



## National Programme on Technology Enhanced Learning

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### NPTEL Video Courses Information in Supplementary Formats

(Document Last Updated : April 15, 2024)

No	NPTEL Information Summary	Status	Courses	Lectures
1	NPTEL Video Courses (2003 to June 2024)	Completed	2462	1,14,371
2	NPTEL Video Courses (PDF Transcription)	Completed	2069	93,409
3	NPTEL Video Courses (English Subtitles)	Completed	1983	88,574
4	NPTEL Video Courses (Tamil Subtitles)	Completed	1983	88,376

## Educational Video Library + e-Learning Platform

**The HTML-5 based Assistive Technology Platform for Streaming**

**1,14,371 NPTEL Video Lectures in LAN / WiFi (PCs, Laptops, Smartphones & Tablets)**

**<https://www.digimat.in>**

<https://www.digimat.in>



## **NPTEL VIDEO COURSES INFORMATION IN SUPPLEMENTARY FORMATS**

**PDF Transcriptions, HTML-5 Support, Video Sub-Titles (for Media Player / Web), Video Size**

**Total NPTEL Video Courses : 2,462 | Total NPTEL Video Lectures : 1,14,371 (Updated: April 15, 2024)**

No.	ID	Name of the Engineering Discipline	Total Video Courses	Total Video Lectures	Size (GB)
1	101	Aerospace Engineering	60	2,876	893
2	102	Biotechnology	95	4,265	1,450
3	103	Chemical Engineering	136	6,287	2,229
4	104	Chemistry and Biochemistry	108	5,072	2,088
5	105	Civil Engineering	196	9,151	2,707
6	106	Computer Science and Engineering	218	11,192	3,012
7	107	Engineering Design	19	743	320
8	108	Electrical Engineering	217	11,689	3,558
9	109	Humanities and Social Sciences	226	9,128	3,206
10	110	Management	179	8,591	2,148
11	111	Mathematics	175	8,901	2,261
12	112	Mechanical Engineering	288	12,117	3,450
13	113	Metallurgy and Material Science	88	3,907	1,165
14	114	Ocean Engineering	31	1,451	553
15	115	Physics	100	4,933	1,502
16	116	Textile Engineering	15	488	295
17	117	Electronics and Communication Engineering	95	4,223	1,088
18	118	Nanotechnology	2	85	54
19	119	Atmospheric Science	3	121	51
20	121	General	12	372	241
21	122	Basic Courses (Semester 1 and 2)	21	657	170
22	123	Mining Engineering	7	336	57
23	124	Architecture	30	1,246	316
24	126	Agriculture	31	1,664	280
25	127	Multi-Disciplinary	57	2,541	585
26	128	Special Lecture Series	25	930	448
27	129	Law	13	591	65
28	130	Economics	9	548	45
29	MC	Medical Courses	6	266	40
Total :			2,462	1,14,371	34,277

No	Course ID	Lec	Name of the NPTEL Video Course	PDF	HT5	VST	SIZE (GB)
<b>Discipline : Aerospace Engineering</b> <a href="#">Go to Top</a>							
<b>Video Lecture Topics @ <a href="http://www.digimat.in/downloads/topics/aerospace-engineering.pdf">http://www.digimat.in/downloads/topics/aerospace-engineering.pdf</a></b>							
1	<a href="#">101101001</a>	40	Introduction to Aerospace Propulsion	Y	Y	Y	35
2	<a href="#">101101002</a>	42	Jet Aircraft Propulsion	Y	Y	Y	30
3	<a href="#">101101058</a>	40	Turbomachinery Aerodynamics	Y	Y	Y	21
4	<a href="#">101104005</a>	26	Aero elasticity	Y	Y	Y	9.2
5	<a href="#">101104013</a>	40	Foundation of Scientific Computing	Y	Y	Y	8.1
6	<a href="#">101104015</a>	39	Instability and Transition of Fluid Flows	Y	Y	Y	17
7	<a href="#">101104017</a>	26	Introduction to Helicopter Aerodynamics and Dynamics	Y	Y	Y	16
8	<a href="#">101104018</a>	40	Introduction to Propulsion	Y	Y	Y	16
9	<a href="#">101104019</a>	40	Jet and Rocket Propulsion	Y	Y	Y	15
10	<a href="#">101105024</a>	40	High Speed Aero Dynamics	Y	Y	Y	12
11	<a href="#">101105030</a>	45	Space Flight Mechanics	Y	Y	Y	13
12	<a href="#">101105059</a>	46	Introduction to Aerodynamics	Y	Y	Y	15
13	<a href="#">101106031</a>	41	Acoustic Instabilities in Aerospace Propulsion	Y	Y	Y	17
14	<a href="#">101106033</a>	42	Aerospace Propulsion	Y	Y	Y	20
15	<a href="#">101106042</a>	41	Flight Dynamics II (Stability)	Y	Y	Y	17
16	<a href="#">101106044</a>	54	Gas Dynamics	Y	Y	Y	24
17	<a href="#">101106045</a>	39	Introduction to CFD	Y	Y	Y	16
18	<a href="#">101108047</a>	40	Advanced Control System Design for Aerospace Vehicles	Y	Y	Y	19
19	<a href="#">101108057</a>	40	Optimal Control, Guidance and Estimation	Y	Y	Y	11
20	<a href="#">101104061</a>	48	NOC:Introduction to Airplane Performance	Y	Y	Y	3.4
21	<a href="#">101104062</a>	60	NOC:Stability and Control of Aircraft	Y	Y	Y	4.7
22	<a href="#">101106037</a>	51	Combustion	Y	Y	Y	50
23	<a href="#">101104064</a>	43	NOC:Aircraft Dynamic Stability and Design Stability Augmentation System	Y	Y	Y	3.2
24	<a href="#">101104063</a>	38	NOC:Engineering Thermodynamics (2016)	Y	Y	Y	4.6
25	<a href="#">101104066</a>	21	NOC:Introduction to Experiments in Flight	Y	Y	Y	1.3
26	<a href="#">101104065</a>	40	NOC:Introduction to Ancient Indian Technology	Y	Y	Y	3.4
27	<a href="#">101104067</a>	58	NOC:Engineering Thermodynamics (2017)	Y	Y	Y	2.5
28	<a href="#">101108068</a>	62	NOC:Combustion in Air Breathing Aero Engines	Y	Y	Y	16
29	<a href="#">101104069</a>	46	NOC:Aircraft Design	Y	Y	Y	4.8
30	<a href="#">101104071</a>	14	NOC:Aircraft Maintenance	Y	Y	Y	5.2
31	<a href="#">101104070</a>	40	NOC:Fundamentals of Combustion - Part I	Y	Y	Y	8.5
32	<a href="#">101104072</a>	40	NOC:Fundamentals of Combustion - Part II	Y	Y	Y	8.4
33	<a href="#">101104073</a>	23	NOC:Design of Fixed Wing Unmanned Aerial Vehicles	Y	Y	Y	8.6
34	<a href="#">101104074</a>	40	NOC:Introduction to Finite Volume Methods-I	Y	Y	Y	16

35	<a href="#">101104075</a>	28	NOC:Advance Aircraft Maintenance	Y	Y	Y	19
36	<a href="#">101104076</a>	40	NOC:Introduction to Finite Volume Methods-II	Y	Y	Y	16
37	<a href="#">101105077</a>	73	NOC:Satellite Attitude Dynamics and Control	Y	Y	Y	25
38	<a href="#">101101079</a>	67	NOC:Introduction to Aerospace Engineering	Y	Y	Y	34
39	<a href="#">101104078</a>	60	NOC:Introduction to Rocket Propulsion	---	Y	Y	15
40	<a href="#">101105081</a>	40	NOC:Vibration and Structural Dynamics	---	Y	Y	11
41	<a href="#">101106082</a>	36	NOC:Rocket Propulsion	Y	Y	Y	77
42	<a href="#">101105084</a>	42	NOC:Aircraft Structures - I	Y	Y	Y	21
43	<a href="#">101104084</a>	60	NOC:Introduction to Airbreathing Propulsion	Y	Y	Y	41
44	<a href="#">101101083</a>	86	NOC:Introduction to Aircraft Design	Y	Y	Y	9.0
45	<a href="#">101105085</a>	65	NOC:Introduction to CFD	Y	Y	---	30
46	<a href="#">101105083</a>	99	NOC:Space Flight Mechanics	Y	Y	Y	52
47	<a href="#">101104083</a>	26	NOC:UAV Design - Part II	Y	Y	Y	9.1
48	<a href="#">101101086</a>	36	NOC:Introduction to Launch Vehicle Analysis and Design	Y	Y	Y	2.2
49	<a href="#">101101087</a>	121	NOC:Lighter than Air Systems	Y	Y	Y	2.9
50	<a href="#">101104086</a>	40	NOC:Computational Science in Engineering	Y	Y	Y	3.1
51	<a href="#">101108086</a>	60	NOC:Gasdynamics: Fundamentals and Applications	Y	Y	Y	5.7
52	<a href="#">101105088</a>	69	NOC:Fundamentals of Theoretical and Experimental Aerodynamics	---	Y	---	6.5
53	<a href="#">101105089</a>	69	NOC:Aerodynamic Design of Axial Flow Compressors and Fans	Y	Y	Y	8.8
54	<a href="#">101102090</a>	48	NOC:Elements of Mechanical Vibration	---	Y	---	6.9
55	<a href="#">101105090</a>	62	NOC:Smart Structures	---	Y	---	4.6
56	<a href="#">101105091</a>	64	NOC:Aeroengine Gas Turbine Cycles	---	Y	---	6.9
57	<a href="#">101104330</a>	60	NOC:Introduction to Aircraft Control System	---	Y	---	3.1
58	<a href="#">101105331</a>	40	NOC:Combustion of Solid Fuels and Propellants	---	Y	---	3.0
59	<a href="#">101105332</a>	40	NOC:Aerospace Structural Analysis	---	Y	---	3.1
60	<a href="#">101105333</a>	60	NOC:Fundamentals of Supersonic and Hypersonic Flow	---	Y	---	5.3

**Discipline : Biotechnology**

[Go to Top](#)

**Video Lecture Topics @ <http://www.digmat.in/downloads/topics/biotechnology.pdf>**

1	<a href="#">102101003</a>	39	Biomathematics	Y	Y	Y	29
2	<a href="#">102101007</a>	40	Proteomics: Principles and Techniques	Y	Y	Y	34
3	<a href="#">102102033</a>	28	Enzyme Science and Engineering	Y	Y	Y	4.9
4	<a href="#">102104042</a>	40	Animal Physiology	Y	Y	Y	15
5	<a href="#">102104043</a>	40	Bio electricity	Y	Y	Y	12
6	<a href="#">102106022</a>	36	Downstream Processing	Y	Y	Y	17
7	<a href="#">102106026</a>	40	Thermodynamics	Y	Y	Y	17
8	<a href="#">102107028</a>	41	Analytical Technologies in Biotechnology	Y	Y	Y	24
9	<a href="#">102101050</a>	21	NOC:Mass spectrometry based proteomics	Y	Y	Y	1.5
10	<a href="#">102106048</a>	20	NOC:Principles of Downstream techniques in Bioprocess	Y	Y	Y	2.4

11	<a href="#">102101049</a>	21	NOC:Proteins and Gel-Based Proteomics	Y	Y	Y	1.7
12	<a href="#">102106051</a>	40	NOC:Biostatistics and Design of Experiments	Y	Y	Y	14
13	<a href="#">102106053</a>	21	NOC:Bioreactors	Y	Y	Y	5.3
14	<a href="#">102104052</a>	15	NOC:Human Molecular Genetics	Y	Y	Y	1.2
15	<a href="#">102101054</a>	40	NOC:Interactomics: Protein Arrays and Label-free Biosensors	Y	Y	Y	28
16	<a href="#">102106057</a>	40	NOC:Medical Biomaterials	Y	Y	Y	15
17	<a href="#">102104056</a>	19	NOC:Functional Genomics	Y	Y	Y	1.6
18	<a href="#">102101056</a>	40	NOC:Introduction to Biostatistics	Y	Y	Y	18
19	<a href="#">102103056</a>	24	NOC:Introduction to Dynamical Models in Biology	Y	Y	Y	5.2
20	<a href="#">102104057</a>	40	NOC:Bioenergy	Y	Y	Y	2.2
21	<a href="#">102107058</a>	20	NOC:Biomedical Nanotechnology	Y	Y	Y	4.7
22	<a href="#">102101058</a>	40	NOC:Introduction to Mechanobiology	Y	Y	Y	34
23	<a href="#">102104058</a>	60	NOC:Animal Physiology	Y	Y	Y	2.3
24	<a href="#">102104059</a>	40	NOC:Cell Culture Technologies	Y	Y	Y	1.4
25	<a href="#">102104060</a>	40	NOC:Forest Biometry	Y	Y	Y	1.8
26	<a href="#">102105058</a>	60	NOC:Industrial Biotechnology	Y	Y	Y	15
27	<a href="#">102106066</a>	18	NOC:Demystifying the Brain	Y	Y	Y	30
28	<a href="#">102104061</a>	20	NOC:Introduction To Professional and Scientific Communication	Y	Y	Y	5.3
29	<a href="#">102104062</a>	20	NOC:Bioelectrochemistry	Y	Y	Y	3.9
30	<a href="#">102104063</a>	20	NOC:Bioenergetics Of Life Processes	Y	Y	Y	3.9
31	<a href="#">102101067</a>	40	NOC:Introductory Mathematical Methods for Biologists	Y	Y	Y	36
32	<a href="#">102101055</a>	40	NOC:Introduction to Proteomics	Y	Y	Y	16
33	<a href="#">102106065</a>	69	NOC:BioInformatics:Algorithms and Applications	Y	Y	Y	34
34	<a href="#">102105064</a>	60	NOC:Aspects Of Biochemical Engineering	Y	Y	Y	16
35	<a href="#">102101068</a>	40	NOC:Bioengineering: An Interface with Biology and Medicine	Y	Y	Y	35
36	<a href="#">102104068</a>	40	NOC:Wildlife Conservation	Y	Y	Y	13
37	<a href="#">102104069</a>	40	NOC:Nanotechnology in Agriculture	Y	Y	Y	6.4
38	<a href="#">102105068</a>	20	NOC:Biomicrofluidics	Y	Y	Y	5.7
39	<a href="#">102106068</a>	103	NOC:Computational Systems Biology	Y	Y	Y	126
40	<a href="#">102106069</a>	69	NOC:Material and Energy Balances	Y	Y	Y	60
41	<a href="#">102106070</a>	40	NOC:Computer Aided Drug Design	Y	Y	Y	38
42	<a href="#">102101072</a>	40	NOC:Applications of Interactomics using Genomics and Proteomics Technologies	Y	Y	Y	42
43	<a href="#">102104073</a>	36	NOC:Wild Life Ecology	Y	Y	Y.	25
44	<a href="#">102108071</a>	20	NOC:Learning about Learning: A Course on Neurobiology of Learning and Memory	Y	Y	Y	3.8
45	<a href="#">102101076</a>	80	NOC:Introduction to Proteogenomics	Y	Y	Y	55
46	<a href="#">102103074</a>	41	NOC:Genetic Engineering: Theory and Application	Y	Y	Y	34
47	<a href="#">102106080</a>	29	NOC:Plant Cell Bioprocessing	Y	Y	Y	39

48	<a href="#">102106081</a>	37	NOC:Tissue Engineering	Y	Y	Y	53
49	<a href="#">102107075</a>	20	NOC:Plant Developmental Biology	Y	Y	Y	3.3
50	<a href="#">102108077</a>	63	NOC:Drug Delivery: Principles and Engineering	Y	Y	Y	9.5
51	<a href="#">102108078</a>	61	NOC:Fundamentals of Micro and Nanofabrication	Y	Y	Y	14
52	<a href="#">102104082</a>	36	NOC:Forests and their Management	Y	Y	Y	36
53	<a href="#">102101082</a>	60	NOC:Interactomics: Basics and Applications	Y	Y	Y	58
54	<a href="#">102108082</a>	58	NOC:Optical Spectroscopy and Microscopy: Fundamentals of Optical Measurements and Instrumentation	Y	Y	Y	11
55	<a href="#">102106082</a>	87	NOC:Thermodynamics for Biological Systems: Classical and Statistical Aspect	Y	Y	Y	39
56	<a href="#">102103083</a>	45	NOC:Experimental Biotechnology	Y	Y	Y	26
57	<a href="#">102105083</a>	60	NOC:Immunology	Y	Y	---	23
58	<a href="#">102106084</a>	28	NOC:Introduction to Developmental Biology	Y	Y	Y	5.4
59	<a href="#">102106083</a>	81	NOC:Transport Phenomena in Biological Systems	Y	Y	Y	11
60	<a href="#">102103086</a>	24	NOC:Biointerface Engineering	---	Y	---	3.2
61	<a href="#">102104086</a>	36	NOC:Conservation Economics	Y	Y	Y	11
62	<a href="#">102105086</a>	37	NOC:Metabolic Engineering	Y	Y	Y	4.2
63	<a href="#">102105087</a>	63	NOC:Environmental Chemistry and Microbiology	Y	Y	Y	6.8
64	<a href="#">102106086</a>	40	NOC:Bioreactor Design and Analysis	Y	Y	---	2.6
65	<a href="#">102106087</a>	34	NOC:Biochemistry (IITM)	Y	Y	Y	3.9
66	<a href="#">102107086</a>	60	NOC:Structural Biology	---	Y	Y	20
67	<a href="#">102108086</a>	33	NOC:Cell Biology: Cellular Organization, Division and Processes	Y	Y	Y	2.9
68	<a href="#">102104088</a>	36	NOC:Conservation Geography	Y	Y	Y	8.4
69	<a href="#">102105088</a>	52	NOC:Environmental Biotechnology	Y	Y	---	8.3
70	<a href="#">102105089</a>	60	NOC:Fundamentals of Protein Chemistry	Y	Y	Y	5.3
71	<a href="#">102105090</a>	53	NOC:Introduction to Biomedical Imaging Systems	Y	Y	---	7.1
72	<a href="#">102101091</a>	61	NOC:Maternal Infant Young Child Nutrition	Y	Y	Y	8.0
73	<a href="#">102103091</a>	50	NOC:Basics of Biology	Y	Y	Y	9.8
74	<a href="#">102103092</a>	49	NOC>Data Analysis for Biologists	Y	Y	Y	8.3
75	<a href="#">102103093</a>	49	NOC:Genome Editing and Engineering	---	Y	---	4.8
76	<a href="#">102106093</a>	60	NOC:Cellular Biophysics: A Framework for Quantitative Biology	Y	Y	Y	3.3
77	<a href="#">102106094</a>	51	NOC:Medical Image Analysis	Y	Y	Y	3.6
78	<a href="#">102106095</a>	37	NOC:Organ Printing	---	Y	---	3.3
79	<a href="#">102106096</a>	58	NOC:Introduction to Cell Biology	Y	Y	Y	3.0
80	<a href="#">102101097</a>	62	NOC:Maternal Infant Young Child Nutrition (Hindi)	---	Y	---	8.9
81	<a href="#">102103097</a>	47	NOC:Enzyme Sciences and Technology	Y	Y	Y	9.7
82	<a href="#">102106097</a>	62	NOC:RNA Biology	Y	Y	Y	9.8
83	<a href="#">102106098</a>	84	NOC:Biomechanics	Y	Y	Y	6.6
84	<a href="#">102104099</a>	34	NOC:Neurobiology	Y	Y	---	1.0

85	<a href="#">102105099</a>	60	NOC:Next Generation Sequencing Technologies: Data Analysis and Applications	---	Y	---	4.9
86	<a href="#">102105100</a>	60	NOC:Computational Neuroscience	---	Y	---	5.1
87	<a href="#">102105101</a>	20	NOC:Electrophysiology of Heart	Y	Y	---	1.9
88	<a href="#">102103341</a>	52	NOC:Molecular Biology	---	Y	---	11
89	<a href="#">102105342</a>	63	NOC:Pharmacognosy and Metabolic Engineering	---	Y	---	4.9
90	<a href="#">102106339</a>	44	NOC:Computational Genomics	---	Y	---	5.8
91	<a href="#">102106340</a>	60	NOC:Human Physiology	---	Y	---	6.9
92	<a href="#">102106343</a>	63	NOC:I Think Biology	---	Y	---	6.4
93	<a href="#">102106345</a>	97	NOC:Classics in Neuroscience	---	Y	---	4.4
94	<a href="#">102108344</a>	55	NOC:Microsensors, Implantable Devices and Rodent Surgeries for Biomedical Applications	---	Y	---	5.7
95	<a href="#">102106102</a>	33	Introduction to Synthetic Biology	---	Y	---	4.1
<b>Discipline : Chemical Engineering</b>							
<a href="#">Go to Top</a>							
<b>Video Lecture Topics @ <a href="http://www.digimat.in/downloads/topics/chemical-engineering.pdf">http://www.digimat.in/downloads/topics/chemical-engineering.pdf</a></b>							
1	<a href="#">103101001</a>	41	Advanced Chemical Reaction Engineering (PG)	Y	Y	Y	31
2	<a href="#">103101003</a>	26	Advanced Process Control	Y	Y	Y	34
3	<a href="#">103101008</a>	39	Chemical Reaction Engineering II	Y	Y	Y	34
4	<a href="#">103101111</a>	49	Advanced Numerical Analysis	Y	Y	Y	41
5	<a href="#">103102012</a>	40	Heterogeneous Catalysis and Catalytic Processes	Y	Y	Y	19
6	<a href="#">103103034</a>	39	Mass Transfer Operations I	Y	Y	Y	14
7	<a href="#">103103039</a>	46	Process Design Decisions and Project Economics	Y	Y	Y	27
8	<a href="#">103104044</a>	40	Fluid Mechanics	Y	Y	Y	15
9	<a href="#">103104046</a>	40	Mass Transfer II	Y	Y	Y	16
10	<a href="#">103104050</a>	41	Plantwide Control of Chemical Processes	Y	Y	Y	16
11	<a href="#">103105054</a>	40	Biochemical Engineering	Y	Y	Y	8.5
12	<a href="#">103105057</a>	40	Microscale Transport Processes	Y	Y	Y	12
13	<a href="#">103105059</a>	40	Multiphase Flow	Y	Y	Y	11
14	<a href="#">103105061</a>	41	Novel Separation Processes	Y	Y	Y	19
15	<a href="#">103105064</a>	44	Process Control and Instrumentation	Y	Y	Y	11
16	<a href="#">103105066</a>	40	Instability and Patterning of Thin Polymer Films	Y	Y	Y	12
17	<a href="#">103105106</a>	41	Advanced Mathematical Techniques in Chemical Engineering	Y	Y	Y	12
18	<a href="#">103106070</a>	35	Chemical Engineering Thermodynamics	Y	Y	Y	3.1
19	<a href="#">103106073</a>	47	Computational Fluid Dynamics	Y	Y	Y	21
20	<a href="#">103106074</a>	40	Computational Techniques	Y	Y	Y	20
21	<a href="#">103106103</a>	40	Particle Characterization (PG)	Y	Y	Y	16
22	<a href="#">103106113</a>	45	Multiphase flows:Analytical solutions and Stability Analysis	Y	Y	Y	34
23	<a href="#">103106114</a>	59	NOC:Introduction to Time-Frequency Analysis and Wavelet Transforms	Y	Y	Y	5.3
24	<a href="#">103107081</a>	40	Chemical Technology - I	Y	Y	Y	29

25	<a href="#">103107093</a>	43	Process Integration	Y	Y	Y	55
26	<a href="#">103108097</a>	40	Chemical Reaction Engineering	Y	Y	Y	16
27	<a href="#">103108098</a>	40	Fundamentals of Transport Processes	Y	Y	Y	19
28	<a href="#">103108099</a>	40	Fundamentals of Transport Processes - II	Y	Y	Y	9.2
29	<a href="#">103108100</a>	43	Modern Instrumental Methods of Analysis	Y	Y	Y	20
30	<a href="#">103106112</a>	55	Statistics for Experimentalists	Y	Y	Y	28
31	<a href="#">103106118</a>	45	NOC:MATLAB Programming for Numerical Computation	Y	Y	Y	9.9
32	<a href="#">103106115</a>	39	Chemical Engineering Principles of CVD Processes	Y	Y	Y	18
33	<a href="#">103106119</a>	62	NOC:Computational Fluid Dynamics	Y	Y	Y	21
34	<a href="#">103105121</a>	20	NOC:Introduction to Process Modeling in Membrane Separation Process	Y	Y	Y	5.2
35	<a href="#">103106120</a>	19	NOC:Introduction to Statistical Hypothesis Testing	Y	Y	Y	6.4
36	<a href="#">103106116</a>	60	Chemical Reaction Engineering 1 (Homogeneous Reactors)	Y	Y	Y	59
37	<a href="#">103106117</a>	43	Chemical Reaction Engineering 2 (Heterogeneous Reactors)	Y	Y	Y	41
38	<a href="#">103105122</a>	40	NOC:Soft Nano Technology	Y	Y	Y	10
39	<a href="#">103105124</a>	25	NOC:Adiabatic Two-Phase Flow & Flow Boiling in Microchannel	Y	Y	Y	6.0
40	<a href="#">103107123</a>	20	Mechanical Operations	Y	Y	Y	4.3
41	<a href="#">103108124</a>	41	NOC:Atomic and Molecular Absorption Spectrometry for Pollution Monitoring	Y	Y	Y	8.7
42	<a href="#">103106123</a>	112	NOC:Applied Time-Series Analysis	Y	Y	Y	30
43	<a href="#">103107125</a>	40	NOC:Waste to Energy Conversion	Y	Y	Y	11
44	<a href="#">103108123</a>	71	NOC:Transport Processes I: Heat and Mass Transfer	Y	Y	Y	12
45	<a href="#">103108127</a>	38	NOC:Trace and Ultra-trace Analysis of Metals using Atomic Absorption Spectrometry	Y	Y	Y	11
46	<a href="#">103101127</a>	40	NOC:Introduction to Evolutionary Dynamics	Y	Y	Y	35
47	<a href="#">103105127</a>	65	NOC:Phase Equilibrium Thermodynamics	Y	Y	Y	5.0
48	<a href="#">103105128</a>	60	NOC:Transport Phenomena	Y	Y	Y	18
49	<a href="#">103107127</a>	20	NOC:Unit Operations of Particulate Matter	Y	Y	Y	3.9
50	<a href="#">103106131</a>	63	NOC:Rheology of Complex Materials	Y	Y	Y	30
51	<a href="#">103103135</a>	12	NOC:Measurement Technique in Multiphase Flows	Y	Y	Y	3.3
52	<a href="#">103103133</a>	12	NOC:An Introduction to Cardiovascular Fluid Mechanics	Y	Y	Y	1.1
53	<a href="#">103108138</a>	22	NOC:Inductive Couple Plasma Atomic Emission Spectrometry (ICP-AES) for Pollution Monitoring	Y	Y	Y	5.9
54	<a href="#">103103134</a>	24	NOC:Multiphase Microfluidics	Y	Y	Y	4.0
55	<a href="#">103104129</a>	51	NOC:Thermodynamics Of Fluid Phase Equilibria	Y	Y	Y	7.2
56	<a href="#">103101137</a>	60	NOC:Heat Transfer	Y	Y	Y	24
57	<a href="#">103103132</a>	31	NOC:Fluidization Engineering	Y	Y	Y	4.5
58	<a href="#">103105130</a>	60	NOC:Chemical Process Instrumentation	Y	Y	Y	16
59	<a href="#">103103136</a>	22	NOC:Multiphase Flows	Y	Y	Y	6.7
60	<a href="#">103103139</a>	24	NOC:Introduction to Polymer Physics (IIT-G)	Y	Y	Y	11



