrochemical Energy Storage
72	113105103	NOC:Texture in Materials
73	113106101	NOC:Mechanical Behavior of Materials
74	113104104	NOC:Mechanical Behaviour of Materials - Part I
75	113105104	NOC:Bulk Material Transport and Handling Systems
76	113104105	NOC:Mechanical Behaviour of Materials - Part II
77	113104106	NOC:Electronic Properties of the Materials: Computational Approach
78	113105105	NOC:Environmental Degradation and Surface Engineering
79	113105106	NOC:Fracture, Fatigue and Failure of Materials
80	113105107	NOC:Mine Closure and Sustainability Planning
81	113106105	NOC:Aluminium based Alloys and Metal Matrix Composites
82	113106106	NOC:Welding Science and Technology (In Tamil)
83	113102108	NOC:Crystals, Symmetry and Tensors
84	113104108	NOC:Corrosion Protection Methods
85	113102109	NOC:Corrosion/Environmental Degradation/Surface Engineering
86	113105109	NOC:Fundamentals of Composite and Cellular Materials
87	113106109	NOC:Thermodynamics and Kinetics of Materials

Ocean Engineering (29 Video Courses)

1	114105002	Elements of Ocean Engineering
2	114105003	Hydrostatics and Stability
3	114105004	Marine Construction and Welding
4	114105005	Marine Hydrodynamics

5	114105006	Seakeeping and Manoeuvring
6	114105029	Applied Thermodynamics for Marine Systems
7	114105030	Performance of Marine Vehicles at Sea
8	114105031	Strength and Vibration of Marine Structures
9	114106011	Design of Offshore Structures
10	114106015	Foundation for Offshore Structures
11	114106017	Health, Safety and Environmental Management in Petroleum and Offshore Engineering
12	114106025	Port and Harbour Structures
13	114106026	Ship Resistance and Propulsion
14	114106032	Coastal Engineering
15	114106033	Wave Hydrodynamics
16	114106035	Ocean Structures and Materials
17	114106036	Dynamics of Ocean Structures
18	114106037	Advanced Marine Structures
19	114106038	NOC:Dynamics of Ocean Structures
20	114106039	NOC:Health, Safety and Environmental Management in Offshore and Petroleum Engineering
21	114106042	NOC:HSE for offshore and petroleum engineers
22	114106041	NOC:Risk and Reliability of offshore structures
23	114106043	NOC:Offshore Structures Under Special Loads Including Fire Resistance
24	114106045	NOC:Computer Methods Of Structural Analysis of Offshore Structures
25	114105044	NOC:Water Economics and Governance
26	114106046	NOC:Structural Health Monitoring
27	114105047	NOC:Marine Propulsion
28	114105048	NOC:Numerical Ship and Offshore Hydrodynamics
29	114106047	NOC:Advanced Design of Steel Structures

Physics (94 Video Courses)

1	115101005	Electromagnetic Theory (Prof. D.K. Ghosh)
---	-----------	---

2	115101011	Special Theory of Relativity
3	115102014	Electronics
4	115102020	Fundamentals and Applications
5	115102022	Quantum Electronics
6	115102023	Quantum Mechanics and Applications
7	115102026	Semiconductor Optoelectronics
8	115104043	Nuclear Physics: Fundamentals and Applications
9	115104088	NOC:Introduction to Electromagnetism
10	115105046	Astrophysics and Cosmology
11	115106057	Special / Select Topics in Atomic Physics
12	115106058	Classical Field Theory
13	115106059	Topics in Nonlinear Dynamics
14	115106061	Condensed Matter Physics
15	115106065	Quantum Field Theory
16	115106066	Quantum Mechanics I
17	115106068	Special / Select Topics in Classical Mechanics
18	115106085	Special / Select Topics in the Theory of Atomic Collisions and Spectroscopy
19	115106086	Selected Topics in Mathematical Physics
20	115106090	NOC: Mechanics, heat oscillations and waves
21	115108074	Relativistic Quantum Mechanics
22	115106087	Nuclear Reactors and Safety- An Introduction
23	115106089	Physical Applications of Stochastic Processes
24	115106091	Nonequilibrium Statistical Mechanics
25	115104094	NOC:Engineering Mechanics
26	115101092	NOC:Quantum Information and Computing
27	115107095	NOC:Fiber Optics
28	115104095	NOC:Computational Science and Engineering Using Python
29	115104096	NOC:Introductory Quantum Mechanics
30	115105097	NOC:Mathematical Methods in Physics - I