61	<a href="#">103103140</a>	22	NOC:Natural Gas Engineering	Y	Y	Y	8.3
62	<a href="#">103105139</a>	60	NOC:Optimization in Chemical Engineering	Y	Y	Y	19
63	<a href="#">103105140</a>	60	NOC:Heat Transfer (2018)	Y	Y	Y	18
64	<a href="#">103107139</a>	60	NOC:Introduction to Polymer Physics (IIT-R)	Y	Y	Y	11
65	<a href="#">103108139</a>	21	NOC:Infrared Spectroscopy for Pollution Monitoring	Y	Y	Y	5.2
66	<a href="#">103101141</a>	60	NOC:Chemical Reaction Engineering-II	Y	Y	Y	37
67	<a href="#">103101142</a>	48	NOC:Chemical Process Control	Y	Y	Y	17
68	<a href="#">103103144</a>	42	NOC:Chemical Engineering Thermodynamics	Y	Y	Y	13
69	<a href="#">103103145</a>	41	NOC:Mass Transfer Operations-I	Y	Y	Y	27
70	<a href="#">103103146</a>	41	NOC:Transport Phenomena of Non-Newtonian Fluids	Y	Y	Y	6.6
71	<a href="#">103103147</a>	33	NOC:Fluid Flow Operations	Y	Y	Y	20
72	<a href="#">103106148</a>	52	NOC:Process Control - Design, Analysis and Assessment	Y	Y	Y	68
73	<a href="#">103107143</a>	20	NOC:Equipment Design: Mechanical Aspects	Y	Y	Y	4.0
74	<a href="#">103106149</a>	121	System Identification	Y	Y	---	153
75	<a href="#">103103152</a>	35	NOC:Chemical Process Intensification	Y	Y	Y	22
76	<a href="#">103103153</a>	30	NOC:Chemical Reaction Engineering - I	Y	Y	Y	17
77	<a href="#">103103154</a>	32	NOC:Mass Transfer Operations II	Y	Y	Y	19
78	<a href="#">103103155</a>	37	NOC:Mechanical Unit Operations	Y	Y	Y	26
79	<a href="#">103104151</a>	63	NOC:Chemical Engineering Thermodynamics	Y	Y	Y	15
80	<a href="#">103105160</a>	60	NOC:Flow through Porous Media	Y	Y	Y	16
81	<a href="#">103105161</a>	60	NOC:Fundamentals of Particle and Fluid Solid Processing	Y	Y	Y	16
82	<a href="#">103106158</a>	70	NOC:Fluid and Particle Mechanics	Y	Y	Y	90
83	<a href="#">103106159</a>	116	NOC:Continuum Mechanics and Transport Phenomena	Y	Y	Y	84
84	<a href="#">103107156</a>	60	NOC:Chemical Process Safety	Y	Y	Y	9.9
85	<a href="#">103107157</a>	40	NOC:Technologies For Clean And Renewable Energy Production	Y	Y	Y	8.3
86	<a href="#">103102016</a>	37	Interfacial Engineering	---	Y	---	8.7
87	<a href="#">103103162</a>	31	NOC:Advanced Thermodynamics	Y	Y	Y	25
88	<a href="#">103103165</a>	35	NOC:Basic Principles and Calculations in Chemical Engineering	Y	Y	Y	15
89	<a href="#">103103164</a>	37	NOC:Computer Aided Applied Single Objective Optimization	Y	Y	Y	20
90	<a href="#">103108162</a>	35	NOC:Electrochemical Technology in Pollution Control	Y	Y	Y	21
91	<a href="#">103106162</a>	61	NOC:Environmental Quality Monitoring and Analysis	Y	Y	Y	51
92	<a href="#">103103163</a>	36	NOC:Membrane Technology	Y	Y	Y	17
93	<a href="#">105106204</a>	48	NOC:Colloids and Surfaces	Y	Y	Y	9.2
94	<a href="#">103105166</a>	60	NOC:Plant Design and Economics	Y	Y	---	25
95	<a href="#">105106205</a>	87	NOC:Polymers: Concepts, Properties, Uses and Sustainability	Y	Y	Y	13
96	<a href="#">103103206</a>	38	NOC:Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	Y	Y	---	5.2
97	<a href="#">103103207</a>	37	NOC:Biomass Conversion and Biorefinery	Y	Y	Y	5.8
98	<a href="#">103107206</a>	60	NOC:Polymer Reaction Engineering	Y	Y	Y	6.0

99	<a href="#">103107207</a>	60	NOC:Process Equipment Design	Y	Y	---	11
100	<a href="#">103107208</a>	60	NOC:Advanced Thermodynamics and Molecular Simulations	Y	Y	Y	12
101	<a href="#">103101209</a>	61	NOC:Introduction to Interfacial Waves	Y	Y	---	5.4
102	<a href="#">103103209</a>	35	NOC:Aspen Plus® Simulation Software-A basic course for beginners	Y	Y	Y	6.3
103	<a href="#">103105209</a>	60	NOC:Material and Energy Balance Computations	Y	Y	---	6.9
104	<a href="#">103105210</a>	64	NOC:Principles and Practices of Process Equipment and Plant Design	Y	Y	---	7.2
105	<a href="#">103102211</a>	65	NOC:Fluid Mechanics and its Applications	---	Y	Y	3.4
106	<a href="#">103103211</a>	25	NOC:Physical and Electrochemical Characterizations in Chemical Engineering	---	Y	---	3.3
107	<a href="#">103107211</a>	60	NOC:Chemical Process Utilities	Y	Y	Y	6.2
108	<a href="#">103107212</a>	60	NOC:Physico-Chemical Processes for Waste Water Treatment	Y	Y	Y	6.1
109	<a href="#">103103031</a>	40	Heat Transfer	---	Y	Y	20
110	<a href="#">103101215</a>	69	NOC:Hydrogen Energy:Production,Storage,Transportation and Safety	Y	Y	Y	7.8
111	<a href="#">103105215</a>	60	NOC:Mathematical Modelling and Simulation of Chemical Engineering Process	Y	Y	Y	5.2
112	<a href="#">103105216</a>	60	NOC:Advanced Process Dynamics	Y	Y	Y	7.0
113	<a href="#">103106214</a>	40	Synthetic and Natural Supramolecular Architectures: An Approach Towards Molecular Technology	---	Y	---	6.1
114	<a href="#">103107215</a>	60	NOC:Basic Environmental Engineering and Pollution Abatement	Y	Y	Y	5.6
115	<a href="#">103103217</a>	43	NOC:Chemical Process Technology	---	Y	---	4.5
116	<a href="#">103103218</a>	35	NOC:Inorganic Chemical Technology	Y	Y	Y	5.7
117	<a href="#">103105217</a>	40	NOC:Metallocene and Metal-Carbene based Organometallic Compounds as Industrially Important Advanced Polyolefin Catalysts	Y	Y	---	4.2
118	<a href="#">103105218</a>	60	NOC:Chemical Engineering Fluid Dynamics and Heat Transfer	Y	Y	Y	5.0
119	<a href="#">103105219</a>	60	NOC:Characterization of Polymers, Elastomers and Composites	---	Y	---	8.2
120	<a href="#">103107217</a>	40	NOC:Biological Process Design for Wastewater Treatment	Y	Y	Y	3.9
121	<a href="#">103103220</a>	35	NOC:Organic Chemical Technology	Y	Y	Y	6.7
122	<a href="#">103103221</a>	36	NOC:Solid-Fluid Operations	Y	Y	---	5.5
123	<a href="#">103103222</a>	30	NOC:Energy Conversion Technologies (Biomass and Coal)	---	Y	---	3.4
124	<a href="#">103103223</a>	21	NOC:Petroleum Reservoir Engineering	Y	Y	Y	3.7
125	<a href="#">103105220</a>	60	NOC:Matlab-Based Programming Lab in Chemical Engineering	---	Y	---	6.5
126	<a href="#">103105221</a>	40	NOC:Petroleum Technology	Y	Y	Y	4.3
127	<a href="#">103105222</a>	48	NOC:Rheology and Processing of Paints, Plastic and Elastomer Based Composites	Y	Y	---	6.3
128	<a href="#">103105223</a>	60	NOC:Petroleum Formation Evaluation	---	Y	---	5.4
129	<a href="#">103106220</a>	62	NOC:Artificial Lift	Y	Y	Y	6.4
130	<a href="#">103107220</a>	60	NOC:Advanced Reaction Engineering	---	Y	---	7.2
131	<a href="#">103107221</a>	60	NOC:Polymer Process Engineering	Y	Y	---	7.0
132	<a href="#">103108220</a>	60	NOC:Transport Processes	---	Y	---	8.3
133	<a href="#">103101354</a>	60	NOC:Modeling Stochastic Phenomena for	---	Y	---	4.0

			Engineering Applications: Part-1				
134	<a href="#">103102352</a>	19	NOC:Computational Process Design	---	Y	---	4.5
135	<a href="#">103103355</a>	38	NOC:Applied Statistical Thermodynamics	---	Y	---	3.8
136	<a href="#">103105353</a>	60	NOC:Momentum Transfer in Fluids	---	Y	---	5.1
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1	<a href="#">104104011</a>	40	Chemistry of Materials	Y	Y	Y	18
2	<a href="#">104104026</a>	40	Mathematics for Chemistry	Y	Y	Y	9.1
3	<a href="#">104104066</a>	40	Advance Analytical Course	Y	Y	Y	13
4	<a href="#">104105031</a>	40	Bio-inorganic chemistry	Y	Y	Y	12
5	<a href="#">104105033</a>	40	Co-ordination chemistry (chemistry of transition elements)	Y	Y	Y	9.6
6	<a href="#">104105034</a>	40	Heterocyclic Chemistry	Y	Y	Y	12
7	<a href="#">104105038</a>	40	Organic photochemistry and pericyclic reactions	Y	Y	Y	11
8	<a href="#">104105039</a>	41	Polymer Chemistry	Y	Y	Y	12
9	<a href="#">104105041</a>	40	Rate processes	Y	Y	Y	11
10	<a href="#">104106048</a>	25	Principles and Applications of Electron Paramagnetic Resonance Spectroscopy	Y	Y	Y	15
11	<a href="#">104108055</a>	40	Essentials in Immunology	Y	Y	Y	11
12	<a href="#">104108056</a>	40	Eukaryotic Gene Expression - basics and benefits	Y	Y	Y	20
13	<a href="#">104108057</a>	49	Introductory Quantum Chemistry	Y	Y	Y	20
14	<a href="#">104108062</a>	40	Introduction to Organometallic Chemistry	Y	Y	Y	18
15	<a href="#">104106072</a>	25	NOC:Chemistry - I	Y	Y	Y	3.7
16	<a href="#">102105034</a>	28	Bio-Chemistry I	Y	Y	Y	7.2
17	<a href="#">104105076</a>	27	NOC:Biochemistry	Y	Y	Y	2.9
18	<a href="#">104106075</a>	36	NOC:Application of Spectroscopic Methods in Molecular Structure Determination	Y	Y	Y	3.8
19	<a href="#">104106074</a>	27	NOC:Chemistry-II	Y	Y	Y	8.0
20	<a href="#">104108078</a>	40	NOC:Principles and Applications of NMR Spectroscopy	Y	Y	Y	11
21	<a href="#">104106077</a>	34	NOC:Pericyclic Reactions and Organic Photochemistry	Y	Y	Y	7.1
22	<a href="#">104101079</a>	20	NOC:Organo Metallic Chemistry	Y	Y	Y	8.1
23	<a href="#">104104080</a>	40	NOC:Chemical Applications of Symmetry and Group Theory	Y	Y	Y	6.0
24	<a href="#">104106083</a>	40	NOC:Chemistry I:Introduction To Quantum Chemistry and Molecular Spectroscopy	Y	Y	Y	10
25	<a href="#">104104082</a>	45	NOC:Quantum Computing	Y	Y	Y	3.0
26	<a href="#">104104081</a>	40	NOC:Mathematics for Chemistry	Y	Y	Y	2.4
27	<a href="#">104104084</a>	40	NOC:Basics of Fluorescence Spectroscopy	Y	Y	Y	2.1
28	<a href="#">104104085</a>	40	NOC:Laser: Fundamentals and Applications	Y	Y	Y	2.0
29	<a href="#">104101084</a>	60	NOC:Chemical and Biological Thermodynamics: Principles to Applications	Y	Y	Y	55

30	<a href="#">104105084</a>	60	NOC:Analytical Chemistry	Y	Y	Y	16
31	<a href="#">104105086</a>	40	NOC:Stereochemistry	Y	Y	Y	11
32	<a href="#">104104086</a>	55	NOC:Advanced Mathematical Methods for Chemistry	Y	Y	Y	38
33	<a href="#">104101092</a>	20	NOC:Metal Mediated Synthesis - I	Y	Y	Y	19
34	<a href="#">104105088</a>	40	NOC:Introduction to Molecular Thermodynamics	Y	Y	Y	12
35	<a href="#">104101090</a>	60	NOC:Chemistry of Main Group Elements	Y	Y	Y	53
36	<a href="#">104101091</a>	60	NOC:Transition Metal Organometallic Chemistry: Principles to Applications	Y	Y	Y	54
37	<a href="#">104105087</a>	60	NOC:A Study Guide In Organic Retrosynthesis: Problem Solving Approach	Y	Y	Y	16
38	<a href="#">104106089</a>	55	NOC:Introduction to Chemical Thermodynamics and Kinetics	Y	Y	Y	29
39	<a href="#">104101093</a>	60	NOC:Inorganic Chemistry of Life: Principles and Perspectives	Y	Y	Y	42
40	<a href="#">104101094</a>	68	NOC:Symmetry and Group Theory	Y	Y	Y	32
41	<a href="#">104101095</a>	41	NOC:Computational Chemistry and Classical Molecular Dynamics	Y	Y	Y	28
42	<a href="#">104105093</a>	40	NOC:Molecules in Motion	Y	Y	Y	11
43	<a href="#">104106093</a>	62	NOC:Chemical Crystallography	Y	Y	Y	66
44	<a href="#">104106094</a>	44	NOC:Advanced Chemical Thermodynamics and Kinetics	Y	Y	Y	63
45	<a href="#">104106096</a>	56	NOC:Chemistry: Atomic Structure and Chemical Bonding	Y	Y	Y	37
46	<a href="#">104101099</a>	63	NOC:Molecular Spectroscopy: A Physical Chemists Perspective	Y	Y	Y*	43
47	<a href="#">104101100</a>	60	NOC:Advanced Transition Metal Organometallic Chemistry	Y	Y	Y	57
48	<a href="#">104104101</a>	60	NOC:Solid State Chemistry	Y	Y	Y	22
49	<a href="#">104105102</a>	53	NOC:Experimental Biochemistry	Y	Y	Y	24
50	<a href="#">104105103</a>	60	NOC:Industrial Inorganic Chemistry	Y	Y	Y	17
51	<a href="#">104105104</a>	20	NOC:Reactive Intermediates Carbene and Nitrene	Y	Y	Y	5.1
52	<a href="#">104106105</a>	52	NOC:Electrochemical Impedance Spectroscopy	Y	Y	Y	69
53	<a href="#">104106106</a>	69	NOC:Medicinal Chemistry	Y	Y	Y	78
54	<a href="#">104106107</a>	68	NOC:Chemical Principles-II	Y	Y	Y	74
55	<a href="#">104108097</a>	42	NOC:Multidimensional NMR Spectroscopy for Structural Studies of Biomolecules	Y	Y	Y	3.9
56	<a href="#">104108098</a>	61	NOC:Symmetry and Structure in the Solid State	Y	Y	Y	18
57	<a href="#">104106108</a>	8	Organic Chemistry Lab Certification	---	Y	---	18
58	<a href="#">104101115</a>	40	NOC:Mechanisms in Organic Chemistry	Y	Y	Y	33
59	<a href="#">104101116</a>	38	NOC:Metals In Biology	Y	Y	Y	34
60	<a href="#">104101117</a>	60	NOC:NMR spectroscopy for Chemists and Biologists	Y	Y	Y	47
61	<a href="#">104102113</a>	34	NOC:Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries	Y	Y	Y	30
62	<a href="#">104102114</a>	15	NOC:Introductory Non-Linear Dynamics	Y	Y	Y	8.0
63	<a href="#">104103110</a>	30	NOC:Principles Of Organic Synthesis	Y	Y	Y	27
64	<a href="#">104103111</a>	32	NOC:Reagents In Organic Synthesis	Y	Y	Y	19
65	<a href="#">104103112</a>	37	NOC:Thermodynamics: Classical to Statistical	Y	Y	Y	4.8
66	<a href="#">104104109</a>	20	NOC:Bioinorganic Chemistry	Y	Y	Y	12

67	<a href="#">104105120</a>	63	NOC:Organic Chemistry in Biology and Drug Development	Y	Y	Y	27
68	<a href="#">104106119</a>	52	NOC:Introductory Organic Chemistry I	Y	Y	Y	56
69	<a href="#">104108118</a>	43	NOC:Ultrafast Optics and Spectroscopy	Y	Y	Y	6.5
70	<a href="#">104102009</a>	42	Bio-Physical Chemistry	Y	Y	---	46
71	<a href="#">104101121</a>	19	NOC:Basics in Inorganic Chemistry	Y	Y	Y	11
72	<a href="#">104103121</a>	35	NOC:Essentials of Biomolecules: Nucleic Acids and Peptides	Y	Y	Y	18
73	<a href="#">104106122</a>	61	NOC:Fundamentals of Spectroscopy	Y	Y	Y	41
74	<a href="#">104106121</a>	51	NOC:Quantitative Methods in Chemistry	Y	Y	Y	39
75	<a href="#">104101123</a>	60	NOC:Transition Metal Organometallics in Catalysis and Biology	Y	Y	Y	44
76	<a href="#">104101122</a>	67	NOC:Ultrafast Laser Spectroscopy	Y	Y	Y	55
77	<a href="#">104101125</a>	61	NOC:Basic Statistical Mechanics	Y	Y	Y	14
78	<a href="#">104105124</a>	42	NOC:Introduction to Polymer Science	Y	Y	Y	22
79	<a href="#">104108124</a>	65	NOC:One and Two Dimensional NMR Spectroscopy for Chemists	Y	Y	Y	4.5
80	<a href="#">104101124</a>	67	NOC:Quantum Chemistry of Atoms and Molecules	Y	Y	Y	37
81	<a href="#">104101126</a>	38	NOC:Quantum Mechanics and Molecular Spectroscopy	Y	Y	Y	9.0
82	<a href="#">104101127</a>	60	NOC:Essentials of Oxidation, Reduction and C-C Bond Formation. Application in Organic Synthesis	Y	Y	Y	5.1
83	<a href="#">104101128</a>	46	NOC:Chemical Kinetics and Transition State Theory	Y	Y	---	4.2
84	<a href="#">104105127</a>	40	NOC:Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A Problem Solving Approach	Y	Y	---	7.3
85	<a href="#">104105128</a>	42	NOC:Approximate Methods in Quantum Chemistry	Y	Y	Y	3.4
86	<a href="#">104106127</a>	56	NOC:Symmetry, Stereochemistry and Applications	Y	Y	Y	3.8
87	<a href="#">104106128</a>	64	NOC:Symmetry and Group Theory (2021)	Y	Y	Y	3.5
88	<a href="#">104101130</a>	77	NOC:Concepts of Chemistry for Engineering	Y	Y	Y	9.2
89	<a href="#">104104130</a>	40	NOC:Chemistry and Physics of Surfaces and Interfaces	Y	Y	---	4.1
90	<a href="#">104105130</a>	60	NOC:Biological Inorganic Chemistry	Y	Y	---	4.7
91	<a href="#">104106131</a>	61	NOC:Introductory Organic Chemistry - II	Y	Y	Y	2.4
92	<a href="#">104108132</a>	56	NOC:Time Dependent Quantum Chemistry	Y	Y	Y	4.3
93	<a href="#">104101133</a>	58	NOC:Classics in Total Synthesis-I	---	Y	---	4.7
94	<a href="#">104101134</a>	62	NOC:Circular Dichroism and Mossbauer Spectroscopy for Chemists	Y	Y	Y	3.7
95	<a href="#">104101135</a>	60	NOC:NMR Spectroscopy for Structural Biology	---	Y	---	6.8
96	<a href="#">104101136</a>	60	NOC:Transition Metal Chemistry	Y	Y	Y	7.6
97	<a href="#">104105133</a>	40	NOC:Principles and Applications of Enolate Alkylation	Y	Y	Y	3.5
98	<a href="#">104101137</a>	60	NOC:Nuclear and Radiochemistry	---	Y	---	7.4
99	<a href="#">104106137</a>	43	NOC:Elementary Electrochemistry	Y	Y	Y	4.6
100	<a href="#">104106138</a>	26	NOC:Organic Chemistry-I (Tamil)	---	Y	---	2.0
101	<a href="#">104101139</a>	60	NOC:Fundamentals of Statistical Thermodynamics	Y	Y	Y	6.7
102	<a href="#">104105139</a>	60	NOC:Overview and Integration of Cellular Metabolism	Y	Y	Y	6.8
103	<a href="#">104101362</a>	60	NOC:Interpretative Molecular Spectroscopy	---	Y	---	4.7

104	<a href="#">104101366</a>	75	NOC:Many Body Methods in Quantum Chemistry	---	Y	---	19
105	<a href="#">104104364</a>	40	NOC:Supramolecular Chemistry-I	---	Y	---	3.1
106	<a href="#">104105365</a>	60	NOC:Elementary Thermodynamics for All	---	Y	---	4.3
107	<a href="#">104108363</a>	60	NOC:One and Two Dimensional NMR Spectroscopy: Concepts and Spectral Analysis	---	Y	---	7.8
108	<a href="#">104105085</a>	40	NOC:Co-ordination Chemistry (Chemistry of Transition Elements)	---	Y	---	19
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1	<a href="#">105101005</a>	38	Soil Dynamics	Y	Y	Y	19
2	<a href="#">105101006</a>	38	Structural Dynamics	Y	Y	Y	19
3	<a href="#">105101010</a>	40	Watershed Management	Y	Y	Y	41
4	<a href="#">105101082</a>	42	Fluid Mechanics	Y	Y	Y	9.6
5	<a href="#">105101084</a>	57	Soil Mechanics	Y	Y	Y	15
6	<a href="#">105101086</a>	40	Structural Analysis II	Y	Y	Y	9.8
7	<a href="#">105101134</a>	43	Geotechnical Earthquake Engineering	Y	Y	Y	37
8	<a href="#">105101143</a>	63	Geosynthetics Engineering: In Theory and Practice	Y	Y	Y	59
9	<a href="#">105102012</a>	41	Concrete Technology	Y	Y	Y	37
10	<a href="#">105102016</a>	30	Seismic Analysis of Structures	Y	Y	Y	27
11	<a href="#">105102088</a>	41	Building Materials and Construction	Y	Y	Y	12
12	<a href="#">105103021</a>	43	Advanced Hydraulics	Y	Y	Y	22
13	<a href="#">105103094</a>	40	Design of Steel Structures	Y	Y	---	9.1
14	<a href="#">105103096</a>	40	Hydraulics	Y	Y	Y	20
15	<a href="#">105104029</a>	44	Advanced Hydrology	Y	Y	Y	21
16	<a href="#">105104030</a>	40	Concrete Engineering and Technology	Y	Y	Y	16
17	<a href="#">105104099</a>	39	Environmental Air Pollution	Y	Y	Y	7.0
18	<a href="#">105104101</a>	40	Surveying	Y	Y	Y	6.8
19	<a href="#">105104103</a>	29	Water Resources Engineering	Y	Y	Y	3.5
20	<a href="#">105104131</a>	40	Geotechnical Measurements and Explorations	Y	Y	Y	11
21	<a href="#">105104135</a>	40	Application of Soil Mechanics	Y	Y	Y	11
22	<a href="#">105105039</a>	40	Advanced Foundation Engineering	Y	Y	Y	12
23	<a href="#">105105043</a>	40	Numerical Methods in Civil Engineering	Y	Y	Y	11
24	<a href="#">105105045</a>	40	Probability Methods in Civil Engineering	Y	Y	Y	19
25	<a href="#">105105105</a>	30	Design of Reinforced Concrete Structures	Y	Y	Y	6.3
26	<a href="#">105105106</a>	40	Engineering Geology	Y	Y	Y	12
27	<a href="#">105105107</a>	41	Introduction to Transportation Engineering	Y	Y	Y	8.2
28	<a href="#">105105108</a>	40	Strength of Materials	Y	Y	Y	12
29	<a href="#">105106050</a>	41	Advanced Structural Analysis	Y	Y	Y	18
30	<a href="#">105106051</a>	40	Finite Element Analysis	Y	Y	Y	27

31	<a href="#">105106052</a>	40	Geosynthetics and Reinforced Soil Structures	Y	Y	Y	17
32	<a href="#">105106053</a>	42	Modern Construction Materials	Y	Y	Y	7.2
33	<a href="#">105106058</a>	40	Urban Transportation Planning	Y	Y	Y	19
34	<a href="#">105106116</a>	39	Mechanics of solids	Y	Y	Y	3.5
35	<a href="#">105106118</a>	40	Pre-stressed Concrete Structures	Y	Y	Y	11
36	<a href="#">105106119</a>	40	Water and Waste Water Engineering	Y	Y	Y	11
37	<a href="#">105107120</a>	40	Foundation Engineering	Y	Y	Y	7.8
38	<a href="#">105107121</a>	40	Modern Surveying Techniques	Y	Y	Y	1.9
39	<a href="#">105107123</a>	40	Transportation Engineering II	Y	Y	Y	8.2
40	<a href="#">105108075</a>	40	Ground Improvement Techniques	Y	Y	Y	11
41	<a href="#">105108079</a>	40	Stochastic Hydrology	Y	Y	Y	19
42	<a href="#">105108080</a>	42	Stochastic Structural Dynamics	Y	Y	Y	19
43	<a href="#">105108130</a>	40	Water Resources Systems : Modeling Techniques and Analysis	Y	Y	Y	20
44	<a href="#">105105042</a>	40	Ground Water Hydrology	Y	Y	Y	9.0
45	<a href="#">105101001</a>	60	Advanced Geotechnical Engineering	Y	Y	Y	53
46	<a href="#">105106145</a>	40	NOC:Sustainable River Basin Management	Y	Y	Y	2.8
47	<a href="#">105106149</a>	57	NOC:Project Planning and Control	Y	Y	Y	6.5
48	<a href="#">105105150</a>	25	NOC:Probability Methods in Civil Engineering	Y	Y	Y	2.8
49	<a href="#">105104147</a>	65	NOC:Geology and Soil Mechanics	Y	Y	Y	4.9
50	<a href="#">105104148</a>	32	NOC:Engineering Graphics	Y	Y	Y	1.6
51	<a href="#">105106151</a>	68	NOC:Structural Dynamics	Y	Y	Y	12
52	<a href="#">105104152</a>	20	NOC:Earth Sciences for Civil Engineering	Y	Y	Y	1.6
53	<a href="#">105108141</a>	40	Finite Element method for vibration and Stability analyses	Y	Y	Y	14
54	<a href="#">105107155</a>	20	NOC:Introduction to Geographic Information Systems	Y	Y	Y	5.3
55	<a href="#">105107156</a>	20	NOC:Principles and Applications of Building Science	Y	Y	Y	6.2
56	<a href="#">105107157</a>	20	NOC:GPS Surveying	Y	Y	Y	6.4
57	<a href="#">105105156</a>	20	NOC:Visual Semiotics for Visual Communication	Y	Y	Y	7.6
58	<a href="#">105104156</a>	20	NOC:Earth Sciences for Civil Engineering - Part 2	Y	Y	Y	2.1
59	<a href="#">105102159</a>	40	Water Management	Y	Y	Y	27
60	<a href="#">105107158</a>	40	NOC:Digital Land Surveying And Mapping	Y	Y	Y	11
61	<a href="#">105105157</a>	40	NOC:Life Cycle Assessment	Y	Y	Y	11
62	<a href="#">105104157</a>	32	NOC:Hydration, Porosity and Strength of Cementitious Materials	Y	Y	Y	2.4
63	<a href="#">105101160</a>	22	NOC:Geotechnical Engineering Laboratory	Y	Y	Y	11
64	<a href="#">105104160</a>	60	NOC:Mechanics of Solids	Y	Y	Y	4.6
65	<a href="#">105104161</a>	37	NOC:Principles of Construction Management	Y	Y	Y	5.4
66	<a href="#">105104162</a>	40	NOC:Foundation Design	Y	Y	Y	2.6
67	<a href="#">105105160</a>	62	NOC:Integrated Waste Management for a Smart City	Y	Y	Y	16
68	<a href="#">105105161</a>	51	NOC:Computational Hydraulics	Y	Y	Y	13

69	<a href="#">105105162</a>	63	NOC:Design of Steel Structures	Y	Y	Y	18
70	<a href="#">105105165</a>	20	NOC:Reinforced Concrete Road Bridges	Y	Y	Y	5.8
71	<a href="#">105105166</a>	61	NOC:Structural Analysis - I	Y	Y	Y	17
72	<a href="#">105107160</a>	20	NOC:Digital Image Processing of Remote Sensing Data	Y	Y	Y	5.2
73	<a href="#">105102160</a>	42	NOC:Geoenvironmental Engineering (Environmental Geotechnology) Landfills, Slurry Ponds and Contaminated Sites	Y	Y	Y	29
74	<a href="#">105105169</a>	22	NOC:Electronic Waste Management: Issues And Challenges	Y	Y	Y	5.9
75	<a href="#">105107174</a>	20	NOC:Digital Elevation Models and Applications	Y	Y	Y	5.7
76	<a href="#">105104167</a>	21	NOC:Photogeology In Terrain Evaluation	Y	Y	Y	4.7
77	<a href="#">105102175</a>	55	NOC:Energy Efficiency, Acoustics and Daylighting in Building	Y	Y	Y	27
78	<a href="#">105106172</a>	102	NOC:Mechanics of Materials	Y	Y	Y	18
79	<a href="#">105107173</a>	60	NOC:Applied Environmental Microbiology	Y	Y	Y	15
80	<a href="#">105105168</a>	61	NOC:Soil Mechanics, Geotechnical Engineering-I	Y	Y	Y	15
81	<a href="#">105105170</a>	60	NOC:Mineral Resources: Geology, Exploration, Economics and Environment	Y	Y	Y	16
82	<a href="#">105105171</a>	64	NOC:Introduction to Mineral Processing	Y	Y	Y	17
83	<a href="#">105101176</a>	21	NOC:Geosynthetics Testing Laboratory	Y	Y	Y	20
84	<a href="#">105102176</a>	56	NOC:Fire Protection, Services and Maintenance Management of Building	Y	Y	Y	28
85	<a href="#">105103176</a>	36	NOC:Higher Surveying	Y	Y	Y	20
86	<a href="#">105103177</a>	36	NOC:Unsaturated Soil Mechanics	Y	Y	Y	9.3
87	<a href="#">105104177</a>	20	NOC:Photogeology In Terrain Evaluation - Part 2	Y	Y	Y	5.7
88	<a href="#">105104178</a>	38	NOC:Introduction to Accounting and Finance for Civil Engineers	Y	Y	Y	11
89	<a href="#">105105176</a>	60	NOC:Foundation Engineering	Y	Y	Y	18
90	<a href="#">105105177</a>	60	NOC:Theory of Elasticity	Y	Y	Y	17
91	<a href="#">105105178</a>	62	NOC:Wastewater Treatment and Recycling	Y	Y	Y	15
92	<a href="#">105105179</a>	40	NOC:Fluid Inclusion in Mineral Principles, Methodology, Practice and Application	Y	Y	Y	12
93	<a href="#">105105180</a>	42	NOC:Matrix Method of Structural Analysis	Y	Y	Y	9.0
94	<a href="#">105106176</a>	44	NOC:Advanced Concrete Technology	Y	Y	Y	78
95	<a href="#">105106177</a>	87	NOC:Glass in buildings: Design and Application	Y	Y	Y	64
96	<a href="#">105106178</a>	75	NOC:Glass Processing Technology	Y	Y	Y	50
97	<a href="#">105107176</a>	60	NOC:Environmental Engineering-Chemical Processes	Y	Y	Y	12
98	<a href="#">105103182</a>	21	NOC:Subsurface Exploration: Importance and Techniques Involved	Y	Y	Y	8.8
99	<a href="#">105104183</a>	43	NOC:Natural Hazards - Part 1	Y	Y	Y*	14
100	<a href="#">105105184</a>	40	NOC:Plastic Waste Management	Y	Y	Y	11
101	<a href="#">105105185</a>	60	NOC:Geotechnical Engineering-II Foundation Engineering	Y	Y	Y	16
102	<a href="#">105105186</a>	43	NOC:Mass, Momentum and Energy Balances in Engineering Analysis	Y	Y	Y	11
103	<a href="#">105106187</a>	29	NOC:Advanced Topics in the Science and Technology of Concrete	Y	Y	Y	39
104	<a href="#">105106188</a>	47	NOC:Infrastructure Planning and Managements	Y	Y	Y	64
105	<a href="#">105107181</a>	63	NOC:Environmental Remediation of Contaminated Sites	Y	Y	Y	16



106	105101196	53	NOC:Environmental Geotechnics	Y	Y	Y	17
107	105102195	47	NOC:Sustainable Materials and Green Buildings	Y	Y	Y	23
108	105102199	12	NOC:Scheduling Techniques in Projects	Y	Y	Y	9.1
109	105103192	37	NOC:Fluid Mechanics	Y*	Y	Y*	15
110	105103193	24	NOC:Remote Sensing and GIS	Y	Y	Y	9.8
111	105104189	13	NOC:Structural Dynamics for Civil Engineers - SDOF systems	Y	Y	Y	6.4
112	105104190	38	NOC:Geomorphic Processes: Landforms and Landscapes	Y	Y	Y	13
113	105104191	48	NOC:Structural Geology	Y	Y	Y	38
114	105106197	40	NOC:Design of Masonry Structures	Y	Y	Y	85
115	105107194	20	NOC:Global Navigation Satellite Systems And Applications	Y	Y	Y	4.7
116	105106200	67	NOC:Characterization of Construction Materials	Y	Y	Y	53
117	105104200	57	NOC:Earthquake Geology: A tool for Seismic Hazard Assessment	Y	Y	Y	34
118	105101200	56	NOC:Environmental Geomechanics	Y	Y	Y	25
119	105107200	60	NOC:Geomorphology	Y	Y	Y	13
120	105105202	19	NOC:Geo Spatial Analysis in Urban Planning	Y	Y	Y	5.3
121	105101201	28	NOC:Geotechnical Engineering - 1	Y	Y	Y	47
122	105105203	63	NOC:Hydraulic Engineering	Y	Y	Y	17
123	105106201	20	NOC:Introduction to Civil Engineering Profession	Y	Y	Y	23
124	105106202	35	NOC:Maintenance and Repair of Concrete Structures	Y	Y	Y	26
125	105106203	56	NOC:Mechanical Characterization of Bituminous Materials	Y	Y	Y	40
126	105107201	56	NOC:Remote Sensing Essentials	Y	Y	Y	14
127	105105200	66	NOC:Soil Structure Interaction	Y	Y	Y	28
128	105105201	62	NOC:Water Supply Engineering	Y	Y	Y	20
129	105107204	40	NOC:Earthquake Resistant Design of Foundations	---	Y	---	5.9
130	105108204	64	NOC:Introduction to Engineering Seismology	Y	Y	---	9.9
131	105105204	60	NOC:Introduction to Multimodal Urban Transportation Systems	Y	Y	Y	17
132	105103205	43	NOC:Municipal Solid Waste Management	Y	Y	Y	9.7
133	105103204	24	NOC:River Engineering	Y	Y	Y	6.6
134	105101206	67	NOC:Remote Sensing: Principles and Applications	Y	Y	Y	16
135	105102206	27	NOC:Safety in Construction	Y	Y	Y	5.4
136	105103206	22	NOC:Construction Methods and Equipment Management	Y	Y	Y	4.7
137	105103207	57	NOC:Advanced Soil Mechanics	Y	Y	Y	5.7
138	105104206	32	NOC:Development and Applications of Special Concretes	Y	Y	Y	3.9
139	105105207	70	NOC:Advanced Foundation Engineering	Y	Y	Y	7.8
140	105105208	60	NOC:Urban Transport Systems Planning	Y	Y	Y	7.1
141	105106206	51	NOC:Basic Construction Materials	Y	Y	Y	6.4
142	105107206	60	NOC:Geographic Information Systems	Y	Y	Y	13
143	105107207	60	NOC:Water and Waste Water Treatment	Y	Y	Y	8.1

144	105107208	60	NOC:Rock Engineering	Y	Y	Y	7.1
145	105101209	29	NOC:Dynamics of Structures	Y	Y	Y	2.9
146	105103209	36	NOC:Plates and Shells	Y	Y	Y	5.3
147	105103210	38	NOC:Optimization methods for Civil engineering	Y	Y	---	4.1
148	105105209	252	NOC:Structural Reliability	Y	Y	Y	4.2
149	105105210	60	NOC:Ground Improvement	Y	Y	Y	8.2
150	105105211	20	NOC:Remote Sensing of Leaf Area Index and Primary Productivity	Y	Y	Y	2.5
151	105105212	61	NOC:Rock Mechanics and Tunneling	Y	Y	Y	6.3
152	105107209	60	NOC:Finite Element Method and Computational Structural Dynamics	Y	Y	Y	12
153	105107210	60	NOC:Sustainable Transportation Systems	Y	Y	Y	7.1
154	105101213	58	NOC:Microwave Remote Sensing in Hydrology	---	Y	---	11
155	105101214	60	NOC:Groundwater Hydrology and Management	Y	Y	Y	4.8
156	105101215	60	NOC:Rural Water Resources Management	Y	Y	Y	4.4
157	105103213	83	NOC:Engineering Hydrology	Y	Y	Y	8.8
158	105103214	28	NOC:Expansive Soil	Y	Y	Y	2.9
159	105105213	63	NOC:Retrofitting and Rehabilitation of Civil Infrastructure	Y	Y	---	6.5
160	105105214	62	NOC:Surface Water Hydrology	Y	Y	Y	11
161	105105215	66	NOC:Traffic Engineering	---	Y	Y	11
162	105106213	77	NOC:Introduction to Lean Construction	Y	Y	Y	3.4
163	105107213	60	NOC:Air Pollution and Control	Y	Y	Y	6.8
164	105101216	52	NOC:Geotechnical Engineering-II	Y	Y	Y	12
165	105104216	17	NOC:Introductory Field Structural Geology	---	Y	---	4.3
166	105105216	43	NOC:Bridge Engineering	---	Y	---	5.3
167	105105217	60	NOC:Elastic Stability of Structures	---	Y	Y	4.0
168	105105218	35	NOC:Radiogenic Isotope Geology	---	Y	---	2.5
169	105105219	60	NOC:Availability and Management of Groundwater Resources	Y	Y	Y	5.0
170	105106216	23	NOC:Design of Connections in Steel Structures	Y	Y	Y	1.8
171	105107216	60	NOC:Underground Space Technology	Y	Y	Y	6.1
172	105107217	60	NOC:Environmental Modeling and Simulation	---	Y	---	6.4
173	105107218	60	NOC:Advanced Geomatics Engineering	---	Y	---	7.9
174	105107219	60	NOC:Pavement Materials (Under Pavement Engineering)	Y	Y	Y	8.0
175	105107220	62	NOC:Geometric Design of Highways	---	Y	---	5.9
176	105101221	60	NOC:Remote Sensing and GIS for Rural Development	Y	Y	Y	6.4
177	105103221	38	NOC:Vibration of Continuous Systems	---	Y	---	4.5
178	105105221	60	NOC:Soil Dynamics	Y	Y	---	5.2
179	105106221	54	NOC:Analysis and Design of Bituminous Pavements	Y	Y	---	8.1
180	105106222	44	NOC:FEM and Constitutive Modelling in Geomechanics	Y	Y	Y	6.4
181	105106223	65	NOC:The Evolution of the Earth and life	Y	Y	---	5.2

182	<a href="#">105103224</a>	36	NOC:Reliability-Based Structural Design	---	Y	---	3.9
183	<a href="#">105104224</a>	44	NOC:Earth Sciences for Civil Engineering (Hindi)	---	Y	---	4.5
184	<a href="#">105105224</a>	69	NOC:Geotechnical Earthquake Engineering	---	Y	---	7.7
185	<a href="#">105105225</a>	57	NOC:Earthquake Seismology	Y	Y	---	5.0
186	<a href="#">105105226</a>	60	NOC:Engineering Geology	---	Y	---	8.6
187	<a href="#">105106224</a>	67	NOC:Advanced Reinforced Concrete Design	---	Y	---	8.3
188	<a href="#">105106225</a>	76	NOC:Admixtures and Special Concretes	---	Y	---	12
189	<a href="#">105107224</a>	60	NOC:Plate Tectonics	Y	Y	Y	9.5
190	<a href="#">105107225</a>	60	NOC:Earthquake Geotechnical Engineering	Y	Y	---	7.3
191	<a href="#">105103346</a>	30	NOC:Applied Seismology for Engineers	---	Y	---	8.1
192	<a href="#">105103347</a>	41	NOC:Structural Vibration	---	Y	---	3.6
193	<a href="#">105104348</a>	42	NOC:Construction Management	---	Y	---	4.2
194	<a href="#">105104349</a>	39	NOC:Laboratory Practices in Earth Sciences: Landscape Mapping	---	Y	---	5.5
195	<a href="#">105105350</a>	60	NOC:Industrial Wastewater Treatment	---	Y	---	6.0
196	<a href="#">105106351</a>	22	NOC:Advanced Topics in Science and Technology of Concrete	---	Y	---	2.4

**Discipline : Computer Science and Engineering**

[Go to Top](#)

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1	<a href="#">106101007</a>	40	Natural Language Processing	Y	Y	Y	31
2	<a href="#">106101060</a>	34	Design and Analysis of Algorithms	Y	Y	Y	8.3
3	<a href="#">106101061</a>	39	Software Engineering	Y	Y	Y	11
4	<a href="#">106102011</a>	40	Computational Geometry	Y	Y	Y	26
5	<a href="#">106102013</a>	39	Logic for CS	Y	Y	Y	31
6	<a href="#">106102062</a>	38	Computer Architecture (Prof. Anshul Kumar)	Y	Y	Y	9.0
7	<a href="#">106102064</a>	36	Data Structures And Algorithms	Y	Y	Y	9.3
8	<a href="#">106102065</a>	35	Introduction to Computer Graphics	Y	Y	Y	7.7
9	<a href="#">106102067</a>	40	Principles of Programming Languages	Y	Y	Y	9.8
10	<a href="#">106102114</a>	34	Parallel Computing	Y	Y	Y	8.8
11	<a href="#">106103116</a>	44	Design Verification and Test of Digital VLSI Circuits	Y	Y	Y	25
12	<a href="#">106104019</a>	35	Computer Algorithms - 2	Y	Y	Y	18
13	<a href="#">106104028</a>	42	Theory of Computation	Y	Y	Y	20
14	<a href="#">106104074</a>	24	Introduction to Problem Solving and Programming	Y	Y	Y	2.5
15	<a href="#">106104118</a>	30	Riemann Hypothesis and its Applications	Y	Y	Y	6.9
16	<a href="#">106104119</a>	26	Biometrics	Y	Y	Y	11
17	<a href="#">106104120</a>	25	Parallel Algorithm	Y	Y	Y	13
18	<a href="#">106104122</a>	36	Computer Architecture (Dr. Mainak Chaudhuri)	Y	Y	Y	15
19	<a href="#">106104123</a>	30	Compiler Design (Prof. Sanjeev K Aggarwal)	Y	Y	Y	12
20	<a href="#">106104128</a>	59	NOC:Introduction to Programming in C	Y	Y	Y	3.1
21	<a href="#">106105031</a>	41	Cryptography and Network Security	Y	Y	Y	19

22	<a href="#">106105033</a>	41	High Performance Computer Architecture	Y	Y	Y	11
23	<a href="#">106105034</a>	40	Low Power VLSI Circuits and Systems	Y	Y	Y	19
24	<a href="#">106105036</a>	40	Real Time Systems	Y	Y	Y	8.1
25	<a href="#">106105077</a>	40	Artificial Intelligence (Prof. S. Sarkar, Prof. Anupam Basu)	Y	Y	Y	8.8
26	<a href="#">106105079</a>	28	Artificial Intelligence (Prof.P. Dasgupta)	Y	Y	Y	7.6
27	<a href="#">106105081</a>	40	Computer Networks	Y	Y	Y	12
28	<a href="#">106105082</a>	41	Data Communication	Y	Y	Y	9.4
29	<a href="#">106105083</a>	35	Electronic Design Automation	Y	Y	Y	7.5
30	<a href="#">106105084</a>	40	Internet Technology	Y	Y	Y	12
31	<a href="#">106105085</a>	32	Programming and Data Structure	Y	Y	Y	4.8
32	<a href="#">106106046</a>	43	Pattern Recognition	Y	Y	Y	19
33	<a href="#">106106048</a>	42	Performance Evaluation of Computer Systems	Y	Y	Y	17
34	<a href="#">106106049</a>	42	Theory of Automata, Formal Languages and Computation	Y	Y	Y	19
35	<a href="#">106106090</a>	43	Computer Graphics	Y	Y	Y	11
36	<a href="#">106106092</a>	33	Computer Organization	Y	Y	Y	7.6
37	<a href="#">106106093</a>	43	Database Design	Y	Y	Y	12
38	<a href="#">106106094</a>	40	Discrete Mathematical Structures	Y	Y	Y	11
39	<a href="#">106106126</a>	48	Artificial Intelligence (Prof. Deepak Khemani)	Y	Y	Y	36
40	<a href="#">106106127</a>	61	NOC:Programming, Data Structures and Algorithms	Y	Y	Y	13
41	<a href="#">106106129</a>	65	NOC:Introduction to Information Security I	Y	Y	Y	8.8
42	<a href="#">106106130</a>	18	NOC:Programming and Data structures (PDS)	Y	Y	Y	3.2
43	<a href="#">106106131</a>	56	NOC:Design and Analysis of Algorithms	Y	Y	Y	2.2
44	<a href="#">106106133</a>	55	NOC:Programming, Data Structures and Algorithms (Aricent)	---	Y	Y	5.2
45	<a href="#">106108051</a>	41	Combinatorics	Y	Y	Y	12
46	<a href="#">106108052</a>	50	Compiler Design (Prof. Y.N. Srikanth)	Y	Y	Y	18
47	<a href="#">106108054</a>	40	Graph Theory	Y	Y	Y	19
48	<a href="#">106108055</a>	41	High Performance Computing	Y	Y	Y	16
49	<a href="#">106108056</a>	41	Numerical Optimization	Y	Y	Y	11
50	<a href="#">106108058</a>	43	Storage Systems	Y	Y	Y	12
51	<a href="#">106108102</a>	40	System Analysis and Design	Y	Y	Y	11
52	<a href="#">106108113</a>	46	Principles of Compiler Design	Y	Y	Y	13
53	<a href="#">106106134</a>	33	NOC:Computer Architecture	Y	Y	Y	3.0
54	<a href="#">106106136</a>	55	NOC:Model Checking	Y	Y	Y	2.2
55	<a href="#">106106137</a>	28	NOC:Functional Programming in Haskell	Y	Y	Y	1.8
56	<a href="#">106104135</a>	48	NOC:Fundamentals of Database Systems	Y	Y	Y	3.1
57	<a href="#">106106141</a>	42	NOC:Information Security - II	Y	Y	Y	8.8
58	<a href="#">106106139</a>	86	NOC:Introduction to Machine Learning (Sponsored by Arihant)	Y	Y	Y	28
59	<a href="#">106106140</a>	113	NOC:Artificial Intelligence: Knowledge Representation & Reasoning	Y	Y	Y	6.1

60	<a href="#">106106138</a>	71	Virtual Reality	---	Y	Y	20
61	<a href="#">106106142</a>	48	NOC:Algorithms for Big Data	Y	Y	Y	11
62	<a href="#">106105154</a>	21	NOC:Complex Network : Theory and Application	Y	Y	Y	5.1
63	<a href="#">106105153</a>	52	NOC:Object-Oriented Analysis and Design	Y	Y	Y	12
64	<a href="#">106105152</a>	44	NOC:Introduction to Machine Learning	Y	Y	Y	11
65	<a href="#">106105151</a>	56	NOC:Programming in C++	Y	Y	Y	13
66	<a href="#">106105150</a>	20	NOC:Software Testing	Y	Y	Y	4.7
67	<a href="#">106104148</a>	40	NOC:Theory of Computation	Y	Y	Y	3.7
68	<a href="#">106107155</a>	20	NOC:Introduction to Cryptology	Y	Y	Y	5.4
69	<a href="#">106104149</a>	18	NOC:Modern Algebra	Y	Y	Y	1.9
70	<a href="#">106106146</a>	34	NOC:Privacy and Security in Online Social Networks	Y	Y	Y	5.5
71	<a href="#">106106145</a>	45	NOC:Programming, Data Structures and Algorithms in Python	Y	Y	Y	2.5
72	<a href="#">106106144</a>	39	NOC:Introduction to Operating Systems	Y	Y	Y	13
73	<a href="#">106106147</a>	39	NOC:Mobile Computing	Y	Y	Y	4.6
74	<a href="#">106106143</a>	64	NOC:Reinforcement Learning	Y	Y	Y	36
75	<a href="#">106106156</a>	37	NOC:Introduction to Modern Application Development	Y	Y	Y	1.4
76	<a href="#">106105157</a>	20	Fundamental Algorithms:Design and Analysis	Y	Y	Y	5.2
77	<a href="#">106106158</a>	42	NOC:AI:Constraint Satisfaction	Y	Y	Y*	31
78	<a href="#">106102157</a>	33	NOC:Computer Architecture	Y	Y	Y	12
79	<a href="#">106106157</a>	60	NOC:Information Security-3	Y	Y	Y	20
80	<a href="#">106105160</a>	40	NOC:Wireless Ad Hoc and Sensor Networks	Y	Y	Y	9.9
81	<a href="#">106105158</a>	65	NOC:Natural Language Processing	Y	Y	Y	16
82	<a href="#">106105161</a>	64	NOC:VLSI Physical Design	Y	Y	Y	17
83	<a href="#">106105159</a>	49	NOC:Embedded Systems Design	Y	Y	Y	8.5
84	<a href="#">106105162</a>	60	NOC:Cryptography and Network Security	Y	Y	Y	15
85	<a href="#">106105163</a>	64	NOC:Computer Architecture and Organization	Y	Y	Y	18
86	<a href="#">106105164</a>	60	NOC:Introduction to Algorithms and Analysis	Y	Y	Y	15
87	<a href="#">106105165</a>	41	NOC:Hardware Modeling using Verilog	Y	Y	Y	11
88	<a href="#">106105166</a>	60	NOC:Introduction to Internet of Things	Y	Y	Y	13
89	<a href="#">106105167</a>	60	NOC:Cloud Computing	Y	Y	Y	12
90	<a href="#">106101163</a>	60	NOC:Software Testing	Y	Y	Y	28
91	<a href="#">106106166</a>	52	NOC:Computer Organization	Y	Y	Y	23
92	<a href="#">106106167</a>	56	NOC:Introduction to Wireless and Cellular Communications	Y	Y	Y	40
93	<a href="#">106102163</a>	84	NOC:Introduction to Parallel Programming in OpenMP	Y	Y	Y	4.8
94	<a href="#">106106168</a>	27	NOC:Distributed Systems	Y	Y	Y	2.6
95	<a href="#">106106169</a>	166	NOC:Social Networks	Y	Y	Y	43
96	<a href="#">106105172</a>	20	NOC:Real Time Operating System	Y	Y	Y	5.0
97	<a href="#">106106176</a>	26	NOC:An Introduction to Probability in Computing	Y	Y	Y	8.5