31	115105098	NOC:Classical Mechanics: from Newtonian to Lagrangian Formulation
32	115105099	NOC:Solid State Physics
33	115103102	NOC:Advanced Condensed Matter Physics
34	115105100	NOC:Atomic and Molecular Physics
35	115103101	NOC:Nuclear and Particle Physics
36	115102103	Semiconductor Optoelectronics (Repurposed)
37	115101104	NOC:Theory of Groups for Physics Applications
38	115103104	NOC:Advanced Quantum Mechanics with Applications
39	115105104	NOC:Modern Optics
40	115105105	NOC:Introduction to Non-linear Optics and its Applications
41	115105106	NOC:Upstream LNG Technology
42	115108104	NOC:Control System Design
43	115101107	NOC:Quantum Mechanics-I
44	115103108	NOC:A Brief Course on Superconductivity
45	115104109	NOC:Introduction to Solid State Physics
46	115105110	NOC:Experimental Physics-I
47	115106111	NOC:Statistical Mechanics
48	115101117	NOC:Path Integral and Functional Methods in Quantum Field Theory
49	115103113	NOC:Introduction to Statistical Mechanics
50	115103114	NOC:Numerical Methods and Simulation Techniques for Scientists and Engineers
51	115103115	NOC:Theoretical Mechanics
52	115104112	NOC:Physics of Turbulence
53	115105120	NOC:Experimental Physics - II
54	115106118	NOC:Computational Physics
55	115106119	NOC:Waves and Oscillations
56	115107116	NOC:Solar Photovoltaics Fundamentals, Technology and Applications
57	115106122	NOC:Electromagnetism
58	115105122	NOC:Electronic Theory of Solids
59	115105121	NOC:Experimental Physics - III

60	115101122	NOC:Group Theory Methods in Physics
61	115107121	NOC:Introduction to Atmospheric and Space Sciences
62	115107122	NOC:Optical Sensors
63	115101121	NOC:Physics of Biological Systems
64	115106121	NOC:Physics through Computational Thinking
65	115106123	NOC:Introduction to Classical Mechanics
66	115103123	NOC:Solar Energy Engineering and Technology
67	115102124	NOC:Introduction to LASER
68	115104124	NOC:Introduction to Astrophysical Fluids
69	115105124	NOC:Physics of Linear and Nonlinear Optical Waveguides
70	115106124	NOC:Fluid Dynamics for Astrophysics
71	115106125	NOC:Quantum Transport
72	115106126	NOC:Statistical Mechanics (2021)
73	115105127	NOC:Physics of Renewable Energy Systems
74	115106127	NOC:Solid State Physics
75	115106128	NOC:Introduction to Quantum Field Theory (Theory of Scalar Fields)
76	115108127	NOC:Bonds and Bands in Solids
77	115103129	NOC:Quantum Technology and Quantum Phenomena in Macroscopic Systems
78	115105129	NOC:Thermal Physics
79	115107129	NOC:Advanced Atmospheric Physics
80	115107130	NOC:Nuclear Astrophysics
81	115108129	NOC:Advanced NMR Techniques in Solution and Solid-State
82	115101131	NOC:Neutron Scattering for Condensed Matter Studies
83	115101132	NOC:Accelerator Physics
84	115103131	NOC:Dynamics of Classical and Quantum Fields
85	115105131	NOC:Concepts in Magnetism and Superconductivity
86	115105132	NOC:Foundations of Classical Electrodynamics
87	115107131	NOC:Applied Optics
88	115106133	NOC:Introduction to Quantum Field Theory (Theory of Scalar Fields) - Part 2

89	115103134	NOC:Quantum Hall Effects
90	115104134	NOC:Introduction to Electromagnetic Theory (Hindi)
91	115104135	NOC:Scientific Computing Using Python
92	115105134	NOC:Physics of Functional Materials and Devices
93	115106134	NOC:Radio Astronomy
94	115107134	NOC:Newtonian Mechanics With Examples

Textile Engineering (15 Video Courses)

1	116102034	Theory of Yarn Structures
2	116104044	Natural Dyes
3	116102047	NOC:Science of Clothing Comfort
4	116102048	NOC:Yarn Manufacture-I: Principle of Carding and Drawing
5	116102049	NOC:Evaluations of Textile Materials
6	116102050	NOC:Testing of Functional and Technical Textiles
7	116102051	NOC:Theory of Yarn Structure
8	116102052	NOC:Advanced Textile Printing Technology
9	116102053	NOC:Textured Yarn Technology
10	116102054	NOC:Textile Finishing
11	116102055	NOC:Principles of Combing, Roving preparation and Ring spinning
12	116102056	NOC:Science and Technology of Weft and Warp Knitting
13	116102057	NOC:Technical Textiles
14	116102058	NOC:Textile Product Design and Development
15	116102059	NOC>New Spinning Technologies