98	<a href="#">106104170</a>	23	NOC:Advanced Graph Theory	Y	Y	Y	11
99	<a href="#">106105173</a>	40	NOC:Introduction to Soft Computing	Y	Y	Y	10
100	<a href="#">106105174</a>	44	NOC:Data Mining	Y	Y	Y	11
101	<a href="#">106105175</a>	42	NOC:Data Base Management System	Y	Y	Y	13
102	<a href="#">106106177</a>	28	NOC:Introduction to Human Computer Interaction	Y	Y	Y	12
103	<a href="#">106106178</a>	60	NOC:Information Security - IV	Y	Y	Y	43
104	<a href="#">106106179</a>	50	NOC:Data Science for Engineers	Y	Y	Y	15
105	<a href="#">106103180</a>	39	NOC:Computer Organization and Architecture - A Pedagogical Aspect	Y	Y	Y	9.8
106	<a href="#">106105171</a>	61	NOC:Problem Solving through Programming in C	Y	Y	Y	15
107	<a href="#">106102181</a>	26	NOC:Synthesis of Digital Systems	Y	Y	Y	27
108	<a href="#">106101182</a>	22	NOC:Design and Pedagogy of the Introductory Programming Course	Y	Y	Y	17
109	<a href="#">106103182</a>	37	NOC:Embedded Systems-Design Verification and Test	Y	Y	Y	14
110	<a href="#">106103183</a>	29	NOC:Multi-Core Computer Architecture-Storage and Interconnects	Y	Y	Y	12
111	<a href="#">106104182</a>	21	NOC:Cloud Computing and Distributed Systems	Y	Y	Y	9.0
112	<a href="#">106105182</a>	60	NOC:Software Engineering	Y	Y	Y	15
113	<a href="#">106105183</a>	60	NOC:Computer Networks and Internet Protocol	Y	Y	Y	15
114	<a href="#">106105184</a>	60	NOC:Blockchain Architecture Design and Use Cases	Y	Y	Y	32
115	<a href="#">106105185</a>	60	NOC:Switching Circuits and Logic Design	Y	Y	Y	15
116	<a href="#">106105186</a>	40	NOC:Scalable Data Science	Y	Y	Y	8.0
117	<a href="#">106106182</a>	226	NOC:The Joy of Computing using Python	Y	Y	Y	44
118	<a href="#">106106183</a>	465	NOC:Discrete Mathematics	Y	Y	Y	31
119	<a href="#">106106184</a>	117	NOC:Deep Learning	Y	Y	Y	41
120	<a href="#">106103187</a>	40	NOC:Randomized Algorithms	Y	Y	Y	28
121	<a href="#">106103188</a>	37	NOC:Parallel Algorithms	Y	Y	Y	14
122	<a href="#">106104189</a>	34	NOC:Big Data Computing	Y	Y	Y	14
123	<a href="#">106105190</a>	61	NOC:Compiler Design	Y	Y	Y	16
124	<a href="#">106105191</a>	60	NOC:Programming in Java	Y	Y	Y	17
125	<a href="#">106105192</a>	60	NOC:Discrete Structures	Y	Y	Y	20
126	<a href="#">106105193</a>	42	NOC:Embedded System Design with ARM	Y	Y	Y	9.6
127	<a href="#">106105194</a>	60	NOC:Hardware Security	Y	Y	Y	16
128	<a href="#">106105195</a>	65	NOC:Introduction to Industry 4.0 and Industrial Internet of Things	Y	Y	Y	25
129	<a href="#">106105196</a>	60	NOC:Introduction to Automata, Languages and Computation	Y	Y	Y	15
130	<a href="#">106106197</a>	77	NOC:Foundations to Computer Systems Design	Y	Y	Y*	121
131	<a href="#">106106198</a>	106	NOC:Machine Learning for Engineering and Science Applications	Y	Y	Y	70
132	<a href="#">106106199</a>	59	NOC:Information Security 5 - Secure Systems Engineering	Y	Y	Y	27
133	<a href="#">106106200</a>	56	NOC:Multimodal Interaction	Y	Y	Y	30
134	<a href="#">106106201</a>	37	NOC:Deep Learning - Part 2	Y	Y	Y	18
135	<a href="#">106106202</a>	50	NOC:Machine Learning, ML	Y	Y	Y	21

136	<a href="#">106101208</a>	120	NOC:An Introduction to Programming Through C++	Y	Y	Y	47
137	<a href="#">106101209</a>	100	NOC:Demystifying Networking	Y	Y	Y	7.6
138	<a href="#">106103205</a>	43	NOC:Discrete Mathematics	Y	Y	Y	26
139	<a href="#">106103206</a>	33	NOC:Advanced Computer Architecture	Y	Y	Y	6.7
140	<a href="#">106105214</a>	60	NOC:Operating System Fundamentals	Y	Y	Y	16
141	<a href="#">106105215</a>	60	NOC:Deep Learning (2019)	Y	Y	Y	16
142	<a href="#">106105216</a>	60	NOC:Computer Vision	Y	Y	Y	17
143	<a href="#">106105217</a>	62	NOC:Ethical Hacking	Y	Y	Y	12
144	<a href="#">106105218</a>	60	NOC:Software Project Management	Y	Y	Y	16
145	<a href="#">106105219</a>	40	NOC:Spatial Informatics	Y	Y	Y	12
146	<a href="#">106106210</a>	22	NOC:C Programming and Assembly Language	Y	Y	Y	33
147	<a href="#">106106211</a>	92	NOC:Applied Natural Language Processing	Y	Y	Y	69
148	<a href="#">106106212</a>	40	NOC:Python for Data Science	Y	Y	Y	50
149	<a href="#">106106213</a>	38	NOC:Practical Machine Learning with Tensorflow	Y	Y	Y	21
150	<a href="#">106102132</a>	40	Operating Systems	Y	Y	Y	5.0
151	<a href="#">106102220</a>	96	NOC:An Introduction to Artificial Intelligence	Y	Y	Y	24
152	<a href="#">106104221</a>	24	NOC:Arithmetic Circuit Complexity	Y	Y	Y	21
153	<a href="#">106107220</a>	60	NOC:Data Analytics with Python	Y	Y	Y	4.4
154	<a href="#">106106221</a>	59	NOC:Foundations of Cryptography	Y	Y	Y	8.3
155	<a href="#">106105220</a>	63	NOC:GPU Architectures and Programming	Y	Y	Y	13
156	<a href="#">106104220</a>	29	NOC:Introduction to Blockchain Technology and Applications	Y	Y	Y	9.5
157	<a href="#">106106220</a>	41	NOC:Introduction to Database Systems	Y	Y	Y	32
158	<a href="#">106106222</a>	37	NOC:Modern Application Development (2020.S1)	Y	Y	Y	20
159	<a href="#">106103220</a>	31	NOC:User-centric Computing for Human-Computer Interaction	Y	Y	Y	22
160	<a href="#">106105223</a>	83	NOC:Google Cloud Computing Foundation Course	Y	Y	---	1.2
161	<a href="#">110101145</a>	60	NOC:Bandit Algorithm (Online Machine Learning)	Y	Y	Y	37
162	<a href="#">106103224</a>	32	NOC:Computer Graphics	Y	Y	Y	6.0
163	<a href="#">106105225</a>	60	NOC:Data Structure and Algorithms using Java	Y	Y	---	32
164	<a href="#">106106224</a>	79	NOC:Deep Learning for Computer Vision	Y	Y	Y	6.1
165	<a href="#">106105224</a>	60	NOC:Object Oriented System Development using UML, Java and Patterns	Y	Y	Y	19
166	<a href="#">106106226</a>	95	NOC:Artificial Intelligence Search Methods For Problem Solving	Y	Y	---	11
167	<a href="#">106104227</a>	41	NOC:Computational Complexity Theory	Y	Y	---	9.5
168	<a href="#">106104228</a>	26	NOC:Randomized Methods in Complexity	Y	Y	Y	5.4
169	<a href="#">106108227</a>	72	NOC:Discrete Mathematics (IIITB)	Y	Y	Y	5.2
170	<a href="#">106102229</a>	33	NOC:Advanced Computer Architecture	Y	Y	Y	3.6
171	<a href="#">106103229</a>	43	NOC:C-Based VLSI Design	Y	Y	Y	5.6
172	<a href="#">106105229</a>	61	NOC:Real-Time Systems	Y	Y	Y	5.5
173	<a href="#">106105230</a>	60	NOC:Algorithms for Protein Modelling and Engineering	Y	Y	---	7.0

174	<a href="#">106106229</a>	63	NOC:Computational Complexity	Y	Y	---	6.2
175	<a href="#">106106230</a>	50	NOC:Parameterized Algorithms	Y	Y	---	5.3
176	<a href="#">106106231</a>	54	NOC:Getting Started with Competitive Programming	Y	Y	Y	1.9
177	<a href="#">106106232</a>	25	NOC:Introduction to Quantum Computing: Quantum Algorithms and Qiskit	---	Y	---	1.8
178	<a href="#">106108229</a>	59	NOC:Secure Computation: Part I	Y	Y	Y	5.1
179	<a href="#">106104233</a>	32	NOC:Probability for Computer Science	Y	Y	---	4.7
180	<a href="#">106101234</a>	55	NOC:Design and Engineering of Computer Systems	Y	Y	Y	5.6
181	<a href="#">106101235</a>	25	NOC:Software Conceptual Design	Y	Y	Y	0.4
182	<a href="#">106105234</a>	75	NOC:Programming in Modern C++	Y	Y	Y	8.9
183	<a href="#">106105235</a>	60	NOC:Blockchain and its Applications	---	Y	---	7.1
184	<a href="#">106106234</a>	18	NOC:Systems and Usable Security	---	Y	---	1.4
185	<a href="#">106106235</a>	25	NOC:Online Privacy	Y	Y	---	4.0
186	<a href="#">106106236</a>	62	NOC:Introduction to Machine Learning (Tamil)	---	Y	---	3.6
187	<a href="#">106106237</a>	48	Compiler Design	---	Y	---	4.1
188	<a href="#">106101237</a>	62	NOC:Introduction to Game Theory and Mechanism Design	---	Y	---	3.3
189	<a href="#">106101238</a>	20	NOC:Introduction to Computer and Network Performance Analysis using Queuing Systems	---	Y	---	2.3
190	<a href="#">106102237</a>	28	NOC:Advanced Distributed systems	Y	Y	Y	3.5
191	<a href="#">106103237</a>	44	NOC:Design and Implementation of Human-Computer Interfaces	Y	Y	Y	5.8
192	<a href="#">106105237</a>	60	NOC:Algorithmic Game Theory	Y	Y	Y	4.2
193	<a href="#">106105238</a>	40	NOC:Machine Learning for Earth System Sciences	Y	Y	Y	4.3
194	<a href="#">106105239</a>	60	NOC:Statistical Learning for Reliability Analysis	Y	Y	Y	6.7
195	<a href="#">106106238</a>	61	NOC:Applied Accelerated Artificial Intelligence	Y	Y	Y	4.2
196	<a href="#">106106239</a>	74	NOC:Social Network Analysis	Y	Y	Y	5.5
197	<a href="#">106108237</a>	62	NOC:Secure Computation - Part II	Y	Y	Y	5.1
198	<a href="#">106104241</a>	60	NOC:Circuit Complexity Theory	---	Y	---	11
199	<a href="#">106104242</a>	22	NOC:Foundation of Cloud IoT Edge ML	Y	Y	---	4.9
200	<a href="#">106105241</a>	59	NOC:Foundations of Cyber Physical Systems	Y	Y	Y	6.0
201	<a href="#">106105242</a>	60	NOC:Selected Topics in Algorithms	Y	Y	Y	3.6
202	<a href="#">106106241</a>	59	NOC:Quantum Algorithms and Cryptography	---	Y	---	5.2
203	<a href="#">106106242</a>	69	NOC:Theory of Computation (2023)	---	Y	---	12
204	<a href="#">106106243</a>	67	NOC:Advanced Computer Networks	Y	Y	Y	6.8
205	<a href="#">106106244</a>	39	NOC:Affective Computing	Y	Y	---	4.6
206	<a href="#">106106245</a>	36	NOC:Optimisation for Machine Learning: Theory and Implementation (Hindi)	---	Y	---	3.3
207	<a href="#">106106246</a>	82	ACM India - RBCDSAI Summer School on DS/AI/ML	---	Y	---	7.3
208	<a href="#">106105247</a>	40	NOC:Foundations and Applications of Machine Learning (Bengali)	---	Y	---	3.5
209	<a href="#">106106247</a>	55	NOC:Machine Learning (ML) in Hindi	---	Y	---	5.3



210	<a href="#">106106248</a>	42	NOC:Cyber Security and Privacy	Y	Y	Y	4.4
211	<a href="#">106103184</a>	48	NOC:Multi-Core Computer Architecture	---	Y	---	7.4
212	<a href="#">106101360</a>	61	NOC:Games and Information	---	Y	---	7.7
213	<a href="#">106103358</a>	41	NOC:Digital Design with Verilog	---	Y	---	4.5
214	<a href="#">106103359</a>	65	NOC:Parallel Computer Architecture	---	Y	---	6.5
215	<a href="#">106104356</a>	49	NOC:Linear Programming and its Applications to Computer Science	---	Y	---	8.7
216	<a href="#">106104357</a>	48	NOC:Basics of Computational Complexity	---	Y	---	4.3
217	<a href="#">106104449</a>	16	NOC:Edge Computing	---	Y	---	2.1
218	<a href="#">106106361</a>	46	NOC:Business Intelligence and Analytics	---	Y	---	6.7

### Discipline : Engineering Design

[Go to Top](#)

Video Lecture Topics @ <http://www.digimat.in/downloads/topics/engineering-design.pdf>

1	<a href="#">107103004</a>	40	Ergonomics for beginners: Industrial design perspective	Y	Y	Y	17
2	<a href="#">107106009</a>	30	Principles of Engineering System Design	Y	Y	Y	12
3	<a href="#">107106080</a>	32	Vehicle Dynamics	Y	Y	Y	26
4	<a href="#">107103081</a>	38	NOC:System Design for Sustainability	Y	Y	Y	21
5	<a href="#">107103082</a>	15	NOC:Product Design and Innovation	Y	Y	Y	6.8
6	<a href="#">107103083</a>	15	NOC:Interaction Design	Y	Y	Y	7.8
7	<a href="#">107106081</a>	72	NOC:Control Systems	Y	Y	Y	40
8	<a href="#">107103084</a>	12	NOC:Ergonomics In Automotive Design	Y	Y	Y	13
9	<a href="#">107103085</a>	14	NOC:Ergonomics Workplace Analysis	Y	Y	Y	4.6
10	<a href="#">107101086</a>	55	NOC:Innovation by Design	Y	Y	Y	17
11	<a href="#">107101087</a>	42	NOC:Understanding Design	Y	Y	Y	6.0
12	<a href="#">107101088</a>	23	NOC:Design, Technology and Innovation	Y	Y	Y	20
13	<a href="#">107106088</a>	74	NOC:Fundamentals of Automotive Systems	Y	Y	Y	57
14	<a href="#">107105088</a>	64	NOC:Geographic Information System	Y	Y	Y	31
15	<a href="#">107106089</a>	38	NOC:Functional and Conceptual Design	Y	Y	Y	9.7
16	<a href="#">107106090</a>	43	NOC:Introduction to Robotics	Y	Y	Y	5.9
17	<a href="#">107101091</a>	67	NOC:Understanding Ethnography	Y	Y	Y	14
18	<a href="#">107101092</a>	27	NOC:Understanding Incubation and Entrepreneurship	Y	Y	---	4.3
19	<a href="#">107103093</a>	42	NOC:Ergonomics Research Techniques	---	Y	---	6.6

### Discipline : Electrical Engineering

[Go to Top](#)

Video Lecture Topics @ <http://www.digimat.in/downloads/topics/electrical-engineering.pdf>

1	<a href="#">108101002</a>	35	Nonlinear Dynamical Systems	Y	Y	Y	29
2	<a href="#">108101004</a>	45	Power System Dynamics and Control	Y	Y	Y	41
3	<a href="#">108101037</a>	47	Control Engineering (Prof. S.D. Agashe)	Y	Y	Y	13
4	<a href="#">108101038</a>	43	Power Electronics	Y	Y	Y	12
5	<a href="#">108102042</a>	51	Circuit Theory	Y	Y	Y	13
6	<a href="#">108102043</a>	41	Control Engineering (Prof. M. Gopal)	Y	Y	Y	9.2

7	<a href="#">108102045</a>	37	Embedded Systems	Y	Y	Y	9.4
8	<a href="#">108102047</a>	35	Power System Generation, Transmission and Distribution	Y	Y	Y	7.2
9	<a href="#">108102080</a>	40	Power System Dynamics	Y	Y	Y	9.8
10	<a href="#">108103007</a>	40	Advanced Control Systems	Y	Y	Y	17
11	<a href="#">108104011</a>	40	Advanced Electric Drives	Y	Y	Y	18
12	<a href="#">108104013</a>	37	High Voltage DC Transmission	Y	Y	Y	16
13	<a href="#">108104049</a>	32	Intelligent Systems and Control	Y	Y	Y	6.1
14	<a href="#">108104052</a>	35	Power Systems Operation and Control	Y	Y	Y	4.8
15	<a href="#">108105017</a>	40	Electrical Machines - I	Y	Y	Y	8.5
16	<a href="#">108105019</a>	60	Optimal Control	Y	Y	Y	12
17	<a href="#">108105054</a>	40	Chaos, Fractals and Dynamic Systems	Y	Y	Y	8.6
18	<a href="#">108105055</a>	35	Digital Signal Processing	Y	Y	Y	7.6
19	<a href="#">108105056</a>	34	Dynamics of Physical Systems	Y	Y	Y	7.4
20	<a href="#">108105058</a>	40	Energy Resources and Technology	Y	Y	Y	8.5
21	<a href="#">108105059</a>	30	Estimation of Signals and Systems	Y	Y	Y	6.1
22	<a href="#">108105060</a>	20	Illumination Engineering	Y	Y	Y	4.1
23	<a href="#">108105062</a>	40	Industrial Automation and Control	Y	Y	Y	12
24	<a href="#">108105064</a>	40	Industrial Instrumentation	Y	Y	Y	12
25	<a href="#">108105065</a>	36	Networks Signals and Systems	Y	Y	Y	11
26	<a href="#">108105067</a>	40	Power System Analysis	Y	Y	Y	12
27	<a href="#">108106023</a>	43	Modelling and Analysis of Electric Machines	---	Y	Y	19
28	<a href="#">108106068</a>	28	Analog ICs	Y	Y	Y	6.1
29	<a href="#">108106069</a>	40	Digital Integrated Circuits	Y	Y	Y	9.2
30	<a href="#">108106073</a>	42	Electromagnetic Fields	Y	Y	Y	11
31	<a href="#">108106075</a>	50	Networks and Systems	Y	Y	Y	12
32	<a href="#">108106083</a>	96	Probability Foundation for Electrical Engineers	Y	Y	Y	36
33	<a href="#">108108031</a>	42	An Introduction to Electronics Systems Packaging	Y	Y	Y	20
34	<a href="#">108108034</a>	40	Power Electronics and Distributed Generation	Y	Y	Y	14
35	<a href="#">108108035</a>	40	Pulse width Modulation for Power Electronic Converters	Y	Y	Y	12
36	<a href="#">108108036</a>	40	Switched Mode Power Conversion	Y	Y	Y	19
37	<a href="#">108108076</a>	39	Basic Electrical Technology	Y	Y	Y	11
38	<a href="#">108108077</a>	37	Industrial Drives - Power Electronics	Y	Y	Y	7.6
39	<a href="#">108106084</a>	131	NOC:Analog Circuits	Y	Y	Y	8.7
40	<a href="#">108106085</a>	29	NOC:Introduction to Non Linear Dynamics	Y	Y	Y	0.5
41	<a href="#">108105088</a>	52	NOC:Industrial Automation and Control	Y	Y	Y	13
42	<a href="#">108104087</a>	85	NOC:Electromagnetic Theory	Y	Y	Y	4.6
43	<a href="#">108101089</a>	28	Fabrication of Silicon VLSI Circuits using the MOS technology	Y	Y	Y	31
44	<a href="#">108101090</a>	83	NOC:Computational Electromagnetics and Applications	Y	Y	Y	29

45	<a href="#">108101092</a>	60	NOC:Antennas	Y	Y	Y	22
46	<a href="#">108101094</a>	41	NOC:Analog Circuits	Y	Y	Y	14
47	<a href="#">108101093</a>	71	NOC:Fundamentals of Wavelets, Filter Banks and Time Frequency Analysis	Y	Y	Y	21
48	<a href="#">108101091</a>	72	NOC:Basic Electronics	Y	Y	Y	3.5
49	<a href="#">108104092</a>	33	NOC:An Introduction to Coding Theory	Y	Y	Y	2.6
50	<a href="#">108102095</a>	51	Analog Electronic Circuits	Y	Y	Y	63
51	<a href="#">108102096</a>	38	Digital Communication	Y	Y	Y	62
52	<a href="#">108102097</a>	40	Introduction To Electronic Circuits	Y	Y	Y	32
53	<a href="#">108105091</a>	20	NOC:Medical Image Analysis	Y	Y	Y	6.0
54	<a href="#">108104091</a>	52	NOC:Principles of Communication - Part I	Y	Y	Y	2.8
55	<a href="#">108107098</a>	40	NOC:Optimal Control	Y	Y	Y	9.7
56	<a href="#">108106098</a>	55	NOC:Control Engineering	Y	Y	Y	23
57	<a href="#">108104098</a>	56	NOC:Principles of Communication Systems - Part II	Y	Y	Y	3.1
58	<a href="#">108104099</a>	66	NOC:Applied Engineering Electromagnetics	Y	Y	Y	4.3
59	<a href="#">108108098</a>	31	NOC:Design for Internet of Things	Y	Y	Y	13
60	<a href="#">108108099</a>	40	NOC:Advances in UHV Transmission and Distribution	Y	Y	Y	10
61	<a href="#">108103108</a>	24	NOC:Optimization Techniques for Digital VLSI Design	Y	Y	Y	9.5
62	<a href="#">108108110</a>	34	NOC:Electronics Enclosures Thermal Issues	Y	Y	Y	10
63	<a href="#">108106106</a>	73	NOC:Probability Foundations for Electrical Engineers	Y	Y	Y	74
64	<a href="#">108105104</a>	61	NOC:Power System Engineering	Y	Y	Y	16
65	<a href="#">108104100</a>	75	NOC:Principles of Signals and Systems	Y	Y	Y	16
66	<a href="#">108105103</a>	60	NOC:Deep Learning for Visual Computing	Y	Y	Y	13
67	<a href="#">108105101</a>	68	NOC:Biomedical Signal Processing	Y	Y	Y	17
68	<a href="#">108105102</a>	64	NOC:Microprocessors and Microcontrollers	Y	Y	Y	15
69	<a href="#">108108109</a>	79	NOC:Mathematical Methods and Techniques in Signal Processing	Y	Y	Y	19
70	<a href="#">108108111</a>	59	NOC:Integrated Circuits, MOSFETs, Op-Amps and their Applications	Y	Y	Y	20
71	<a href="#">108101112</a>	60	NOC:Microwave Theory and Techniques	Y	Y	Y	49
72	<a href="#">108101113</a>	65	NOC:Principles of Digital Communications	Y	Y	Y	56
73	<a href="#">108102112</a>	40	NOC:Analog Electronic Circuit	Y	Y	Y	34
74	<a href="#">108102113</a>	10	NOC:Nonlinear and Adaptive Control	Y	Y	Y	8.1
75	<a href="#">108103112</a>	24	NOC:Advanced Topics in Probability and Random Processes	Y	Y	Y	4.0
76	<a href="#">108104112</a>	79	NOC:Applied Optimization for Wireless, Machine Learning, Big Data	Y	Y	Y	14
77	<a href="#">108104113</a>	61	NOC:Fiber-Optic Communication Systems and Techniques	Y	Y	Y	13
78	<a href="#">108105112</a>	64	NOC:Fundamentals of Electrical Engineering	Y	Y	Y	19
79	<a href="#">108105113</a>	65	NOC:Digital Circuits	Y	Y	Y	13
80	<a href="#">108105114</a>	40	NOC:Analysis and Design Principles of Microwave Antennas	Y	Y	Y	11
81	<a href="#">108105118</a>	67	NOC:Architectural Design of Digital Integrated Circuits	Y	Y	Y	4.9
82	<a href="#">108107112</a>	40	NOC:Electrical Distribution System Analysis	Y	Y	Y	7.2

83	108107113	40	NOC:Introduction to Smart Grid	Y	Y	Y	10
84	108107114	40	NOC:Facts Devices	Y	Y	Y	8.1
85	108107115	40	NOC:Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	Y	Y	Y	6.7
86	108108112	55	NOC:Semiconductor Devices and Circuits	Y	Y	Y	5.2
87	108108113	55	NOC:Fabrication Techniques for MEMs-based Sensors: Clinical Perspective	Y	Y	Y	21
88	108108114	48	NOC:Op-Amp Practical Applications:Design,Simulation and Implementation	Y	Y	Y	18
89	108108115	39	NOC:Physical Modelling for Electronics Enclosures using Rapid Prototyping	Y	Y	Y	25
90	108108116	13	NOC:Recent Advances in Transmission Insulators	Y	Y	Y	3.0
91	108102117	39	NOC:Information Theory, Coding and Cryptography	Y	Y	Y	17
92	108101126	98	NOC:Fundamental of Power Electronics	Y	Y	Y	24
93	108102120	38	NOC:Principles of Digital Communications	Y	Y	Y	34
94	108102121	32	NOC:Electric Vehicles - Part 1	Y	Y	Y	3.6
95	108104130	41	NOC:Electromagnetic Waves in Guided and Wireless Media	Y	Y	Y	14
96	108105131	90	NOC:Electrical Machines-II	Y	Y	Y	24
97	108105132	60	NOC:Digital Electronic Circuits	Y	Y	Y	17
98	108105133	60	NOC:Power System Dynamics, Control and Monitoring	Y	Y	Y	16
99	108105134	40	NOC:Evolution of Air Interface towards 5G	Y	Y	Y	11
100	108106135	48	NOC:Introduction to Photonics	Y	Y	Y	87
101	108106136	69	NOC:Multirate DSP	Y	Y	Y	126
102	108106137	37	NOC:LDPC and Polar Codes in 5G Standard	Y	Y	Y	64
103	108106138	29	NOC:Electromagnetic Compatibility, EMC	Y	Y	Y	37
104	108107127	60	NOC:Computer Aided Power System Analysis	Y	Y	Y	9.3
105	108107128	40	NOC:Advance Power Electronics and Control	Y	Y	Y	6.9
106	108107129	40	NOC:CMOS Digital VLSI Design	Y	Y	Y	9.9
107	108108122	59	NOC:Fundamentals of Semiconductor Devices	Y	Y	Y	6.1
108	108108123	44	NOC:Advanced IOT Applications	Y	Y	Y	16
109	108108124	71	NOC:Electronic Systems for Cancer Diagnosis	Y	Y	Y	17
110	108108125	53	NOC:Electronic Modules for Industrial Applications using Op-Amps	Y	Y	Y	13
111	108108148	66	NOC:Neural Networks for Signal Processing – I	---	Y	Y	13
112	108102145	24	NOC:Power Electronics	Y	Y	Y	25
113	108102146	41	NOC:Electrical Machines	Y	Y	Y	29
114	108103141	37	NOC:Microwave Engineering	Y	Y	Y	22
115	108104139	60	NOC:Basic Electric Circuits	Y	Y	Y	26
116	108104140	40	NOC:Fundamentals of Electric Drives	---	Y	Y	14
117	108105153	84	NOC:Electrical Measurement and Electronic Instruments	Y	Y	Y	32
118	108105154	60	NOC:Principles and Techniques of Modern Radar Systems	Y	Y	Y	17
119	108105155	94	NOC:Electrical Machines - I	Y	Y	Y	27
120	108106149	103	NOC:Mapping Signal Processing Algorithms to Architectures	---	Y	Y	64

121	<a href="#">108106150</a>	47	NOC:Linear System Theory	Y	Y	Y	29
122	<a href="#">108106151</a>	82	NOC:Digital Signal Processing	Y	Y	Y	63
123	<a href="#">108106152</a>	117	NOC:Computational Electromagnetics	Y	Y	Y	85
124	<a href="#">108107142</a>	60	NOC:Microelectronics: Devices to Circuits	Y	Y	Y	12
125	<a href="#">108107143</a>	40	NOC:DC Microgrid	Y	Y	Y	11
126	<a href="#">108108147</a>	63	NOC:Sensors and Actuators	Y	Y	Y	35
127	<a href="#">108102119</a>	41	Engineering Electromagnetics	---	Y	---	5.4
128	<a href="#">108106165</a>	23	NOC:A Brief Introduction of Micro-Sensors	Y	Y	Y	22
129	<a href="#">108105158</a>	99	NOC:Analog Electronic Circuits	Y	Y	Y	65
130	<a href="#">108106160</a>	67	NOC:DC Power Transmission Systems	Y	Y	Y	42
131	<a href="#">108106158</a>	80	NOC:Digital IC Design	Y	Y	Y	74
132	<a href="#">108108157</a>	39	NOC:Electronics Equipment Integration and Prototype Building	Y	Y	Y	21
133	<a href="#">108104157</a>	60	NOC:Fuzzy Sets, Logic and Systems and Applications	Y	Y	Y	18
134	<a href="#">108102157</a>	43	NOC:High Power Multilevel Converters - Analysis, Design and Operational Issues	Y	Y	Y	53
135	<a href="#">108106164</a>	43	NOC:Linear Dynamical Systems	Y	Y	Y	47
136	<a href="#">108103157</a>	34	NOC:Microprocessors and Interfacing	Y	Y	Y	14
137	<a href="#">108105159</a>	82	NOC:Network Analysis	Y	Y	Y	39
138	<a href="#">108106162</a>	51	NOC:Nonlinear System Analysis	Y	Y	Y	19
139	<a href="#">108106161</a>	44	NOC:Optical Engineering	Y	Y	Y	49
140	<a href="#">108106159</a>	103	NOC:Power Management Integrated Circuits	Y	Y	Y	57
141	<a href="#">108107157</a>	40	NOC:Power Quality Improvement Technique	Y	Y	Y	5.2
142	<a href="#">108106163</a>	87	NOC:Signals and Systems	---	Y	---	54
143	<a href="#">108103158</a>	39	NOC:Statistical Signal Processing	Y	Y	Y	16
144	<a href="#">108106157</a>	33	NOC:Transmission Lines and Electromagnetic Waves	Y	Y	Y	35
145	<a href="#">108105157</a>	39	NOC:VLSI Signal Processing	Y	Y	Y	15
146	<a href="#">108102156</a>	34	Special Electromechanical Systems	---	Y	---	6.0
147	<a href="#">108108166</a>	53	NOC:Design and Simulation of Power conversion using open source tools	---	Y	---	4.1
148	<a href="#">108101167</a>	40	NOC:Electrical Equipment and Machines: Finite Element Analysis	Y	Y	Y	9.0
149	<a href="#">108106167</a>	120	NOC:Fiber Optic Communication Technology	---	Y	---	7.2
150	<a href="#">108106168</a>	83	NOC:Image Signal Processing	Y	Y	---	7.2
151	<a href="#">108108168</a>	68	NOC:Information Theory	---	Y	---	4.2
152	<a href="#">108102169</a>	40	NOC:Introduction to Embedded System Design	Y	Y	Y	5.9
153	<a href="#">108108167</a>	65	NOC:Introductory Neuroscience and Neuro-Instrumentation	Y	Y	Y	6.2
154	<a href="#">108104167</a>	34	NOC:Peer to Peer Networks	Y	Y	Y	5.4
155	<a href="#">108105167</a>	52	NOC:Power System Protection	Y	Y	Y	27
156	<a href="#">108107167</a>	40	NOC:Power System Protection and Switchgear	Y	Y	Y	4.6
157	<a href="#">108106170</a>	76	NOC:Fundamentals of Electric Vehicles: Technology and Economics	Y	Y	---	8.3

158	<a href="#">108106171</a>	48	NOC:Applied Linear Algebra	Y	Y	Y	5.9
159	<a href="#">108106172</a>	143	NOC:Basic Electrical Circuits	---	Y	---	3.4
160	<a href="#">108106173</a>	42	NOC:Optical Fiber Sensors	Y	Y	---	5.0
161	<a href="#">108101174</a>	94	NOC:Digital Signal Processing and its Applications	Y	Y	Y	3.6
162	<a href="#">108103174</a>	41	NOC:Computer Vision and Image Processing - Fundamentals and Applications	Y	Y	Y	4.4
163	<a href="#">108104174</a>	70	NOC:Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	Y	Y	---	7.2
164	<a href="#">108106174</a>	78	NOC:Introduction to Time - Varying Electrical Networks	Y	Y	---	9.3
165	<a href="#">108106177</a>	71	NOC:Digital System Design	Y	Y	Y	4.5
166	<a href="#">108108174</a>	51	NOC:Photonic Integrated Circuit	Y	Y	Y	6.1
167	<a href="#">108102179</a>	45	NOC:Power Quality	Y	Y	---	7.0
168	<a href="#">108103179</a>	27	NOC:System Design through VERILOG	Y	Y	Y	2.2
169	<a href="#">108105179</a>	64	NOC:Signal Processing for mm Wave communication for 5G and beyond	Y	Y	---	5.5
170	<a href="#">108105180</a>	60	NOC:Control and Tuning Methods in Switched Mode Power Converters	Y	Y	Y	8.5
171	<a href="#">108105181</a>	69	NOC:Advanced Microwave Guided-Structures and Analysis	Y	Y	Y	4.5
172	<a href="#">108106179</a>	81	NOC:Stochastic Modeling and the Theory of Queues	Y	Y	---	5.8
173	<a href="#">108106180</a>	40	NOC:Integrated Photonics Devices and Circuits	Y	Y	---	9.6
174	<a href="#">108106181</a>	78	NOC:Introduction to Semiconductor Devices	Y	Y	Y	5.6
175	<a href="#">108108179</a>	52	NOC:Design for Internet of Things	Y	Y	Y	6.9
176	<a href="#">108108180</a>	42	NOC:Mathematical Aspects of Biomedical Electronic System Design	Y	Y	Y	4.1
177	<a href="#">108108181</a>	26	NOC:Concentration Inequalities	Y	Y	Y	2.7
178	<a href="#">108106182</a>	97	NOC:Electric Vehicles and Renewable Energy	---	Y	---	8.5
179	<a href="#">108103183</a>	44	NOC:Usability Engineering	Y	Y	Y	6.0
180	<a href="#">108101185</a>	65	NOC:Stochastic Control and Communication	---	Y	---	5.6
181	<a href="#">108102185</a>	42	NOC:Introduction to Electrical Engineering	---	Y	Y	6.5
182	<a href="#">108103185</a>	85	NOC:Probability and Random Processes	---	Y	---	3.5
183	<a href="#">108105185</a>	60	NOC:Cognition and its Computation	---	Y	---	5.9
184	<a href="#">108105186</a>	120	NOC:Digital Control in Switched Mode Power Converters and FPGA-based Prototyping	Y	Y	Y	7.6
185	<a href="#">108105187</a>	41	NOC:VLSI Interconnects	---	Y	---	3.8
186	<a href="#">108106184</a>	65	Phase-locked loops	Y	Y	Y	6.9
187	<a href="#">108106186</a>	64	NOC:Fundamentals of Nano and Quantum Photonics	---	Y	Y	5.2
188	<a href="#">108108185</a>	56	NOC:Real-Time Digital Signal Processing	---	Y	---	4.7
189	<a href="#">108105188</a>	63	NOC:Semiconductor Device Modeling and Simulation	Y	Y	---	6.2
190	<a href="#">108105189</a>	75	NOC:RF and Microwave Networks	---	Y	---	4.0
191	<a href="#">108106188</a>	84	NOC:Analog Electronic Circuits (IITM)	Y	Y	Y	6.9
192	<a href="#">108106189</a>	90	NOC:Modern Computer Vision	Y	Y	Y	6.1
193	<a href="#">108106190</a>	46	NOC:Optical Wireless Communications for Beyond 5G Networks and IoT	Y	Y	---	4.0

194	<a href="#">108108188</a>	54	NOC:Advanced Neural Science for Engineers	Y	Y	Y	7.4
195	<a href="#">108102191</a>	36	NOC:Transducers for Instrumentation	---	Y	Y	7.6
196	<a href="#">108103191</a>	64	NOC:Simulation of Communication Systems using Matlab	---	Y	---	5.1
197	<a href="#">108103192</a>	48	NOC:Machine Learning and Deep Learning - Fundamentals and Applications	---	Y	---	4.1
198	<a href="#">108104191</a>	60	NOC:Economic Operations and Control of Power Systems	Y	Y	Y	6.7
199	<a href="#">108104192</a>	38	NOC:Digital Switching	---	Y	---	3.0
200	<a href="#">108104193</a>	65	NOC:Analog VLSI Design	---	Y	---	6.2
201	<a href="#">108105191</a>	41	NOC:Introduction to Adaptive Signal Processing	Y	Y	Y	2.7
202	<a href="#">108105192</a>	60	NOC:Nanobiophotonics: Touching Our Daily Life	---	Y	---	5.4
203	<a href="#">108106191</a>	54	NOC:VLSI Design Flow: RTL to GDS	---	Y	---	6.1
204	<a href="#">108106192</a>	40	NOC:Fundamentals of Wireless Communication (Hindi)	---	Y	---	5.3
205	<a href="#">108106193</a>	40	NOC:Sensor Technologies: Physics, Fabrication, and Circuits	---	Y	---	4.8
206	<a href="#">108108191</a>	67	NOC:Design of Electric Motors	Y	Y	Y	5.7
207	<a href="#">108101371</a>	85	NOC:Applied Linear Algebra (2024)	---	Y	---	20
208	<a href="#">108101373</a>	62	NOC:Digital Communication using GNU Radio	---	Y	---	6.2
209	<a href="#">108102372</a>	42	NOC:Computer-Aided Design of Electrical Machines	---	Y	---	5.9
210	<a href="#">108103378</a>	44	NOC:Integrated Circuits and Applications	---	Y	---	3.2
211	<a href="#">108105375</a>	59	NOC:EMI-EMC and Signal Integrity: Principles, Techniques and Applications	---	Y	---	5.0
212	<a href="#">108105376</a>	60	NOC:Embedded Sensing, Actuation and Interfacing Systems	---	Y	---	7.2
213	<a href="#">108106370</a>	46	NOC:Advanced topics in Wireless Communication (Hindi)	---	Y	---	4.6
214	<a href="#">108106374</a>	39	NOC:State Space Approach to Control System Analysis and Design	---	Y	---	3.9
215	<a href="#">108107379</a>	61	NOC:RF Transceiver of Design	---	Y	---	5.7
216	<a href="#">108107380</a>	60	NOC:VLSI Physical Design with Timing Analysis	---	Y	---	4.8
217	<a href="#">108108377</a>	61	NOC:Basics of Semiconductor Microwave Devices	---	Y	---	4.7

**Discipline : Humanities and Social Sciences**

[Go to Top](#)

**Video Lecture Topics @ <http://www.digmat.in/downloads/topics/humanities-and-social-sciences.pdf>**

1	<a href="#">109101004</a>	42	Contemporary Issues in Philosophy of Mind and Cognition	Y	Y	Y	30
2	<a href="#">109101017</a>	41	Understanding Creativity and Creative Writing	Y	Y	Y	28
3	<a href="#">109103019</a>	40	Cultural Studies	Y	Y	Y	22
4	<a href="#">109103020</a>	38	English Language and Literature	Y	Y	Y	18
5	<a href="#">109103021</a>	40	Game Theory and Economics	Y	Y	Y	22
6	<a href="#">109104031</a>	40	Communication Skills	Y	Y	Y	12
7	<a href="#">109104035</a>	43	International Economics	Y	Y	Y	9.9
8	<a href="#">109104040</a>	44	Introduction to Logic	Y	Y	Y	18
9	<a href="#">109104045</a>	40	Population and Society	Y	Y	Y	8.6
10	<a href="#">109104073</a>	22	Macro Economics	Y	Y	Y	7.7
11	<a href="#">109104074</a>	41	Introduction to Sociology	Y	Y	Y	9.8

12	109104076	40	Money and Banking	Y	Y	Y	7.6
13	109104081	40	Human Adjustment Processes	Y	Y	Y	8.4
14	109104082	35	Selected Topics in Psychology	Y	Y	Y	9.2
15	109104088	48	NOC:Elements of Visual Representation	Y	Y	Y	5.8
16	109106052	40	Aspects of Western Philosophy	Y	Y	Y	31
17	109106053	40	Contemporary Literature	Y	Y	Y	11
18	109106058	36	History of Economic Theory	Y	Y	Y	15
19	109106059	42	Indian Philosophy	Y	Y	Y	14
20	109106067	38	Better Spoken English	Y	Y	Y	15
21	109106079	40	Introduction to Film Studies	Y	Y	Y	16
22	109106080	41	Introduction to Modern Linguistics	Y	Y	Y	30
23	109106083	41	Principles and Parameters in Natural Language	Y	Y	Y	32
24	109106084	41	NOC:Literary Criticism and Literary Theory	Y	Y	Y	9.1
25	109106085	40	NOC:Language and Mind	Y	Y	Y	5.9
26	109106086	43	NOC:Film Appreciation	Y	Y	Y	11
27	109106087	74	NOC:Appreciating Carnatic Music	Y	Y	Y	16
28	109106089	38	NOC:Infrastructure Economics	Y	Y	Y	5.5
29	109104090	40	NOC:Practical English: Learning and Teaching	Y	Y	Y	11
30	109106091	20	NOC:Language and Society	Y	Y	Y	3.6
31	109104093	24	NOC:Brief introduction to Psychology	Y	Y	Y	5.0
32	109106092	20	NOC:Issues in Bioethics	Y	Y	Y	5.6
33	109106094	38	NOC:Technical English for Engineers	Y	Y	Y	19
34	109106095	22	NOC:Health Research Fundamentals	Y	Y	Y	7.3
35	109104032	39	Ethics	Y	Y	Y	12
36	109105098	20	NOC:Legal Compliance for Incorporating Startup	Y	Y	Y	4.9
37	109105097	20	NOC:Technology Transfer through Joint Venture	Y	Y	Y	5.0
38	109104096	20	NOC:Psychiatry:An overview	Y	Y	Y	1.4
39	109105111	40	NOC:Symbolic Logic	Y	Y	Y	8.9
40	109105110	40	NOC:Soft Skill Development	Y	Y	Y	9.4
41	109105113	39	NOC:Globalization and Culture	Y	Y	Y	11
42	109104107	48	NOC:Developing Soft Skills and Personality	Y	Y	Y	5.1
43	109104106	44	NOC:Folk and Minor Art in India	Y	Y	Y	3.4
44	109104105	43	NOC:Introduction to Psychology	Y	Y	Y	2.7
45	109104108	20	NOC:How the Brain Creates Mind	Y	Y	Y	1.8
46	109104102	20	NOC:Introduction to Indian Art - An appreciation	Y	Y	Y	1.6
47	109104109	20	NOC:Understanding Design Thinking and People Centered Design	Y	Y	Y	1.5
48	109104104	20	NOC:Probability and Stochastic for Finance II	Y	Y	Y	1.8
49	109104103	25	NOC:Basic Concepts of Modal Logic	Y	Y	Y	2.1



50	<a href="#">109106099</a>	45	NOC:American Literature and Culture	Y	Y	Y	30
51	<a href="#">109103101</a>	24	NOC:Digital Human Modeling and Simulation for Virtual Ergonomics Evaluation	Y	Y	Y	34
52	<a href="#">109106114</a>	32	NOC:Applied Linguistics	Y	Y	Y	24
53	<a href="#">109106100</a>	20	NOC:Economics of IPR	Y	Y	Y	8.0
54	<a href="#">109105112</a>	40	NOC:Introduction on Intellectual Property to Engineers and Technologists	Y	Y	Y	11
55	<a href="#">109107115</a>	15	NOC:Time value of money-Concepts and Calculations	Y	Y	Y	3.5
56	<a href="#">109107119</a>	20	NOC:Depreciation, Alternate Investment and Profitability Analysis	Y	Y	Y	5.4
57	<a href="#">109104116</a>	20	NOC:Postcolonial Literature	Y	Y	Y	1.5
58	<a href="#">109105116</a>	40	NOC:Emotional Intelligence	Y	Y	Y	11
59	<a href="#">109104117</a>	20	NOC:Introducing Modern Western Art: Movements and Artists	Y	Y	Y	1.7
60	<a href="#">109104115</a>	40	NOC:Enhancing Soft Skills and Personality	Y	Y	Y	3.5
61	<a href="#">109105118</a>	20	NOC:Great Experiments in Psychology	Y	Y	Y	5.5
62	<a href="#">109106117</a>	20	NOC:Ethics	Y	Y	Y	12
63	<a href="#">109105115</a>	46	NOC:Qualitative Research Methods	Y	Y	Y	9.5
64	<a href="#">109106120</a>	17	NOC:The Renaissance and Shakespeare	Y	Y	Y	1.7
65	<a href="#">109106116</a>	60	NOC:English Language for Competitive Exams	Y	Y	Y	27
66	<a href="#">109105117</a>	39	NOC:Speaking Effectively	Y	Y	Y	8.7
67	<a href="#">109107121</a>	60	NOC:Soft Skills	Y	Y	Y	19
68	<a href="#">109106122</a>	33	NOC:Literature for Competitive Exams	Y	Y	Y	18
69	<a href="#">109104121</a>	20	NOC:Cognition, Transformation and Lives	Y	Y	Y	1.5
70	<a href="#">109104122</a>	20	NOC:Visual Perception and Art: A Survey Across the Cultures	Y	Y	Y	1.7
71	<a href="#">109104123</a>	39	NOC:Introduction to Basic Cognitive Processes	Y	Y	Y	3.0
72	<a href="#">109104124</a>	40	NOC:Calculus of One Real Variable	Y	Y	Y	2.5
73	<a href="#">109103121</a>	36	NOC:Science, Technology and Society	Y	Y	Y	15
74	<a href="#">109103122</a>	21	NOC:Gender and Literature	Y	Y	Y	14
75	<a href="#">109103123</a>	31	NOC:Ecology and Society	Y	Y	Y	13
76	<a href="#">109106124</a>	68	NOC:History of English Language and Literature	Y	Y	Y	24
77	<a href="#">109105121</a>	60	NOC:Human Resource Development	Y	Y	Y	16
78	<a href="#">109105122</a>	58	NOC:Educational Leadership	Y	Y	Y	14
79	<a href="#">109107131</a>	20	NOC:Sociology of Science	Y	Y	Y	6.0
80	<a href="#">109107132</a>	20	NOC:Perspectives on Neurolinguistic	Y	Y	Y	5.3
81	<a href="#">109106128</a>	53	NOC:Patent Drafting for Beginners	Y	Y	Y	8.2
82	<a href="#">109106129</a>	19	NOC:Business English Communication	Y	Y	Y	18
83	<a href="#">109105127</a>	40	NOC:Strategic Performance Management	Y	Y	Y	12
84	<a href="#">109106130</a>	40	NOC:Postmodernism in Literature	Y	Y	Y	33
85	<a href="#">109104126</a>	40	NOC:Introduction to Advanced Cognitive Processes	Y	Y	Y	11
86	<a href="#">109104125</a>	141	NOC:An Introduction to Microeconomics	Y	Y	Y	15

87	<a href="#">109103133</a>	30	NOC:Sociological Perspectives on Modernity	Y	Y	Y	13
88	<a href="#">109103134</a>	30	NOC:Introduction to Cognitive Psychology	Y	Y	Y	9.4
89	<a href="#">109103135</a>	30	NOC:Introduction to Modern Indian Political Thought	Y	Y	Y	23
90	<a href="#">109103136</a>	20	NOC:Consumer Psychology	Y	Y	Y	19
91	<a href="#">109104135</a>	35	NOC:Introduction to Literary Theory	Y	Y	Y	10
92	<a href="#">109104136</a>	20	NOC:Development of Sociology in India	Y	Y	Y	5.0
93	<a href="#">109105135</a>	20	NOC:Introduction to Basic Spoken Sanskrit	---	Y	---	6.7
94	<a href="#">109105136</a>	20	NOC:Water, Society and Sustainability	Y	Y	Y	6.5
95	<a href="#">109106135</a>	47	NOC:Indian Fiction in English	Y	Y	Y	60
96	<a href="#">109106136</a>	58	NOC:Introduction to Cultural Studies	Y	Y	Y	45
97	<a href="#">109106137</a>	78	NOC:Intellectual Property	Y	Y	Y	15
98	<a href="#">109106138</a>	54	NOC:Short Fiction in Indian Literature	Y	Y	Y	54
99	<a href="#">109103140</a>	27	NOC:Introduction to Modern Indian Drama	Y	Y	Y	10
100	<a href="#">109103141</a>	30	NOC:Introduction to Political Theory	Y	Y	Y	26
101	<a href="#">109103142</a>	21	NOC:Human Behaviour	Y	Y	Y	21
102	<a href="#">109104143</a>	38	NOC:Introduction to the Psychology of Language	Y	Y	Y	19
103	<a href="#">109105144</a>	40	NOC:Employment Communication A Lab based course	Y	Y	Y	15
104	<a href="#">109106145</a>	57	NOC:The Nineteenth-Century English Novel	Y	Y	Y	94
105	<a href="#">109106146</a>	51	NOC:Feminist Writings	Y	Y	Y	80
106	<a href="#">109106147</a>	50	NOC:Introduction to World Literature	Y	Y	Y	77
107	<a href="#">109106148</a>	44	NOC:Managing Intellectual Property in Universities	Y	Y	Y	3.7
108	<a href="#">109106149</a>	40	NOC:English Literature of the Romantic Period, 1798-1832	Y	Y	Y	27
109	<a href="#">109107139</a>	60	NOC:Literature, Culture and Media	Y	Y	Y	12
110	<a href="#">109106170</a>	80	Introduction to Film Studies (2019)	---	Y	---	85
111	<a href="#">109102156</a>	38	NOC:Text, Textuality and Digital Media	Y	Y	Y	30
112	<a href="#">109102157</a>	23	NOC:Positive Psychology	Y	Y	Y	12
113	<a href="#">109103152</a>	20	NOC:The Psychology of Language	Y	Y	Y	8.9
114	<a href="#">109103153</a>	25	NOC:Development Research Methods	Y	Y	Y	10
115	<a href="#">109104150</a>	20	NOC:Population Studies	Y	Y	Y	9.1
116	<a href="#">109104151</a>	15	NOC:Psychology of Everyday	Y	Y	Y	14
117	<a href="#">109105169</a>	45	NOC:Intermediate Level of Spoken Sanskrit	Y	Y	Y	12
118	<a href="#">109106159</a>	65	NOC:Appreciating Linguistics: A Typological Approach	Y	Y	Y	121
119	<a href="#">109106160</a>	15	NOC:Inclusion and Technology Design	Y	Y	Y	39
120	<a href="#">109106161</a>	28	NOC:Energy Economics and Policy	Y	Y	Y	25
121	<a href="#">109106163</a>	19	NOC:The Victorian Gothic Short Story	Y	Y	Y	38
122	<a href="#">109106165</a>	51	NOC:German-II	Y	Y	Y	74
123	<a href="#">109106166</a>	46	NOC:German-I	Y	Y	Y	80
124	<a href="#">109106168</a>	33	NOC:Disability Studies: An Introduction	Y	Y	Y	50