Electronics and Communication Engineering (95 Video Courses)

1	117101001	Adv. Digital Signal Processing - Multirate and wavelets
2	117101002	Advanced Optical Communication

3	117101050	Broadband Networks: Concepts and Technology
4	117101051	Digital Communication
5	117101053	Information Theory and Coding
6	117101056	Transmission Lines and EM Waves
7	117102012	RF Integrated Circuits
8	117102059	Communication Engineering
9	117102060	Digital Signal Processing
10	117102062	Wireless Communication
11	117103063	Basic Electronics
12	117104074	Signals and Systems
13	117104099	Advanced 3G and 4G Wireless Mobile Communications
14	117104104	Digital Switching
15	117105075	Adaptive Signal Processing
16	117105078	Digital Computer Organization
17	117105079	Digital Image Processing
18	117105080	Digital Systems Design
19	117105081	Digital Voice and Picture Communication
20	117105082	MEMS and Microsystems
21	117105084	Neural Networks and Applications
22	117105085	Probability and Random Processes
23	117105101	Pattern Recognition and Application
24	117106030	Analog IC Design
25	117106031	Coding Theory
26	117106033	Semiconductor Device Modeling
27	117106034	VLSI Data Conversion Circuits
28	117106086	Digital Circuits and Systems
29	117106087	Electronics for Analog Signal Processing - I
30	117106088	Electronics for Analog Signal Processing - II
31	117106089	High Speed Devices and Circuits

32	117106091	Solid State Devices
33	117106092	VLSI Circuits
34	117106093	VLSI Technology
35	117106101	Basic Electrical Circuits
36	117106108	NOC:Basic Electrical Circuits
37	117106114	NOC:Digital Circuits and Systems
38	117108038	Circuits for Analog System Design
39	117108040	Digital System design with PLDs and FPGAs
40	117108044	Error Correcting Codes
41	117108048	Pattern Recognition
42	117106111	ARM Based Development
43	117106112	Embedded Software Testing
44	117106109	Advanced Logic Synthesis
45	117106113	Linux Programming and Scripting
46	117104115	NOC:Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications
47	117106116	NOC:Networks and Systems
48	117104117	NOC:Probability and Random Variables, Processes for Wireless Communications
49	117108107	Analog Circuits and Systems 1
50	117101106	Analog Circuits
51	117101004	Advanced VLSI Design
52	117101105	CMOS Analog VLSI Design
53	117101119	NOC:Microwave Integrated Circuits
54	117104118	NOC:Estimation for Wireless Communications / MIMO / OFDM Cellular and Sensor Networks
55	117105122	NOC:Basic Tools of Microwave Engineering
56	117108124	NOC:Design and Simulation of DC-DC converters using Open Source Tools
57	117101123	NOC:Foundations of Wavelets and Multirate Digital Signal Processing
58	117104121	NOC:Error Control Coding: An Introduction to Linear Block code
59	117104120	NOC:Error Control Coding: An Introduction to Convolutional Codes
60	117105135	NOC:Digital Image Processing

61	117105133	NOC:Audio System Engineering
62	117105132	NOC:Fundamentals of MIMO Wireless Communication
63	117105131	NOC:Satellite Communication Systems
64	117104128	NOC:Digital Switching-I
65	117104126	NOC:Bayesian/MMSE Estimation for Wireless Communications MIMO / OFDM Cellular and Sensor Networks
66	117105130	NOC:Basic Building Blocks of Microwave Engineering
67	117105134	NOC:Discrete Time Signal Processing
68	117104129	NOC:An Introduction to Information Theory
69	117104127	NOC:Optical Communications
70	117103125	NOC:VLSI Design Verification and Test
71	117108047	Nanoelectronics: Devices and Materials
72	117105139	NOC:Millimeter Wave Technology
73	117105138	NOC:Design Principles of RF and Microwave Filters and Amplifiers
74	117105137	NOC:Digital VLSI Testing
75	117105136	NOC:Spread Spectrum Communications and Jamming
76	117108140	NOC:Enclosure Design of Electronics Equipment
77	117108141	NOC:Design of Photovoltaic Systems
78	117108142	NOC:Photonic Integrated Circuits
79	117105140	NOC:Power System Analysis
80	117105143	NOC:Analog Communication
81	117105144	NOC:Modern Digital Communication Techniques
82	117105145	NOC:Digital Speech Processing
83	117105147	NOC:Analog Circuits and Systems through SPICE Simulation
84	108107107	NOC:Basics of Software Defined Radios and Practical Applications
85	108106105	NOC:Analog IC Design
86	117103148	NOC:Design of Power Electronic Converters
87	117103149	NOC:Operation and Planning of Power Distribution Systems
88	117105148	NOC:Communication Networks

89	117105149	NOC:Signal Processing Techniques and its Applications
90	117106148	NOC:Circuit Analysis for Analog Designers
91	117106149	NOC:Design and Analysis of VLSI Subsystems
92	117107148	NOC:Digital Protection of Power System
93	117107149	NOC:Physics of Nanoscale Devices
94	117108148	NOC:Neural Science for Engineers
95	117103150	NOC:Nanophotonics, Plasmonics, and Metamaterials

Nanotechnology (2 Video Courses)

1	118102003	Nano structured materials-synthesis, properties, self assembly and applications
2	118104008	Nanostructures and Nanomaterials: Characterization and Properties

Atmospheric Science (3 Video Courses)

1	119106008	Introduction to Atmospheric Science
2	119108004	Radiation Heat Transfer
3	119108006	The monsoon and its variability

General (12 Video Courses)

1	121104005	Introduction to Japanese Language and Culture
2	121106003	Ayurvedic Inheritance of India
3	121104006	Astronomy in Ancient, Medieval and Early Telescopic Era of India
4	121106007	NOC:Introduction to Research
5	121106008	NOC:Biology for engineers and other non-biologists
6	121105009	NOC:Stress Management
7	121105010	NOC:Outcome Based Pedagogic Principles for Effective Teaching
8	121107009	NOC:Introduction to Remote Sensing

9	121106011	NOC:Digital and the Everyday: from Codes to Cloud
10	121106012	NOC:Effective Engineering Teaching in Practice
11	121106013	NOC:Virtual Reality Engineering
12	121106014	NOC:Non-Conventional Energy Resources

Basic Courses - Semester 1 and 2 (21 Video Courses)

1	122102004	Applied mechanics
2	122102007	Management Science I
3	122102008	Materials Science
4	122102009	Numerical Methods and Computation
5	122104015	Engineering Mechanics
6	122104016	Engineering Physics II
7	122104017	Mathematics I
8	122105020	Human Resource Management-I
9	122105021	Leadership
10	122105022	Management Information System
11	122105023	Physics I - Oscillations and Waves
12	122105024	Strategic Management
13	122106025	Basic Electronics and Lab
14	122106027	Classical Physics
15	122106028	Engineering Chemistry - I
16	122106033	Numerical Methods and Programming
17	122106034	Quantum Physics
18	122107035	Engineering Physics - I
19	122107036	Mathematics - II
20	122107037	Mathematics - III
21	122108038	Concept of Management and Evolution of Management thought

Mining Engineering (6 Video Courses)

1	123105001	Fundamentals of Environmental Pollution and Control
2	123105003	NOC:Drilling and Blasting Technology
3	123105004	NOC:Network Analysis for Mines and Mineral Engineering
4	123105005	NOC:Mining Machinery
5	123105006	NOC:Underground Mining of Metalliferous Deposits
6	123105007	NOC:Surface Mining Technology

Architecture (29 Video Courses)

1	124107001	NOC:Housing Policy and Planning
2	124105001	NOC:Landscape Architecture and Site Planning - Basic Fundamentals
3	124107002	NOC:Visual Communication Design for Digital Media
4	124105003	NOC:Architectural Conservation and Historic Preservation
5	124105004	NOC:Architectural Acoustics
6	124107004	NOC:Culturally Responsive Built Environments
7	124107005	NOC:Contemporary Architecture and Design
8	124107006	NOC:Role of Craft and Technology in Interior-Architecture
9	124106009	NOC:Introduction to History of Architecture in India
10	124107007	NOC:Urban Governance and Development Management
11	124107008	NOC:User Interface Design
12	124107010	NOC:Disaster Recovery and Build Back Better
13	124107012	NOC:Structure, Form and Architecture: The Synergy
14	124107011	NOC:Sustainable Architecture
15	124105013	NOC:Building Materials and Composites
16	124105014	NOC:Environmental Soil Chemistry
17	124105015	NOC:Structural System in Architecture
18	124105016	NOC:Urban Landuse and Transportation Planning