125	<a href="#">109107154</a>	20	NOC:Body language: Key to professional Success	Y	Y	Y	4.0
126	<a href="#">109107155</a>	40	NOC:Interpersonal Skills	Y	Y	Y	8.9
127	<a href="#">109108158</a>	23	NOC:Artistic Exploration in Scientific Research and Technology	Y	Y	Y	4.7
128	<a href="#">109107172</a>	20	NOC:Effective Writing	Y	Y	Y	6.5
129	<a href="#">109101171</a>	56	NOC:Energy Resources, Economics and Environment	Y	Y	Y	43
130	<a href="#">109106175</a>	34	NOC:Feminism: Concepts and Theories	Y	Y	Y	38
131	<a href="#">109103171</a>	22	NOC:Indian Business History	Y	Y	Y	11
132	<a href="#">109104171</a>	40	NOC:Introduction to Brain and Behaviour	Y	Y	Y	15
133	<a href="#">109107171</a>	60	NOC:Introduction to Environmental Economics	Y	Y	Y	9.7
134	<a href="#">109106174</a>	46	NOC:Introduction to Political Ideologies: Contexts, Ideas and Practices	Y	Y	Y	38
135	<a href="#">109106171</a>	53	NOC:Literary Criticism (From Plato to Leavis)	Y	Y	Y	34
136	<a href="#">109106173</a>	44	NOC:Modern Indian Writing in Translation	Y	Y	Y	27
137	<a href="#">109107173</a>	60	NOC:Strategic Trade and Protectionism - Theories and Empirics	Y	Y	Y	9.8
138	<a href="#">109106172</a>	61	NOC:Twentieth Century Fiction	Y	Y	Y	62
139	<a href="#">109106180</a>	60	NOC:Classical Sociological Theory	Y	Y	Y	7.1
140	<a href="#">109105176</a>	40	NOC:Entrepreneurship and IP strategy	Y	Y	Y	29
141	<a href="#">109103176</a>	30	NOC:Introduction to Western Political Thought	Y	Y	Y	15
142	<a href="#">109104176</a>	20	NOC:Modern Indian Art From the Colonial Period to the Present	Y	Y	Y	1.8
143	<a href="#">109106176</a>	76	NOC:Poetry	Y	Y	Y	16
144	<a href="#">109106177</a>	62	NOC:The Popular Gothic Novel	Y	Y	Y	4.9
145	<a href="#">109104181</a>	45	NOC:Introduction to Japanese Language and Culture	---	Y	---	7.5
146	<a href="#">109103182</a>	34	NOC:Psychology of Stress, Health and Well-being	Y	Y	Y	7.9
147	<a href="#">109103183</a>	27	NOC:Phonetics and Phonology: A Broad Overview	Y	Y	Y	2.9
148	<a href="#">109103184</a>	23	NOC:Philosophical Foundations of Social Research	---	Y	---	6.5
149	<a href="#">109104182</a>	42	NOC:Applied Statistics and Econometrics	Y	Y	---	6.9
150	<a href="#">109104183</a>	40	NOC:Literature and Coping Skills	Y	Y	Y	12
151	<a href="#">109104184</a>	40	NOC:Indian Economy: Some Contemporary Perspectives	Y	Y	Y	3.7
152	<a href="#">109106182</a>	41	NOC:Basics of Language Science	Y	Y	Y	14
153	<a href="#">109106183</a>	60	NOC:Globalization: Theoretical Perspectives	Y	Y	Y	8.2
154	<a href="#">109106184</a>	10	NOC:Towards an Ethical Digital Society: From Theory to Practice	Y	Y	Y	3.5
155	<a href="#">109107182</a>	40	NOC:Handling Large Scale Unit Level Data Using STATA	Y	Y	Y	7.5
156	<a href="#">109103185</a>	30	NOC:Sociology of Development	---	Y	---	8.0
157	<a href="#">109103186</a>	31	NOC:Environment and Development	---	Y	---	8.2
158	<a href="#">109103187</a>	43	NOC:Introduction to Market Structures	Y	Y	Y	4.4
159	<a href="#">109103188</a>	34	NOC:Mathematics for Economics - I	Y	Y	Y	3.8
160	<a href="#">109105185</a>	40	NOC:Urbanization and Environment	Y	Y	Y	5.1
161	<a href="#">109106185</a>	43	NOC:Literary and Cultural Disability Studies: An Exploration	Y	Y	Y	12
162	<a href="#">109106186</a>	65	NOC:Trauma and Literature	Y	Y	Y	10

163	<a href="#">109106187</a>	57	NOC:Twentieth Century American Drama	Y	Y	---	8.1
164	<a href="#">109106188</a>	68	NOC:Fundamental Concepts in Sociolinguistics	Y	Y	Y	9.5
165	<a href="#">109101189</a>	60	NOC:Introduction to Paninian Grammar	---	Y	---	7.7
166	<a href="#">109103189</a>	20	NOC:Language, Culture and Cognition: An Introduction	Y	Y	Y	4.4
167	<a href="#">109105189</a>	27	NOC:Advanced Level of Spoken Sanskrit	---	Y	---	4.5
168	<a href="#">109105190</a>	61	NOC:Education for Sustainable Development	Y	Y	Y	7.2
169	<a href="#">109105191</a>	60	NOC:Elements of Literature and Creative Communication	Y	Y	Y	6.7
170	<a href="#">109105192</a>	65	NOC:Training and Development	Y	Y	Y	8.3
171	<a href="#">109106189</a>	50	NOC:Literature and Life	---	Y	---	9.8
172	<a href="#">109106190</a>	69	NOC:German - III	---	Y	---	8.2
173	<a href="#">109106191</a>	56	NOC:Appreciating Hindustani Music	Y	Y	Y	13
174	<a href="#">109107189</a>	40	NOC:Indian Poetry in English	Y	Y	Y	9.4
175	<a href="#">109107190</a>	40	NOC:Exploring Survey Data on Health Care	Y	Y	Y	5.1
176	<a href="#">109107191</a>	60	NOC:Contextualizing Gender	Y	Y	Y	11
177	<a href="#">109104194</a>	55	NOC:Japani Bhasha - Saral Swaroop	---	Y	---	4.2
178	<a href="#">109101195</a>	60	NOC:Sandhi in Paninian Grammar	---	Y	---	6.7
179	<a href="#">109104195</a>	42	NOC:Introduction to Japanese Language and Culture-II	Y	Y	Y	4.5
180	<a href="#">109104196</a>	60	NOC:Indian Art: Materials, Techniques and Artistic Practices	Y	Y	Y	6.4
181	<a href="#">109104197</a>	20	NOC:प्रमुख हिंदी कहानियां और भारतीय समाज	---	Y	---	3.8
182	<a href="#">109105195</a>	20	NOC:Sociology and Resource Management	Y	Y	Y	2.1
183	<a href="#">109105196</a>	20	NOC:Urban Sociology	Y	Y	Y	1.8
184	<a href="#">109105197</a>	60	NOC:Management of Fixed Income Securities	Y	Y	Y	6.9
185	<a href="#">109106195</a>	61	NOC:An Introduction to Indian Literary Theory	Y	Y	Y	7.6
186	<a href="#">109107195</a>	60	NOC:Public Speaking	Y	Y	Y	15
187	<a href="#">109107196</a>	62	NOC:Partition of India in Print Media and Cinema	Y	Y	Y	14
188	<a href="#">109101198</a>	60	NOC:समास Samāsa in Pāṇinian Grammar-I	Y	Y	---	6.2
189	<a href="#">109103198</a>	20	NOC:Bilingualism: A Cognitive and Psycholinguistic Perspective	Y	Y	Y	4.2
190	<a href="#">109104198</a>	53	NOC:Computer Aided Decision Systems - Industrial Practices using Big Analytics	Y	Y	Y	4.9
191	<a href="#">109105198</a>	60	NOC:Petroleum Economics and Management	Y	Y	Y	5.0
192	<a href="#">109105199</a>	40	NOC:The Science of Happiness and Wellbeing	Y	Y	Y	3.5
193	<a href="#">109106198</a>	80	NOC:Host-Pathogen Interaction (Immunology)	Y	Y	Y	7.6
194	<a href="#">109106199</a>	29	NOC:Indian Feminisms: Concepts and Issues	Y	Y	Y	4.6
195	<a href="#">109106200</a>	68	NOC:United Nations Sustainable Development Goals	Y	Y	---	6.8
196	<a href="#">109106201</a>	47	NOC:Learning English in Hindi	---	Y	---	6.7
197	<a href="#">109107198</a>	61	NOC:Narrative Mode and Fiction	Y	Y	---	14
198	<a href="#">109107199</a>	36	NOC:Group Dynamics	Y	Y	---	7.7
199	<a href="#">109101203</a>	60	NOC:समास Samāsa in Pāṇinian Grammar - II	---	Y	---	6.4
200	<a href="#">109104203</a>	20	NOC:Introductory Rural Sociology: Continuity and Change	---	Y	Y	6.9

201	<a href="#">109104204</a>	40	NOC:Threads of Visual Exploration: Textiles and Allied Practices	---	Y	---	4.3
202	<a href="#">109104206</a>	23	NOC:Moral Thinking: An Introduction to Values and Ethics	Y	Y	Y	3.8
203	<a href="#">109105203</a>	60	NOC:Environmental Science	---	Y	---	7.5
204	<a href="#">109105204</a>	60	NOC:Psychology of Learning	---	Y	---	8.2
205	<a href="#">109105205</a>	60	NOC:Introduction to Language and Linguistics	---	Y	---	5.0
206	<a href="#">109106203</a>	44	NOC:Social History of Medicine in Colonial India	Y	Y	---	6.2
207	<a href="#">109106204</a>	60	NOC:Indian Society: Sociological Perspectives	---	Y	---	8.8
208	<a href="#">109107203</a>	20	NOC:Countering Stage Fright	---	Y	---	3.7
209	<a href="#">109107204</a>	55	NOC:Advance Course in Social Psychology	Y	Y	Y	7.2
210	<a href="#">109107205</a>	63	NOC:Performative Gender and Religions in South Asia	---	Y	---	9.2
211	<a href="#">109102392</a>	40	NOC:Science Communication: Research Productivity and Data Analytics using Open Source Software	---	Y	---	8.0
212	<a href="#">109103395</a>	31	NOC:Psychology of Emotion: Theory and Applications	---	Y	---	9.9
213	<a href="#">109104398</a>	39	NOC:Psychology Of Bilingualism and Multilingualism	---	Y	---	4.7
214	<a href="#">109104400</a>	10	NOC:Sociology and Sanitation: An Introduction	---	Y	---	2.6
215	<a href="#">109105396</a>	58	NOC:Philosophy and Critical Thinking	---	Y	---	5.6
216	<a href="#">109106401</a>	44	NOC:Human Movement Science	---	Y	---	4.7
217	<a href="#">109106402</a>	40	NOC:Sports and Performance Nutrition	---	Y	---	6.2
218	<a href="#">109106403</a>	41	NOC:Sports Psychology	---	Y	---	9.1
219	<a href="#">109106404</a>	59	NOC:Strength and Conditioning for the Indian Population	---	Y	---	15
220	<a href="#">109106405</a>	39	NOC:Essentials of Sports Injury Prevention and Rehabilitation	---	Y	---	2.4
221	<a href="#">109106406</a>	40	NOC:Introduction to Exercise Physiology and Sports Performance	---	Y	---	3.5
222	<a href="#">109106407</a>	40	NOC:Fundamentals of Sports Training, Load Management and Recovery	---	Y	---	1.7
223	<a href="#">109106408</a>	28	NOC:Forensic Linguistics	---	Y	---	2.2
224	<a href="#">109107394</a>	60	NOC:Online Communication in the Digital Age	---	Y	---	11
225	<a href="#">109107397</a>	42	NOC:Energy Resources, Economics and Sustainability	---	Y	---	4.6
226	<a href="#">109107399</a>	20	NOC:Cognitive Ergonomics	---	Y	---	2.6

### Discipline : Management

[Go to Top](#)

Video Lecture Topics @ <http://www.digimat.in/downloads/topics/management.pdf>

1	<a href="#">110101003</a>	41	Managerial Accounting	Y	Y	Y	29
2	<a href="#">110101005</a>	40	Managerial Economics	Y	Y	Y	35
3	<a href="#">110102016</a>	40	Organisation Management	Y	Y	Y	16
4	<a href="#">110102058</a>	38	Organisation of Engineering Systems and Human Resources Management	Y	Y	Y	29
5	<a href="#">110104055</a>	37	Strategic Marketing - Contemporary Issues	Y	Y	Y	7.6
6	<a href="#">110104063</a>	58	NOC:Strategy: An Introduction to game Theory	Y	Y	Y	2.5
7	<a href="#">110105030</a>	40	Econometric Modelling	Y	Y	Y	19
8	<a href="#">110105033</a>	41	Organizational Behaviour	Y	Y	Y	12
9	<a href="#">110105035</a>	40	Security Analysis and Portfolio Management	Y	Y	Y	19

10	<a href="#">110105039</a>	40	Six Sigma	Y	Y	Y	8.3
11	<a href="#">110105052</a>	40	International Business Communication	Y	Y	Y	16
12	<a href="#">110105054</a>	40	Consumer Behaviour	Y	Y	Y	12
13	<a href="#">110105057</a>	40	International Finance	Y	Y	Y	11
14	<a href="#">110105060</a>	42	Applied Multivariate Statistical Modeling	Y	Y	Y	12
15	<a href="#">110106043</a>	40	Infrastructure Finance	Y	Y	Y	20
16	<a href="#">110106044</a>	40	Manufacturing Systems Management	Y	Y	Y	18
17	<a href="#">110106045</a>	41	Operations and Supply Chain Management	Y	Y	Y	18
18	<a href="#">110106050</a>	42	Business Analysis for Engineers	Y	Y	Y	16
19	<a href="#">110106062</a>	40	NOC:Introduction to Operations Research	Y	Y	Y	4.0
20	<a href="#">110108047</a>	37	Strategic Management	Y	Y	Y	16
21	<a href="#">110108056</a>	38	Global Supply Chain Management	Y	Y	Y	10
22	<a href="#">110104066</a>	50	NOC:Quantitative Finance	Y	Y	Y	8.7
23	<a href="#">110104065</a>	48	NOC:Managing Services	Y	Y	Y	12
24	<a href="#">110106064</a>	47	NOC:Introduction to Data Analytics	Y	Y	Y	2.4
25	<a href="#">110105067</a>	50	Economics / Management / Entrepreneurship	Y	Y	Y	13
26	<a href="#">110105069</a>	32	NOC:Principles of Human Resource Management	Y	Y	Y	9.6
27	<a href="#">110104068</a>	46	NOC:Marketing Management - I	Y	Y	Y	3.1
28	<a href="#">110106072</a>	50	NOC:Introduction to Data analytics	Y	Y	Y	2.6
29	<a href="#">110104070</a>	48	NOC:Marketing Management - II	Y	Y	Y	3.7
30	<a href="#">110105071</a>	40	NOC:Commodity Derivatives and Risk Management	Y	Y	Y	11
31	<a href="#">110105073</a>	24	NOC:Strategic Communication for Sustainable Development	Y	Y	Y	4.8
32	<a href="#">110107073</a>	60	NOC:Financial Statement Analysis and Reporting	Y	Y	Y	17
33	<a href="#">110105078</a>	39	NOC:Services Marketing: A Practical Approach	Y	Y	Y	4.9
34	<a href="#">110107074</a>	40	NOC:Supply Chain Analytics	Y	Y	Y	9.9
35	<a href="#">110105074</a>	40	NOC:Consumer Behaviour	Y	Y	Y	8.2
36	<a href="#">110105076</a>	40	NOC:Knowledge Management	Y	Y	Y	11
37	<a href="#">110105079</a>	61	NOC:Business Ethics	Y	Y	Y	17
38	<a href="#">110105075</a>	41	NOC:Foundation Course in Managerial Economics	Y	Y	Y	9.0
39	<a href="#">110104074</a>	27	NOC:Systems Engineering: Theory and Practice	Y	Y	Y	3.0
40	<a href="#">110104073</a>	40	NOC:Project Management	Y	Y	Y	2.6
41	<a href="#">110106081</a>	78	NOC:Patent Law for Engineers and Scientists	Y	Y	Y	27
42	<a href="#">110107080</a>	40	NOC:Marketing Research and Analysis	Y	Y	Y	11
43	<a href="#">110107081</a>	60	NOC:Project Management for Managers	Y	Y	Y	16
44	<a href="#">110104080</a>	34	NOC:Total Quality Management - I	Y	Y	Y	3.3
45	<a href="#">110105080</a>	20	NOC:Gender Justice and Workplace Security	Y	Y	Y	4.8
46	<a href="#">110105081</a>	58	NOC:Corporate Social Responsibility	Y	Y	Y	13
47	<a href="#">110105082</a>	40	NOC:Decision Modeling	Y	Y	Y	11

48	<a href="#">110105083</a>	60	NOC:E-Business	Y	Y	Y	15
49	<a href="#">110105091</a>	31	NOC:Research Writing	Y	Y	Y	5.7
50	<a href="#">110104084</a>	22	NOC:Management of New Products and Services	Y	Y	Y	4.7
51	<a href="#">110104085</a>	41	NOC:Total Quality Management-II	Y	Y	Y	8.6
52	<a href="#">110104086</a>	28	NOC:Practitioners Course In Descriptive,Predictive and Prescriptive Analytics	Y	Y	Y	11
53	<a href="#">110105088</a>	60	NOC:Quality Design and Control	Y	Y	Y	17
54	<a href="#">110105087</a>	60	NOC:Design and Analysis of Experiments	Y	Y	Y	16
55	<a href="#">110105089</a>	60	NOC:Business Analytics for Management Decision	Y	Y	Y	20
56	<a href="#">110107092</a>	60	NOC:Business Analytics and Data Mining Modeling using R	Y	Y	Y	15
57	<a href="#">110105090</a>	56	NOC:Soft Skills for Business Negotiations and Marketing Strategies	Y	Y	Y	17
58	<a href="#">110103093</a>	23	NOC:Economic Growth and Development	Y	Y	Y	13
59	<a href="#">110104093</a>	61	NOC:Microeconomics: Theory and Applications	Y	Y	Y	13
60	<a href="#">110104094</a>	60	NOC>Data Analysis and Decision Making-I	Y	Y	Y	19
61	<a href="#">110104095</a>	51	NOC:Economics of Health and Health Care	Y	Y	Y	11
62	<a href="#">110104096</a>	26	NOC:Simulation of Business Systems: An Applied Approach	Y	Y	Y	7.8
63	<a href="#">110105093</a>	60	NOC:Engineering Econometrics	Y	Y	Y	18
64	<a href="#">110105094</a>	60	NOC:Industrial Safety Engineering	Y	Y	Y	16
65	<a href="#">110105095</a>	60	NOC:Management of Inventory Systems	Y	Y	Y	17
66	<a href="#">110105096</a>	40	NOC:Selected Topics in Decision Modeling	Y	Y	Y	8.3
67	<a href="#">110105097</a>	40	NOC:Ethics in Engineering Practice	Y	Y	Y	12
68	<a href="#">110107093</a>	60	NOC:Working Capital Management	Y	Y	Y	15
69	<a href="#">110107094</a>	40	NOC:Innovation, Business Models and Entrepreneurship	Y	Y	Y	12
70	<a href="#">110107095</a>	20	NOC:Business Analytics and Data Mining Modeling Using R - Part II	Y	Y	Y	5.3
71	<a href="#">110104117</a>	20	NOC:Management of Field Sales	Y	Y	Y	9.4
72	<a href="#">110104118</a>	60	NOC>Data Analysis and Decision Making-II	Y	Y	Y	25
73	<a href="#">110104119</a>	46	NOC:Advanced Green Manufacturing Systems	Y	Y	Y	23
74	<a href="#">110105120</a>	40	NOC:Managing Change in Organizations	Y	Y	Y	13
75	<a href="#">110105121</a>	60	NOC:Financial Institutions and Markets	Y	Y	Y	17
76	<a href="#">110105122</a>	40	NOC:Sales and Distribution Management	Y	Y	Y	17
77	<a href="#">110105123</a>	63	NOC:Six Sigma	Y	Y	Y*	19
78	<a href="#">110106124</a>	27	NOC:Design Thinking - A Primer	Y	Y	Y	21
79	<a href="#">110107112</a>	40	NOC:Global Marketing Management	Y	Y	Y	7.0
80	<a href="#">110107113</a>	60	NOC:Marketing Research and Analysis-II	Y	Y	Y	11
81	<a href="#">110107114</a>	60	NOC:Business Statistics	Y	Y	Y	11
82	<a href="#">110107115</a>	20	NOC:MCDM Techniques Using R	Y	Y	Y	4.7
83	<a href="#">110107116</a>	40	NOC:Manufacturing Strategy	Y	Y	Y	12
84	<a href="#">110101131</a>	40	NOC:Financial Accounting	Y	Y	Y	33
85	<a href="#">110101132</a>	20	NOC:Cost Accounting	Y	Y	Y	17

86	<a href="#">110101133</a>	40	NOC:Game Theory	Y	Y	Y	24
87	<a href="#">110104125</a>	60	NOC:Data Analysis and Decision Making - III	Y	Y	Y	15
88	<a href="#">110105137</a>	63	NOC:Performance and Reward Management	Y	Y	Y	15
89	<a href="#">110105138</a>	40	NOC:The Ethical Corporation	Y	Y	Y	20
90	<a href="#">110105139</a>	43	NOC:Intellectual Property Rights and Competition Law	Y	Y	Y	11
91	<a href="#">110105140</a>	40	NOC:Patent Search for Engineers and Lawyers	Y	Y	Y	11
92	<a href="#">110106134</a>	34	NOC:Decision-Making Under Uncertainty	Y	Y	Y	32
93	<a href="#">110106135</a>	34	NOC:Decision making using financial accounting	Y	Y	Y	52
94	<a href="#">110107126</a>	48	NOC:Training Of Trainers	Y	Y	Y	27
95	<a href="#">110107127</a>	60	NOC:Management Accounting	Y	Y	Y	10
96	<a href="#">110107128</a>	60	NOC:Financial Derivatives and Risk Management	Y	Y	Y	17
97	<a href="#">110107129</a>	40	NOC:Business Analytics and Text Mining Modeling Using Python	Y	Y	Y	5.8
98	<a href="#">110107130</a>	40	NOC:Toyota Production System	Y	Y	Y	13
99	<a href="#">110105144</a>	41	NOC:Behavioral and Personal Finance	Y	Y	Y	19
100	<a href="#">110106141</a>	61	NOC:Entrepreneurship	Y	Y	Y	36
101	<a href="#">110107144</a>	60	NOC:Financial Management for Managers	Y	Y	Y	12
102	<a href="#">110108141</a>	36	NOC:Integrated Marketing Management	Y	Y	Y	11
103	<a href="#">110101141</a>	49	NOC:Introduction to Stochastic Processes	Y	Y	Y	57
104	<a href="#">110101142</a>	63	NOC:Introduction to System Dynamics Modeling	Y	Y	Y	38
105	<a href="#">110105143</a>	60	NOC:Management of Commercial Banking	Y	Y	Y	30
106	<a href="#">110105142</a>	66	NOC:Marketing Analytics	Y	Y	Y	18
107	<a href="#">110105141</a>	62	NOC:Modelling and Analytics for Supply Chain Management	Y	Y	Y	17
108	<a href="#">110107141</a>	60	NOC:Production and Operation Management (Prof. Rajat Agarwal)	Y	Y	Y	14
109	<a href="#">110107143</a>	60	NOC:Production and Operation Management (Prof. Santosh Rangnekar)	Y	Y	Y	13
110	<a href="#">110107142</a>	40	NOC:Services Marketing: Integrating People, Technology, Strategy	Y	Y	Y	4.1
111	<a href="#">110105145</a>	42	NOC:Customer Relationship Management	Y	Y	Y	17
112	<a href="#">110105147</a>	60	NOC:Decision Support System for Managers	Y	Y	---	19
113	<a href="#">110106147</a>	120	NOC:Financial Accounting (IIT Mandi)	Y	Y	Y	7.3
114	<a href="#">110107145</a>	60	NOC:International Business	Y	Y	Y	8.1
115	<a href="#">110107147</a>	60	NOC:Introduction to Marketing Essentials	Y	Y	Y	5.1
116	<a href="#">110105148</a>	60	NOC:Management Information System	Y	Y	Y	30
117	<a href="#">110106145</a>	56	NOC:Organizational Behaviour	Y	Y	Y	5.4
118	<a href="#">110101146</a>	36	NOC:Organization Development and Change in 21st Century	Y	Y	Y	6.3
119	<a href="#">110107146</a>	60	NOC:Path Integral Methods in Physics and Finance	Y	Y	---	8.0
120	<a href="#">110105146</a>	59	NOC:Principles of Management (2020)	Y	Y	Y	30
121	<a href="#">110106146</a>	32	NOC:The Future of Manufacturing Business: Role of Additive Manufacturing	Y	Y	Y	4.3
122	<a href="#">110101149</a>	80	NOC:Managerial Economics	Y	Y	Y	11
123	<a href="#">110101150</a>	40	NOC:Quality Control and Improvement with MINITAB	Y	Y	Y	3.9