19	124106157	NOC:Strategies for Sustainable Design
20	124107157	NOC:Engineering/Architectural Graphics - Part I: Orthographic projection
21	124105158	NOC:Urban utilities Planning : Water Supply, Sanitation and Drainage
22	124107158	NOC:Introduction to Urban Planning
23	124107159	NOC:Engineering, Architectural Graphics - Part II (Isometric and Axonometric Drawings)
24	124107160	NOC:Environmental Impact Assessment
25	124107161	NOC:Modern Indian Architecture
26	124107162	NOC:International Studies in Vernacular Architecture
27	124105163	NOC:Urban Services Planning
28	124107164	NOC:Introduction to Interaction Design
29	124107165	NOC:Understanding and Reducing Ghg Emissions - Focus on Scope 1 and 2 Emission Reduction through Building Design and Construction

Agriculture (27 Video Courses)

1	126104001	NOC:Basic Crop Production Practices (BCPP)
2	126104002	NOC:GIS in Ag-Essentials and Applications (GIS)
3	126104003	NOC:Integrated Pest Management (IPM)
4	126104004	NOC:Nutrition, Therapeutics and Health (NM)
5	126104005	NOC:Weather Forecast in Agriculture and Agro-advisory (WF)
6	126104006	NOC:ICT Basics
7	126105008	NOC:Momentum Transfer in Process Engineering
8	126105009	NOC:Farm Machinery
9	126105010	NOC:Irrigation and Drainage
10	126105011	NOC:Fundamentals of Food Process Engineering
11	126105012	NOC:Soil and Water Conservation Engineering
12	126105013	NOC:Dairy and Food Process and Products Technology
13	126105014	NOC:Organic Farming for Sustainable Agricultural Production
14	126105015	NOC:Novel Technologies for Food Processing and Shelf Life Extension

15	126105016	NOC:Soil Science and Technology
16	126103017	NOC:Thermal Processing of Foods
17	126105018	NOC:Thermal Operations in Food Process Engineering: Theory and Applications
18	126105019	NOC:Micro Irrigation Engineering
19	126105020	NOC:Instrumentation and Process Control in Food Industry
20	126105021	NOC:Machine Learning for Soil and Crop Management
21	126103022	NOC:Natural Resources Management
22	126105022	NOC:Advanced Aquaculture Technology
23	126105023	NOC:Post Harvest Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop Products
24	126105024	NOC:Soil Fertility and Fertilizers
25	126105025	NOC:Cooling Technology: Why and How utilized in Food Processing and Allied Industries
26	126105026	NOC:Traction Engineering
27	126105027	NOC:Food Oils and Fats : Chemistry and Technology

Multi-Disciplinary (47 Video Courses)

1	127106001	NOC:Neuroscience of Human Movement
2	127106003	NOC:Manage TB
3	127106004	NOC:Ecology and Environment
4	127101010	NOC:Designing Learner-Centric MOOCs
5	127105006	NOC:Fuzzy Logic and Neural Networks
6	127105007	NOC:Entrepreneurship Essentials
7	127105008	NOC:Roadmap for Patent Creation
8	127106009	NOC:Current Regulatory Requirements for Conducting Clinical Trials in India
9	127106010	NOC:Regulatory Requirements for Medical Devices and IVD kits in India
10	127108005	NOC:Teaching and Learning in Engineering (TALE)
11	127101012	NOC:Introduction to Learning Analytics
12	127101013	NOC:Designing Learner-Centric e-Learning in STEM Disciplines
13	127101014	NOC:Sustainable and Affordable Sanitation Solutions for Small Towns: Policy, Planning and Practice

14	127105017	NOC:Accreditation and Outcome based Learning
15	127105018	NOC:Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts
16	127106019	NOC:Numerical Methods for Engineers
17	127108015	NOC:Teaching and Learning in General Programs: TALG
18	127108016	NOC:TALE 2: Course Design and Instruction of Engineering Courses
19	127106134	Basic Course in Biomedical Research
20	127106137	NOC:Current Regulatory Requirements for Conducting Clinical Trials in India for Investigational New Drugs (Version 2.0)
21	127108135	NOC:NBA Accreditation and Teaching Learning in Engineering (NATE)
22	127106136	NOC:Regulatory Requirements for Medical Devices including in Vitro Diagnostics in India (Version 2.0)
23	127106135	NOC:Thermodynamics
24	106101224	NOC:Learning Analytics Tools
25	127103225	NOC:Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers
26	127105225	NOC:Biophotonics
27	127106225	NOC:Model Predictive Control: Theory and Applications
28	127106227	NOC:Research Methodology
29	127106228	NOC:Management of Medical Emergencies in Dental Practice
30	127106229	NOC:Basic Course in Ornithology
31	127106230	NOC:Oral Biology
32	127105231	NOC:Vacuum Technology and Process Application
33	127105232	NOC:Basics of Health Promotion and Education Intervention
34	127106231	NOC:Introduction to Biomimicry
35	127106232	NOC:Electrocardiogram - Interpretation and Application in Clinical Practice
36	127101233	NOC:Engineering Statistics
37	127104233	NOC:Foundation Certificate in Palliative Care
38	127105233	NOC:Basics of Mental Health and Clinical Psychiatry
39	127105234	NOC:Introduction to Reliability Engineering
40	127105235	NOC:Nanobio Technology Enabled Point-of-Care Devices
41	127106233	NOC:One Health

42	127102236	NOC:Similitude and Approximations in Engineering
43	127103236	NOC:Sustainable Power Generation Systems
44	127105236	NOC:Adolescent Health and Well-Being : A Holistic Approach
45	127105237	NOC:Research Methods in Health Promotion
46	127106236	NOC:Canning Technology, Value Addition of Seafood (Fish Processing)
47	127106237	NOC:Food Packaging Technology

Special Lecture Series (25 Video Courses)

1	128106001	ACM Summer School on Graph Theory and Graph Algorithms
2	128106002	ACM Summer School in Data Science (Goa)
3	128106003	Topics in Theoretical Computer Science
4	128106004	Researching Anglo-Indians in India and the Diaspora
5	128106005	Dravidian Temple Architecture and Construction Techniques
6	128106006	ACM Summer School in Data Science (Bangalore)
7	128106007	ACM Summer School on Algorithmic Game Theory
8	128106008	ACM Summer School on Graph Theory and Graph Algorithms
9	128106009	ACM Summer School on Compiler Design and Construction
10	128106010	ACM Summer School on Geometric Algorithms and their Applications
11	128106011	ACM Summer School on Algorithmic and Theoretical Aspects of Machine Learning
12	128106012	ACM Winter School on Hybrid Cloud
13	128106013	ACM Indian Summer School on Programming Languages: Principles and Practice
14	128106014	ACM Winter School 2019 on High Performance Computing (HPC)
15	128106015	Thermodynamics of Materials
16	128108016	ACM India Summer School on IoT and Embedded Systems
17	128106017	ACM India Summer School on Program Execution
18	128106018	ACM India Summer School on Programming Language Analysis and Optimizations
19	128106019	ACM Summer School on Shape Modelling
20	128106020	ACM India Summer School on Shape Modelling

21	128106021	ACM India Winter School on Topics in Digital Trust
22	128106032	ACM Winter School on Design, Implementation and Verification of Computer Systems
23	128106033	Topics In Theoretical Computer Science (2023)
24	128108017	ACM India Summer School on Algorithms for Data Science (2023)
25	128108018	ACM India Summer School on Cybersecurity for Women

Law (10 Video Courses)

1	129106001	NOC:Right to Information and Good Governance
2	129106002	NOC:Constitution of India and Environmental Governance: Administrative and Adjudicatory Process
3	129106003	NOC:Constitutional Studies
4	129105004	NOC:Introduction to Law on Electricity
5	129105005	NOC:Legal and Regulatory Issues in Biotechnology
6	129105006	NOC>New Labour Codes of India
7	129106006	NOC:Advanced Contracts, Tendering and Public Procurement
8	129105007	NOC:IP Management and Technology Transfer
9	129105008	NOC:Biodiversity Protection, Farmers and Breeders Rights
10	129106008	NOC:Conflict Management through Mediation

Economics (8 Video Courses)

1	130106001	NOC:Introduction to Econometrics
2	130106113	NOC:Environmental and Resource Economics
3	130104114	NOC:Microfoundations of Macroeconomics
4	130104115	NOC:Introduction to Microeconomics in Hindi and without Calculus
5	130104116	NOC:Economics of Banking and Finance Markets
6	130106115	NOC:Spatial Statistics and Spatial Econometrics
7	130106117	NOC:Economics of Innovation
8	130106118	NOC:Principles of Economics