124	<a href="#">110106150</a>	36	NOC:Technology Forecasting for Strategic Decision Making - An Introduction	Y	Y	Y	2.1
125	<a href="#">110106151</a>	62	NOC:Leadership for India Inc: Practical Concepts and Constructs	Y	Y	Y	13
126	<a href="#">110107150</a>	62	NOC:Principles of Management (2021)	Y	Y	Y	7.6
127	<a href="#">110107151</a>	40	NOC:Organization Theory-Structure and Design	Y	Y	Y	4.7
128	<a href="#">110107152</a>	60	NOC:Talent Acquisition and Management	Y	Y	Y	12
129	<a href="#">110101153</a>	32	NOC:Business and Sustainable Development	Y	Y	Y	3.1
130	<a href="#">110105153</a>	107	NOC:Applied Econometrics	Y	Y	---	5.4
131	<a href="#">110105154</a>	60	NOC:Organizational Behaviour - II	Y	Y	Y	8.9
132	<a href="#">110105155</a>	60	NOC:Automation in Production Systems and Management	Y	Y	Y	7.2
133	<a href="#">110105156</a>	40	NOC:Corporate Finance	---	Y	---	3.8
134	<a href="#">110107153</a>	40	NOC:Econometric Modelling	Y	Y	Y	4.5
135	<a href="#">110107154</a>	60	NOC:Security Analysis and Portfolio Management	Y	Y	---	15
136	<a href="#">110105157</a>	39	NOC:International Marketing	Y	Y	Y	3.7
137	<a href="#">110105158</a>	47	NOC:Retail Management	Y	Y	Y	4.6
138	<a href="#">110105159</a>	40	NOC:Business Law for Managers	Y	Y	Y	4.0
139	<a href="#">110105160</a>	60	NOC:Safety and Risk Analytics	---	Y	---	9.8
140	<a href="#">110106157</a>	61	NOC:Strategy and Technology: A Practical Primer	---	Y	---	12
141	<a href="#">110107157</a>	60	NOC:Decision Making with Spreadsheet	---	Y	---	6.3
142	<a href="#">110107158</a>	60	NOC:Integrated Marketing Communication	---	Y	Y	17
143	<a href="#">110107159</a>	60	NOC:Leadership and Team Effectiveness	Y	Y	Y	7.0
144	<a href="#">110105161</a>	60	NOC:Strategic Management for Competitive Advantage	Y	Y	Y	4.5
145	<a href="#">110105162</a>	60	NOC:Human Factors Engineering	Y	Y	Y	8.3
146	<a href="#">110107161</a>	60	NOC:Product and Brand Management	Y	Y	Y	14
147	<a href="#">110107162</a>	60	NOC:Quantitative Investment Management	---	Y	---	8.4
148	<a href="#">110107163</a>	41	NOC:Strategic Sales Management	Y	Y	---	6.2
149	<a href="#">110108161</a>	38	NOC:Strategic Management - The Competitive Edge	---	Y	---	4.5
150	<a href="#">110101164</a>	40	NOC:Advances in Strategic Human Resource Management	Y	Y	Y	1.6
151	<a href="#">110101165</a>	93	NOC:Yoga and Positive Psychology for Managing Career and Life	Y	Y	---	3.5
152	<a href="#">110104164</a>	44	NOC:Artificial Intelligence (AI) for Investments	Y	Y	Y	4.1
153	<a href="#">110105164</a>	61	NOC:Organizational Design Change and Transformation	Y	Y	---	6.0
154	<a href="#">110105165</a>	40	NOC:Mergers, Acquisitions and Corporate Restructuring	Y	Y	---	4.3
155	<a href="#">110105166</a>	40	NOC:Invest Management	Y	Y	---	3.9
156	<a href="#">110106164</a>	60	NOC:Business Development: From Start to Scale	Y	Y	Y	13
157	<a href="#">110106165</a>	58	NOC:Applied Econometrics	---	Y	---	4.9
158	<a href="#">110101167</a>	20	NOC:Business Fundamentals for Entrepreneurs (Part 1: Internal Operation)	---	Y	---	3.1
159	<a href="#">110104167</a>	40	NOC:Brand Management	---	Y	Y	6.5
160	<a href="#">110104168</a>	43	NOC:Advanced Business Decision Support Systems	Y	Y	Y	4.3
161	<a href="#">110104169</a>	28	NOC:Advanced Algorithmic Trading and Portfolio Management	---	Y	Y	3.3

162	<a href="#">110105167</a>	40	NOC:Project Management: Planning, Execution, Evaluation and Control	Y	Y	---	3.1
163	<a href="#">110105168</a>	60	NOC:Commodity Derivatives and Risk Management (2023)	Y	Y	Y	6.3
164	<a href="#">110106167</a>	17	NOC:Working in Contemporary Teams	---	Y	---	2.0
165	<a href="#">110107167</a>	41	NOC:Retail Marketing Strategy	Y	Y	Y	6.5
166	<a href="#">110107168</a>	60	NOC:Business to Business Marketing	---	Y	---	8.7
167	<a href="#">110107169</a>	60	NOC:Designing Work Organization	Y	Y	Y	6.5
168	<a href="#">110101436</a>	60	NOC:Supply Chain Digitization	---	Y	---	6.1
169	<a href="#">110101438</a>	38	NOC:Business Forecasting	---	Y	---	4.4
170	<a href="#">110101439</a>	17	NOC:Business Fundamentals for Entrepreneurs (Part 2: External Operation)	---	Y	---	2.7
171	<a href="#">110103433</a>	59	NOC:Organizational Behaviour: Individual Dynamics in Organization	---	Y	---	11
172	<a href="#">110104437</a>	36	NOC:Advanced Financial Instruments for Sustainable Business and Decentralized Markets	---	Y	---	4.9
173	<a href="#">110104440</a>	57	NOC:Multivariate Procedures with R	---	Y	---	5.1
174	<a href="#">110106368</a>	58	NOC:Foundations of Accounting and Finance	---	Y	---	7.0
175	<a href="#">110106435</a>	48	NOC:Strategic Sourcing	---	Y	---	5.9
176	<a href="#">110107430</a>	40	NOC:Project Management (2024)	---	Y	---	3.0
177	<a href="#">110107431</a>	60	NOC:AI in Marketing	---	Y	---	4.8
178	<a href="#">110107432</a>	60	NOC:Innovation in Marketing and Marketing of Innovation	---	Y	---	8.9
179	<a href="#">110107434</a>	60	NOC:Strategic Services Marketing	---	Y	---	9.6
<b>Discipline : Mathematics</b>							
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1	<a href="#">111101003</a>	40	Elementary Numerical Analysis	Y	Y	Y	28
2	<a href="#">111101005</a>	40	Measure and Integration	Y	Y	Y	34
3	<a href="#">111101080</a>	40	Mathematics in India - From Vedic Period to Modern Times	Y	Y	Y	18
4	<a href="#">111102014</a>	39	Stochastic Processes	Y	Y	Y	23
5	<a href="#">111103016</a>	41	Formal Languages and Automata Theory	Y	Y	Y	17
6	<a href="#">111103070</a>	40	Complex Analysis	Y	Y	Y	23
7	<a href="#">111104024</a>	44	Applied Multivariate Analysis	Y	Y	Y	20
8	<a href="#">111104025</a>	40	Calculus of Variations and Integral Equations	Y	Y	Y	12
9	<a href="#">111104027</a>	40	Linear programming and Extensions	Y	Y	Y	17
10	<a href="#">111104068</a>	42	Convex Optimization	Y	Y	Y	8.6
11	<a href="#">111104071</a>	38	Foundations of Optimization	Y	Y	Y	7.2
12	<a href="#">111104079</a>	40	Probability Theory and Applications	Y	Y	Y	8.6
13	<a href="#">111105035</a>	42	Advanced Engineering Mathematics	Y	Y	Y	12
14	<a href="#">111105037</a>	40	Functional Analysis	Y	Y	Y	19
15	<a href="#">111105038</a>	40	Numerical methods of Ordinary & Partial Differential Equations	Y	Y	Y	12
16	<a href="#">111105039</a>	40	Optimization	Y	Y	Y	12
17	<a href="#">111105041</a>	40	Probability and Statistics	Y	Y	Y	8.7

18	<a href="#">111105042</a>	40	Regression Analysis	Y	Y	Y	15
19	<a href="#">111105043</a>	40	Statistical Inference	Y	Y	---	12
20	<a href="#">111105069</a>	46	A Basic Course in Real Analysis	Y	Y	Y	15
21	<a href="#">111106044</a>	48	An Introduction to Riemann Surfaces and Algebraic Curves: Complex 1-Tori and Elliptic Curves	Y	Y	Y	23
22	<a href="#">111106051</a>	52	Linear Algebra	Y	Y	Y	21
23	<a href="#">111106052</a>	42	Mathematical Logic	Y	Y	Y	17
24	<a href="#">111106053</a>	52	Real Analysis	Y	Y	Y	22
25	<a href="#">111106083</a>	36	NOC:An invitation to mathematics	Y	Y	Y	6.7
26	<a href="#">111107058</a>	41	Discrete Mathematics	Y	Y	Y	4.5
27	<a href="#">111108066</a>	40	Advanced Matrix Theory and Linear Algebra for Engineers	Y	Y	Y	19
28	<a href="#">111108081</a>	40	Ordinary Differential Equations and Applications	Y	Y	Y	25
29	<a href="#">111104085</a>	30	NOC:Basic Calculus for Engineers, Scientists and Economists	Y	Y	Y	4.2
30	<a href="#">111105077</a>	40	Statistical Methods for Scientists and Engineers	Y	Y	Y	12
31	<a href="#">111106084</a>	43	Advanced Complex Analysis - Part 1: Zeros of Analytic Functions, Analytic continuation, Monodromy, Hyperbolic Geometry	Y	Y	Y	18
32	<a href="#">111106086</a>	51	NOC:Discrete Mathematics	Y	Y	Y	3.0
33	<a href="#">111105091</a>	61	NOC:Applied Multivariate Statistical Modeling	Y	Y	Y	4.6
34	<a href="#">111105090</a>	79	NOC:Probability and Statistics	Y	Y	Y	20
35	<a href="#">111104089</a>	20	NOC:Probability and Stochastics for finance	Y	Y	Y	2.8
36	<a href="#">111106082</a>	40	Dynamic Data Assimilation: An Introduction	Y	Y	Y	19
37	<a href="#">111106094</a>	43	Advanced Complex Analysis - Part 2: Singularity at Infinity, Infinity as a Value, Compact Spaces of Meromorphic Functions for the Spherical Metric and Spherical Derivative	Y	Y	Y	29
38	<a href="#">111105093</a>	20	NOC:Partial Differential Equations (PDE) for Engineers: Solution by Separation of Variables	Y	Y	Y	5.1
39	<a href="#">111104092</a>	21	NOC:Differential Calculus in Several Variables	Y	Y	Y	1.5
40	<a href="#">111102096</a>	77	NOC:Stochastic Processes - 1	Y	Y	Y	1.9
41	<a href="#">111104095</a>	22	NOC:Curves and Surfaces	Y	Y	Y	1.1
42	<a href="#">111106097</a>	42	Basic Algebraic Geometry : Varieties, Morphisms, Local Rings, Function Fields and Nonsingularity	Y	Y	Y	19
43	<a href="#">111106098</a>	38	NOC:Introduction to Commutative Algebra	Y	Y	Y	30
44	<a href="#">111108098</a>	60	NOC:Linear Algebra	Y	Y	Y	13
45	<a href="#">111104098</a>	24	NOC:Linear Regression Analysis and Forecasting	Y	Y	Y	1.3
46	<a href="#">111102098</a>	124	NOC:Stochastic Processes	Y	Y	Y	13
47	<a href="#">111107098</a>	60	NOC:Mathematical Methods and its Applications	Y	Y	Y	16
48	<a href="#">111105098</a>	73	NOC:Introductory Course in Real Analysis	Y	Y	---	20
49	<a href="#">111105099</a>	40	NOC:Modeling Transport Phenomena of Microparticles	Y	Y	Y	11
50	<a href="#">111106100</a>	64	NOC:Differential Equations	Y	Y	Y	24
51	<a href="#">111107103</a>	60	NOC:Integral Equations, Calculus of Variations and its Applications	Y	Y	Y	17

52	<a href="#">111107104</a>	20	NOC:Nonlinear Programming	Y	Y	Y	5.5
53	<a href="#">111107105</a>	40	NOC:Numerical Methods	Y	Y	Y	9.8
54	<a href="#">111101100</a>	62	NOC:Measure Theory	Y	Y	Y	27
55	<a href="#">111106101</a>	54	NOC:Numerical Analysis	Y	Y	Y	29
56	<a href="#">111104100</a>	43	NOC:Introduction to R Software	Y	Y	Y	2.9
57	<a href="#">111105100</a>	60	NOC:Constrained and Unconstrained Optimization	Y	Y	Y	15
58	<a href="#">111106102</a>	39	NOC:Graph Theory	Y	Y	Y	9.3
59	<a href="#">111107107</a>	20	NOC:Numerical Methods: Finite Difference Approach	Y	Y	Y	3.2
60	<a href="#">111101109</a>	41	NOC:Calculus for Economics,Commerce and Management	Y	Y	Y	33
61	<a href="#">111107108</a>	40	NOC:Multivariable Calculus	Y	Y	Y	11
62	<a href="#">111107106</a>	60	NOC:Numerical Linear Algebra	Y	Y	Y	15
63	<a href="#">111102110</a>	35	NOC:Chaotic Dynamical Systems	Y	Y	Y	27
64	<a href="#">111102111</a>	92	NOC:Introduction to Probability Theory and Stochastic Processes	Y	Y	Y	30
65	<a href="#">111102112</a>	21	NOC:Statistical Inference	Y	Y	Y	19
66	<a href="#">111105111</a>	60	NOC:Matrix Solver	Y	Y	Y	16
67	<a href="#">111105112</a>	40	NOC:Introduction to Abstract and Linear Algebra	Y	Y	Y	8.7
68	<a href="#">111106111</a>	48	NOC:Transform Techniques for Engineers	Y	Y	Y	72
69	<a href="#">111106112</a>	21	NOC:Introduction to Probability and Statistics	Y	Y	Y	9.0
70	<a href="#">111106113</a>	45	NOC:Introduction to Abstract Group Theory	Y	Y	Y	40
71	<a href="#">111106114</a>	17	NOC:Groups: Motion, Symmetry and Puzzles	Y	Y	Y	24
72	<a href="#">111107111</a>	60	NOC:Ordinary and Partial Differential Equations and Applications	Y	Y	Y	11
73	<a href="#">111107112</a>	40	NOC:Matrix Analysis with Applications	Y	Y	Y	5.4
74	<a href="#">111107113</a>	20	NOC:Mathematical Modelling: Analysis and Applications	Y	Y	Y	4.2
75	<a href="#">111101115</a>	41	NOC:Basic Linear Algebra	Y	Y	Y	16
76	<a href="#">111101116</a>	60	NOC:Commutative Algebra	Y	Y	Y	34
77	<a href="#">111101117</a>	62	NOC:Galois Theory	Y	Y	Y	61
78	<a href="#">111104120</a>	34	NOC:Descriptive Statistics with R Software	Y	Y	Y	12
79	<a href="#">111105121</a>	60	NOC:Engineering Mathematics-I	Y	Y	Y	17
80	<a href="#">111105122</a>	60	NOC:Integral and Vector Calculus	Y	Y	Y	16
81	<a href="#">111105123</a>	60	NOC:Transform Calculus and its applications in Differential Equations	Y	Y	Y	16
82	<a href="#">111107118</a>	60	NOC:Dynamical System and Control	Y	Y	Y	8.2
83	<a href="#">111107119</a>	60	NOC:Advanced Engineering Mathematics	Y	Y	Y	8.8
84	<a href="#">111105124</a>	64	NOC:Statistical Inference (2019)	Y	Y	Y	17
85	<a href="#">111102129</a>	72	NOC:Integral Transforms and their Applications	Y	Y	Y	88
86	<a href="#">111102130</a>	30	NOC:Introduction to Fuzzy Set Theory, Arithmetic and Logic	Y	Y	Y	29
87	<a href="#">111102133</a>	32	Introduction to Methods of Applied Mathematics	Y	Y	Y	24
88	<a href="#">111103126</a>	36	NOC:Mathematical Finance	Y	Y	Y	20
89	<a href="#">111104125</a>	37	NOC:Calculus of Several Real Variables	Y	Y	Y	14

90	<a href="#">111105132</a>	20	NOC:Mathematical Methods for Boundary Value Problems	Y	Y	Y	6.6
91	<a href="#">111106131</a>	44	NOC:Introduction To Rings And Fields	Y	Y	Y	58
92	<a href="#">111107127</a>	56	NOC:Higher Engineering Mathematics	Y	Y	Y	5.8
93	<a href="#">111107128</a>	40	NOC:Operations Research	Y	Y	Y	4.3
94	<a href="#">111102134</a>	30	NOC:Advanced Probability Theory	Y	Y	Y	41
95	<a href="#">111108134</a>	68	NOC:An Introduction to Smooth Manifolds	Y	Y	Y	5.7
96	<a href="#">111101134</a>	69	NOC:Basic Real Analysis	Y	Y	Y	48
97	<a href="#">111105134</a>	60	NOC:Engineering Mathematics - II	Y	Y	Y	28
98	<a href="#">111108136</a>	60	NOC:Introduction to Algebraic Geometry and Commutative Algebra	Y	Y	Y	9.9
99	<a href="#">111106135</a>	48	NOC:Linear Algebra (Prof. Pranav Haridas)	Y	Y	Y	45
100	<a href="#">111108135</a>	62	NOC:Measure Theory (Prof. E. K. Narayanan)	Y	Y	Y	12
101	<a href="#">111106134</a>	67	NOC:Probabilistic Methods in PDE	Y	Y	Y	36
102	<a href="#">111101137</a>	63	NOC:A Basic Course in Number Theory	Y	Y	---	19
103	<a href="#">111106137</a>	83	NOC:Algebra - I	Y	Y	Y	4.1
104	<a href="#">111106141</a>	48	NOC:Complex Analysis	Y	Y	Y	5.9
105	<a href="#">111106138</a>	60	NOC:Computational Commutative Algebra	Y	Y	---	4.9
106	<a href="#">111104138</a>	27	NOC:Computational Number Theory and Algebra	Y	Y	---	14
107	<a href="#">111107137</a>	60	NOC:Essential Mathematics for Machine Learning	Y	Y	---	4.6
108	<a href="#">111106139</a>	27	NOC:Laplace Transform	---	Y	Y	2.5
109	<a href="#">111104137</a>	66	NOC:Linear Algebra (Prof. A.K. Lal)	Y	Y	---	16
110	<a href="#">111103137</a>	36	NOC:Mathematical Portfolio Theory	Y	Y	Y	5.8
111	<a href="#">111106140</a>	75	NOC:Measure Theory (Prof. Indrava Roy)	Y	Y	---	4.9
112	<a href="#">111102143</a>	10	NOC:Non-parametric Statistical Inference	Y	Y	Y	2.5
113	<a href="#">111106142</a>	121	NOC:Real Analysis - I	Y	Y	Y	4.5
114	<a href="#">111102137</a>	65	NOC:Scientific Computing using Matlab	Y	Y	Y	31
115	<a href="#">111101144</a>	62	NOC:Introduction to Algebraic Topology - Part I	Y	Y	Y	7.0
116	<a href="#">111104144</a>	40	NOC:Basic Calculus 1 and 2	---	Y	---	3.2
117	<a href="#">111104145</a>	33	NOC:Advanced Partial Differential Equations	Y	Y	Y	2.6
118	<a href="#">111104146</a>	69	NOC:Essentials of Data Science With R Software 1: Probability and Statistical Inference	Y	Y	Y	6.9
119	<a href="#">111104147</a>	53	NOC:Essentials of Data Science With R Software 2: Sampling Theory and Linear Regression Analysis	Y	Y	Y	6.0
120	<a href="#">111106144</a>	66	NOC:Variational Calculus and its applications in Control Theory and Nanomechanics	Y	Y	Y	5.0
121	<a href="#">111106145</a>	49	NOC:Introduction to Galois Theory	Y	Y	---	5.7
122	<a href="#">111106146</a>	72	NOC:Basic Calculus 1	Y	Y	Y	3.9
123	<a href="#">111106147</a>	74	NOC:Functional Analysis	Y	Y	Y	4.6
124	<a href="#">111106148</a>	90	NOC:Mathematical Methods in Physics 1	Y	Y	Y	4.0
125	<a href="#">111106149</a>	70	NOC:Computational Mathematics with SageMath	Y	Y	Y	4.9

126	<a href="#">111106150</a>	46	NOC:Introduction to Probability (with examples using R)	Y	Y	---	3.8
127	<a href="#">111106151</a>	84	NOC:Algebra-II	Y	Y	---	4.3
128	<a href="#">111108144</a>	41	NOC:First Course on Partial Differential Equations - I	Y	Y	---	3.5
129	<a href="#">111101152</a>	62	NOC:Introduction to Algebraic Topology - Part II	Y	Y	Y	6.5
130	<a href="#">111101153</a>	60	NOC:Partial Differential Equations	Y	Y	---	5.2
131	<a href="#">111102152</a>	58	NOC:Matrix Computation and its Applications	Y	Y	Y	5.4
132	<a href="#">111104152</a>	40	NOC:Measure Theoretic Probability 1	Y	Y	Y	2.4
133	<a href="#">111106152</a>	80	NOC:Mathematical Methods in Physics 2	Y	Y	Y	4.6
134	<a href="#">111106153</a>	74	NOC:Real Analysis - II	Y	Y	---	2.8
135	<a href="#">111106154</a>	85	NOC:Sobolev Spaces and Partial Differential Equations	Y	Y	Y	6.1
136	<a href="#">111106155</a>	58	NOC:Combinatorics	Y	Y	Y	4.2
137	<a href="#">111106156</a>	16	NOC:Our Mathematical Senses	Y	Y	Y	2.2
138	<a href="#">111108152</a>	41	NOC:First Course on Partial Differential Equations - II	Y	Y	---	3.5
139	<a href="#">111108157</a>	80	Matrix Theory	Y	Y	---	6.5
140	<a href="#">111101158</a>	61	NOC:An Introduction to Point-Set-Topology - Part I	Y	Y	Y	6.0
141	<a href="#">111103158</a>	34	NOC:Discrete-time Markov Chains and Poission Processes	Y	Y	Y	3.7
142	<a href="#">111103159</a>	48	NOC:Introduction to Queueing Theory	Y	Y	Y	6.8
143	<a href="#">111106158</a>	84	NOC:Algebraic Combinatorics	---	Y	---	3.7
144	<a href="#">111106159</a>	73	NOC:An Invitation to Topology	---	Y	---	3.7
145	<a href="#">111101160</a>	62	NOC:An Introduction to Point-Set-Topology - Part II	Y	Y	---	6.5
146	<a href="#">111102160</a>	58	NOC:Introduction to Probability Theory and Statistics	---	Y	Y	5.1
147	<a href="#">111104160</a>	54	NOC:Foundations of R Software	Y	Y	Y	5.4
148	<a href="#">111104161</a>	54	NOC:Foundations of R Software (In Hindi)	---	Y	---	9.1
149	<a href="#">111105160</a>	60	NOC:Advanced Calculus For Engineers	---	Y	---	4.7
150	<a href="#">111105161</a>	60	NOC:Rings and Modules	---	Y	---	4.1
151	<a href="#">111106160</a>	51	NOC:Operator Theory	---	Y	---	4.5
152	<a href="#">111106161</a>	79	NOC:Measure and Integration	Y	Y	Y	4.4
153	<a href="#">111106162</a>	58	NOC:Approximate Reasoning using Fuzzy Set Theory	Y	Y	Y	5.4
154	<a href="#">111106163</a>	45	NOC:Probability-II with Examples Using R	---	Y	---	3.1
155	<a href="#">111101164</a>	60	NOC:Fourier Analysis and its Applications	Y	Y	Y	5.1
156	<a href="#">111101165</a>	61	NOC:Numerical Analysis (2023)	Y	Y	---	4.6
157	<a href="#">111104164</a>	41	NOC:An Introduction to Hyperbolic Geometry	---	Y	---	2.3
158	<a href="#">111104165</a>	42	NOC:A Primer to Mathematical Optimization	---	Y	---	4.6
159	<a href="#">111105164</a>	20	NOC:Advanced Computational Techniques	Y	Y	Y	1.6
160	<a href="#">111105165</a>	60	NOC:Applied Linear Algebra in AI and ML	---	Y	---	3.9
161	<a href="#">111105167</a>	60	NOC:Advanced Engineering Mathematics	Y	Y	---	5.5
162	<a href="#">111106164</a>	64	NOC:Predictive Analytics - Regression and Classification	Y	Y	---	4.7
163	<a href="#">111107164</a>	60	NOC:Advanced Linear Algebra	---	Y	---	3.8

164	<a href="#">111108164</a>	40	NOC:C* Algebras and Spectral Theorem	---	Y	---	6.0
165	<a href="#">111101168</a>	42	NOC:Point Set Topology	---	Y	Y	2.9
166	<a href="#">111104168</a>	44	NOC:Measure Theoretic Probability 2	---	Y	---	4.1
167	<a href="#">111105169</a>	72	NOC:Essentials of Topology	---	Y	---	4.7
168	<a href="#">111106168</a>	75	NOC:Introduction to Algebraic Geometry	---	Y	---	5.2
169	<a href="#">111108168</a>	42	NOC:Advanced Partial Differential Equations (Part I: Distributions and Sobolev Spaces)	---	Y	---	4.0
170	<a href="#">111104416</a>	52	NOC:Set Theory and Mathematical Logic	---	Y	---	8.5
171	<a href="#">111105417</a>	63	NOC:Numerical Linear Algebra and Application	---	Y	---	4.9
172	<a href="#">111106415</a>	60	NOC:Introduction to Statistics	---	Y	---	3.5
173	<a href="#">111108412</a>	40	NOC:Advanced Course on Partial Differential Equations - II	---	Y	---	3.7
174	<a href="#">111108413</a>	58	NOC:Introduction to Group Theory	---	Y	---	7.9
175	<a href="#">111108414</a>	55	NOC:Introduction to Lie Algebras	---	Y	---	3.9

**Discipline : Mechanical Engineering**

[Go to Top](#)

**Video Lecture Topics @ <http://www.digimat.in/downloads/topics/mechanical-engineering.pdf>**

1	<a href="#">112101002</a>	43	Convective Heat and Mass Transfer	Y	Y	Y	18
2	<a href="#">112101004</a>	42	Cryogenic Engineering	Y	Y	Y	34
3	<a href="#">112101095</a>	40	Advanced Strength of Materials	Y	Y	Y	9.7
4	<a href="#">112101097</a>	35	Heat and Mass Transfer	Y	Y	Y	6.7
5	<a href="#">112101099</a>	40	Robotics	Y	Y	Y	11
6	<a href="#">112102014</a>	42	Tribology	Y	Y	Y	18
7	<a href="#">112102101</a>	52	Computer Aided Design and Manufacturing	Y	Y	Y	8.8
8	<a href="#">112102106</a>	41	Project and Production Management	Y	Y	Y	11
9	<a href="#">112103023</a>	40	Nonlinear Vibration	Y	Y	Y	20
10	<a href="#">112103025</a>	42	Theory and Practice of Rotor Dynamics	Y	Y	Y	26
11	<a href="#">112103108</a>	40	Engineering Mechanics	Y	Y	Y	9.5
12	<a href="#">112103112</a>	40	Mechanical Vibrations	Y	Y	Y	9.3
13	<a href="#">112104026</a>	39	Acoustics	Y	Y	Y	9.4
14	<a href="#">112104028</a>	34	Advanced Machining Processes	Y	Y	Y	14
15	<a href="#">112104029</a>	40	Biomicroelectromechanical systems	Y	Y	Y	18
16	<a href="#">112104031</a>	40	Computer Aided Engineering Design	Y	Y	Y	16
17	<a href="#">112104035</a>	40	Mathematical Methods in Engineering and Science	Y	Y	Y	12
18	<a href="#">112104114</a>	44	Dynamics of Machines	Y	Y	Y	5.9
19	<a href="#">112104115</a>	38	Finite Element Method	Y	Y	Y	4.4
20	<a href="#">112104121</a>	39	Kinematics of Machines	Y	Y	Y	3.6
21	<a href="#">112104162</a>	38	Advanced manufacturing process for micro system fabrication	Y	Y	Y	14
22	<a href="#">112104172</a>	40	Engineering Drawing	Y	Y	Y	15
23	<a href="#">112104181</a>	42	NOC:BioMEMS and Microsystems	Y	Y	Y	4.6

24	<a href="#">112105045</a>	43	Computational Fluid Dynamics (Prof. S. Chakraborty)	Y	Y	Y	22
25	<a href="#">112105048</a>	40	Machinery fault diagnosis and signal processing	Y	Y	Y	9.4
26	<a href="#">112105051</a>	43	Solar Energy Technology	Y	Y	Y	11
27	<a href="#">112105053</a>	40	Technology of Surface Coating	Y	Y	Y	11
28	<a href="#">112105055</a>	40	Vibration of Structures	Y	Y	Y	11
29	<a href="#">112105123</a>	32	Basic Thermodynamics	Y	Y	Y	7.1
30	<a href="#">112105124</a>	40	Design of Machine Elements I	Y	Y	Y	12
31	<a href="#">112105126</a>	41	Manufacturing Processes II	Y	Y	Y	9.1
32	<a href="#">112105128</a>	46	Refrigeration and Air Conditioning	Y	Y	Y	12
33	<a href="#">112105171</a>	49	Fluid Mechanics	Y	Y	Y	13
34	<a href="#">112105182</a>	40	Introduction to Fluid Machines and Compressible Flow	Y	Y	Y	11
35	<a href="#">112105183</a>	58	Introduction to Fluid Mechanics and Fluid Engineering	Y	Y	Y	17
36	<a href="#">112106056</a>	40	Advanced Gas Dynamics	Y	Y	Y	18
37	<a href="#">112106064</a>	40	Design and Optimization of Energy systems	Y	Y	Y	16
38	<a href="#">112106065</a>	41	Engineering Fracture Mechanics	Y	Y	Y	18
39	<a href="#">112106068</a>	41	Experimental Stress Analysis	Y	Y	Y	19
40	<a href="#">112106073</a>	41	Rocket Propulsion	Y	Y	Y	18
41	<a href="#">112106130</a>	30	Advanced Finite Elements Analysis	Y	Y	Y	4.9
42	<a href="#">112106131</a>	39	Advanced Operations Research	Y	Y	Y	13
43	<a href="#">112106134</a>	22	Fundamentals of Operations Research	Y	Y	Y	4.6
44	<a href="#">112106135</a>	33	Introduction to Finite Element Method	Y	Y	Y	7.3
45	<a href="#">112106138</a>	50	Mechanical Measurements and Metrology	Y	Y	Y	13
46	<a href="#">112106140</a>	26	Principles of Mechanical Measurements	Y	Y	Y	5.4
47	<a href="#">112106154</a>	41	Spray Theory and Applications (Repurposed)	Y	Y	Y	17
48	<a href="#">112106155</a>	46	Conduction And Radiation	Y	Y	Y	19
49	<a href="#">112106166</a>	40	Gas Dynamics and Propulsion	Y	Y	Y	31
50	<a href="#">112106169</a>	41	Microfluidics	Y	Y	Y	25
51	<a href="#">112106170</a>	44	Convective Heat Transfer	Y	Y	Y	27
52	<a href="#">112106177</a>	40	Introduction to Explosions and Explosion Safety	Y	Y	Y	33
53	<a href="#">112106180</a>	35	NOC:Engineering Mechanics Statics and Dynamics	Y	Y	Y	4.0
54	<a href="#">112107078</a>	40	Advanced Manufacturing Processes	Y	Y	Y	20
55	<a href="#">112107079</a>	43	Computational Fluid Dynamics (Dr. K.M. Singh)	Y	Y	Y	31
56	<a href="#">112107086</a>	40	Processing of non metals	Y	Y	Y	31
57	<a href="#">112107087</a>	40	Vibration control	Y	Y	Y	34
58	<a href="#">112107089</a>	40	Welding Engineering	Y	Y	Y	31
59	<a href="#">112107143</a>	40	Industrial Engineering	Y	Y	Y	8.3
60	<a href="#">112107145</a>	40	Manufacturing Processes I	Y	Y	Y	8.0
61	<a href="#">112107147</a>	40	Strength of Materials	Y	Y	Y	8.0



62	112108092	40	Micro and Smart Systems	Y	Y	Y	11
63	112105187	48	Micro fluidics	Y	Y	Y	23
64	112106186	44	NOC:Foundation of Computational Fluid Dynamics	Y	Y	Y	2.4
65	112104188	48	NOC:Manufacturing Systems Technology	Y	Y	Y	7.5
66	112104189	30	NOC:Manufacturing Systems Technology - Part II	Y	Y	Y	4.5
67	112105047	43	Fundamentals of Industrial Oil Hydraulics and Pneumatics	Y	Y	Y	13
68	112105192	41	NOC:Conduction and Convection Heat Transfer	Y	Y	Y	19
69	112105197	35	NOC:Vibrations of Structures	Y	Y	Y	9.8
70	112106190	40	NOC:Introduction to Boundary Layers	Y	Y	Y	16
71	112104193	48	NOC:Basics of Finite Element Analysis	Y	Y	Y	1.7
72	112106196	48	NOC:Fundamentals of Gas Dynamics	Y	Y	Y	21
73	112104194	48	NOC:Basics of Noise and Its Measurements	Y	Y	Y	2.3
74	112104195	48	NOC:Manufacturing Process Technology - Part I	Y	Y	Y	2.3
75	112106198	32	NOC:Experimental Stress Analysis:An Overview	Y	Y	Y	4.0
76	112108201	44	NOC:Variational Methods in Mechanics	Y	Y	Y	13
77	112105206	39	NOC:Fluid Machines	Y	Y	Y	9.5
78	112104203	40	NOC:Nature and Property of Materials	Y	Y	Y	2.9
79	112104204	48	NOC:Manufacturing Process Technology - II	Y	Y	Y	3.3
80	112104205	48	NOC:Basics of Finite Element Analysis - II	Y	Y	Y	1.8
81	112107209	40	NOC:Engineering Economic Analysis	Y	Y	Y	11
82	112107208	40	NOC:Refrigeration and Air-Conditioning	Y	Y	Y	9.6
83	112107207	20	NOC:Two Phase Flow and Heat Transfer	Y	Y	Y	3.9
84	112106200	34	NOC:Fluid Dynamics and Turbomachines	Y	Y	Y	15
85	112103202	19	NOC:Advanced Machining Processes	Y	Y	Y	6.9
86	112105211	20	NOC:Computer Numerical Control (CNC) of Machine Tools and Processes	Y	Y	Y	4.5
87	112106179	44	Metrology	Y	Y	Y	29
88	112107083	40	Metal Casting	Y	Y	Y	28
89	112108212	40	NOC:Heat Transfer and Combustion in Multiphase Systems	Y	Y	Y	7.9
90	112108211	72	NOC:Compliant Mechanisms: Principles and Design	Y	Y	Y	16
91	112107212	40	NOC:Introduction to Mechanical Vibration	Y	Y	Y	11
92	112107216	40	NOC:Steam and Gas Power Systems	Y	Y	Y	9.3
93	112107215	40	NOC:Principles of Casting Technology	Y	Y	Y	11
94	112107214	40	NOC:Modelling and Simulation of Dynamic Systems	Y	Y	Y	9.4
95	112107213	60	NOC:Joining Technologies of Metals	Y	Y	Y	7.8
96	112105212	20	NOC:Non Traditional Abrasive Machining Processes - Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining	Y	Y	Y	5.4
97	112107217	20	NOC:Product Design and Development	Y	Y	Y	5.7
98	112107211	20	NOC:Convective Heat Transfer	Y	Y	Y	5.7
99	112105218	60	NOC:Introduction to Fluid Mechanics	Y	Y	Y*	17

100	<a href="#">112104212</a>	72	NOC:Fundamentals of Acoustics	Y	Y	Y	3.1
101	<a href="#">112104211</a>	21	NOC:Principles of Vibration Control	Y	Y	Y	1.6
102	<a href="#">112104219</a>	40	NOC:Heat Treatment and Surface Hardening - II	Y	Y	Y	4.4
103	<a href="#">112104220</a>	50	NOC:Phase Transformation in Materials	Y	Y	Y	3.3
104	<a href="#">112107219</a>	60	NOC:Fundamentals of Manufacturing Processes	Y	Y	Y	17
105	<a href="#">112106222</a>	42	NOC:Micro and Nano Scale Energy Transport	Y	Y	Y	34
106	<a href="#">112104221</a>	31	NOC:Manufacturing of Composites	Y	Y	Y	2.5
107	<a href="#">112104222</a>	54	NOC:Applied Ergonomics	Y	Y	Y	4.7
108	<a href="#">112106223</a>	40	NOC:Electron Diffraction and Imaging	Y	Y	Y	31
109	<a href="#">112106225</a>	42	NOC:Acoustic and Noise Control	Y	Y	Y	21
110	<a href="#">112104225</a>	30	NOC:Sustainability through Green Manufacturing Systems: An Applied Approach	Y	Y	Y	4.4
111	<a href="#">112107220</a>	40	NOC:Modelling and Simulation of Discrete Event System	Y	Y	Y	11
112	<a href="#">112107221</a>	40	NOC:Processing of Polymers and Polymer Composites	Y	Y	Y	11
113	<a href="#">112106226</a>	49	NOC:Steel Quality: Role of Secondary Refining and Continuous Casting	Y	Y	Y	16
114	<a href="#">112106227</a>	40	NOC:X-ray Crystallography and Diffraction	Y	Y	Y	24
115	<a href="#">112104227</a>	72	NOC:Noise Management and Control	Y	Y	Y	4.0
116	<a href="#">112105219</a>	20	NOC:Spur and Helical Gear Cutting	Y	Y	Y	5.7
117	<a href="#">112105220</a>	21	NOC:Laws of Thermodynamics	Y	Y	Y	6.8
118	<a href="#">112105221</a>	68	NOC:Energy Conservation and Waste Heat Recovery	Y	Y	Y	17
119	<a href="#">112105233</a>	21	NOC:Metal Cutting and Machine Tools	Y	Y	Y	6.4
120	<a href="#">112104230</a>	50	NOC:Product Design and Manufacturing	Y	Y	Y	24
121	<a href="#">112106237</a>	33	NOC:Transport Phenomena in Materials	Y	Y	Y	11
122	<a href="#">112105234</a>	45	NOC:Gear and Gear Unit Design: Theory and Practice	Y	Y	Y	11
123	<a href="#">112105235</a>	45	NOC:Traditional and Non-Traditional Optimization Tools	Y	Y	Y	11
124	<a href="#">112104228</a>	32	NOC:Design Practice	Y	Y	Y	8.4
125	<a href="#">112105236</a>	40	NOC:Mechanism and Robot Kinematics	Y	Y	Y	12
126	<a href="#">112103244</a>	23	NOC:Advances in Welding and Joining Technologies	Y	Y	Y	12
127	<a href="#">112107240</a>	40	NOC:Automatic Control	Y	Y	Y	11
128	<a href="#">112107241</a>	40	NOC:Failure Analysis and Prevention	Y	Y	Y	11
129	<a href="#">112107242</a>	40	NOC:Mechanical Measurement System	Y	Y	Y	12
130	<a href="#">112103245</a>	27	NOC:Introduction to Machining and Machining Fluids	Y	Y	Y	9.9
131	<a href="#">112107238</a>	60	NOC:Operations Management	Y	Y	Y	4.1
132	<a href="#">112104229</a>	72	NOC:Introduction To Composites	Y	Y	Y	14
133	<a href="#">112108246</a>	60	NOC:Convective Heat Transfer (2018)	Y	Y	Y	14
134	<a href="#">112103243</a>	30	NOC:Fundamentals of Nuclear Power Generation	Y	Y	Y	6.9
135	<a href="#">112105232</a>	60	NOC:Machinery Fault Diagnosis and Signal Processing	Y	Y	Y	15
136	<a href="#">112105231</a>	63	NOC:Introduction to Mechanical Micro Machining	Y	Y	Y	16
137	<a href="#">112107239</a>	60	NOC:Theory of Production Processes	Y	Y	Y	17

138	<a href="#">112106247</a>	37	NOC:Experimental Stress Analysis: An Overview	Y	Y	Y	62
139	<a href="#">112102248</a>	15	NOC:RAC Product Design	Y	Y	Y	9.6
140	<a href="#">112103248</a>	20	NOC:Mechanics of Machining	Y	Y	Y	6.2
141	<a href="#">112103249</a>	58	NOC:Principle of Hydraulic Machines and System Design	Y	Y	---	8.4
142	<a href="#">112103250</a>	25	NOC:Introduction to Abrasive Machining and Finishing Processes	Y	Y	Y	18
143	<a href="#">112103251</a>	14	NOC:Theory of Rectangular Plates - Part I	Y	Y	Y	3.8
144	<a href="#">112104248</a>	40	NOC:Phase Equilibria in Materials-Nature and Properties of Materials-II	Y	Y	Y	7.6
145	<a href="#">112104249</a>	72	NOC:Advanced Composites	Y	Y	Y	8.4
146	<a href="#">112104250</a>	52	NOC:Engineering Metrology	Y	Y	Y	18
147	<a href="#">112104251</a>	19	NOC:Smart Materials and Intelligent System Design	Y	Y	Y	7.7
148	<a href="#">112104252</a>	37	NOC:Design Practice-II	Y	Y	Y	7.0
149	<a href="#">112105248</a>	66	NOC:Heat Exchangers: Fundamentals and Design Analysis	Y	Y	Y	18
150	<a href="#">112105249</a>	45	NOC:Robotics	Y	Y	Y	11
151	<a href="#">112106248</a>	50	NOC:Mechanics of Human Movement	Y	Y	Y	53
152	<a href="#">112106249</a>	41	NOC:Design for Quality, Manufacturing and Assembly	Y	Y	Y	35
153	<a href="#">112106250</a>	19	NOC:Surrogates and Approximations in Engineering Design	Y	Y	Y	14
154	<a href="#">112107248</a>	60	NOC:Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	Y	Y	Y	8.5
155	<a href="#">112107249</a>	60	NOC:Work System Design	Y	Y	Y	19
156	<a href="#">112107250</a>	40	NOC:Principles of Metal Forming Technology	Y	Y	Y	7.8
157	<a href="#">112102255</a>	54	NOC:Thermodynamics	Y	Y	Y	32
158	<a href="#">112103261</a>	33	NOC:Principles of Mechanical Measurement	Y	Y	Y	16
159	<a href="#">112103262</a>	50	NOC:IC Engines and Gas Turbines	Y	Y	Y	21
160	<a href="#">112103263</a>	24	NOC:Fundamental of Welding Science and Technology	Y	Y	Y	13
161	<a href="#">112103264</a>	15	NOC:Polymer Assisted Abrasive Finishing Processes	Y	Y	Y	11
162	<a href="#">112104265</a>	44	NOC:Rapid Manufacturing	Y	Y	Y	27
163	<a href="#">112105266</a>	68	NOC:Concepts of Thermodynamics	Y	Y	Y	19
164	<a href="#">112105267</a>	40	NOC:Electronic Packaging and Manufacturing	Y	Y	Y	10
165	<a href="#">112105268</a>	40	NOC:Kinematics of Mechanisms and Machines	Y	Y	Y	11
166	<a href="#">112107256</a>	40	NOC:Radiative Heat Transfer	Y	Y	Y	7.3
167	<a href="#">112107257</a>	40	NOC:Weldability of Metals	Y	Y	Y	5.3
168	<a href="#">112107258</a>	40	NOC:Manufacturing Guidelines for Product Design	Y	Y	Y	13
169	<a href="#">112107259</a>	20	NOC:Inspection and Quality Control in Manufacturing	Y	Y	Y	4.5
170	<a href="#">112107260</a>	60	NOC:Financial Mathematics	Y	Y	Y	9.7
171	<a href="#">112105269</a>	60	NOC:Introduction to Fluid Mechanics (2019)	Y	Y	Y	16
172	<a href="#">112106270</a>	37	Theory of Mechanism	Y	Y	---	90
173	<a href="#">112102284</a>	32	NOC:Solid Mechanics	Y	Y	Y	26
174	<a href="#">112103273</a>	38	NOC:Mathematical Modeling of Manufacturing Processes	Y	Y	Y	25
175	<a href="#">112103274</a>	8	NOC:Two-Phase flow with phase change in conventional	Y	Y	Y	5.0

			and miniature channels				
176	<a href="#">112103275</a>	36	NOC:Applied Thermodynamics For Engineers	Y	Y	Y	27
177	<a href="#">112103276</a>	33	NOC:Fundamentals of Conduction and Radiation	Y	Y	Y	22
178	<a href="#">112103277</a>	33	NOC:Steam Power Engineering	Y	Y	Y	8.5
179	<a href="#">112103278</a>	45	NOC:Dynamic Behaviour of Materials	Y	Y	Y	14
180	<a href="#">112103279</a>	36	NOC:Plastic Working of Metallic Materials	---	Y	Y	9.9
181	<a href="#">112103280</a>	34	NOC:Fundamentals of Artificial Intelligence	Y	Y	Y	17
182	<a href="#">112103281</a>	42	NOC:Aircraft Propulsion	Y	Y	Y	12
183	<a href="#">112104272</a>	60	NOC:Turbulent Combustion: Theory and Modelling	Y	Y	Y	26
184	<a href="#">112104288</a>	20	NOC:Manufacturing Automation	Y	Y	Y	8.4
185	<a href="#">112105287</a>	59	NOC:Advanced Concepts in Fluid Mechanics	Y	Y	Y	28
186	<a href="#">112106286</a>	37	NOC:Engineering Mechanics	Y	Y	Y	127
187	<a href="#">112107282</a>	20	NOC:Product Design Using Value Engineering	Y	Y	Y	9.1
188	<a href="#">112107283</a>	20	NOC:Selection of Nanomaterials for Energy Harvesting and Storage Application	Y	Y	Y	4.8
189	<a href="#">112108285</a>	25	NOC:A Short Lecture Series on Contour Integration in the Complex Plane	Y	Y	Y	3.5
190	<a href="#">112105254</a>	60	NOC:Computational Fluid Dynamics	---	Y	---	5.9
191	<a href="#">112105271</a>	65	NOC:Conduction and Convection Heat Transfer	Y	Y	---	11
192	<a href="#">112106253</a>	55	NOC: Steel Quality: Role of Secondary Refining and Continuous Casting	---	Y	Y	4.9
193	<a href="#">112107290</a>	39	NOC:Acoustic Metamaterials	Y	Y	Y	6.8
194	<a href="#">112103289</a>	37	NOC:Computational Fluid Dynamics for Incompressible Flows	Y	Y	Y	22
195	<a href="#">112104289</a>	50	NOC:Computer Integrated Manufacturing	Y	Y	Y	40
196	<a href="#">112103290</a>	43	NOC:Experimental Methods in Fluid Mechanics	Y	Y	Y	14
197	<a href="#">112106289</a>	34	NOC:Foundations of Computational Materials Modelling	Y	Y	Y	29
198	<a href="#">112106290</a>	33	NOC:Fundamentals of Combustion for Propulsion	Y	Y	Y	26
199	<a href="#">112108289</a>	43	NOC:Introduction to Soft Matter	Y	Y	Y	5.2
200	<a href="#">112104290</a>	20	NOC:Machining Science	Y	Y	Y	9.4
201	<a href="#">112107291</a>	40	NOC:Power Plant Engineering	Y	Y	Y	3.9
202	<a href="#">112107292</a>	60	NOC:Principles of Industrial Engineering	Y	Y	Y	5.8
203	<a href="#">112107289</a>	40	NOC:Robotics and Control: Theory and Practice	Y	Y	Y	3.4
204	<a href="#">112103293</a>	38	NOC:Automation in Manufacturing	Y	Y	Y	8.4
205	<a href="#">112106293</a>	66	NOC:Basics of Materials Engineering	Y	Y	Y	11
206	<a href="#">112103296</a>	40	NOC:Computational Continuum Mechanics	Y	Y	Y	6.6
207	<a href="#">112106294</a>	42	NOC:Computational Fluid Dynamics using Finite Volume Method	Y	Y	Y	7.7
208	<a href="#">112105294</a>	65	NOC:Engineering Drawing and Computer Graphics	Y	Y	Y	17
209	<a href="#">112103295</a>	35	NOC:Finite Element Method: Variational Methods to Computer Programming	---	Y	---	5.5
210	<a href="#">112104293</a>	14	NOC:Foundations of Cognitive Robotics	Y	Y	Y	7.6

211	<a href="#">112103294</a>	31	NOC:Fundamentals of Compressible Flow	Y	Y	Y*	4.5
212	<a href="#">112103297</a>	43	NOC:Fundamentals of Convective Heat Transfer	Y	Y	Y	8.8
213	<a href="#">112105293</a>	40	NOC:High Performance Computing for Scientists and Engineers	Y	Y	Y	24
214	<a href="#">112101298</a>	67	NOC:Optimization from Fundamentals	Y	Y	---	5.4
215	<a href="#">112102298</a>	29	NOC:Introduction to Uncertainty Analysis and Experimentation	Y	Y	---	5.0
216	<a href="#">112103298</a>	28	NOC:Theory of Composite Shells	Y	Y	Y	3.1
217	<a href="#">112103299</a>	40	NOC:Finite Element Modeling of Welding Processes	Y	Y	---	7.6
218	<a href="#">112103300</a>	36	NOC:Nonlinear Vibration	Y	Y	---	4.7
219	<a href="#">112103301</a>	26	NOC:Evolutionary Computation for Single and Multi Objective Optimization	Y	Y	Y	4.7
220	<a href="#">112103302</a>	44	NOC:Viscous Fluid Flow	Y	Y	---	5.3
221	<a href="#">112104298</a>	28	NOC:Introduction to Robotics	---	Y	---	2.9
222	<a href="#">112104299</a>	47	NOC:Muffler Acoustics - Application to Automotive Exhaust Noise Control	Y	Y	Y	5.9
223	<a href="#">112104300</a>	35	NOC:Elements of Solar Energy Conversion	Y	Y	Y	9.5
224	<a href="#">112104301</a>	20	NOC:Manufacturing Processes - Casting and Joining	Y	Y	Y	3.2
225	<a href="#">112104302</a>	26	NOC:Computational Fluid Dynamics and Heat Transfer	---	Y	---	3.7
226	<a href="#">112105299</a>	43	NOC:Tools in Scientific Computing	---	Y	---	6.7
227	<a href="#">112106298</a>	46	NOC:Wheeled Mobile Robots	Y	Y	Y	3.7
228	<a href="#">112106299</a>	61	NOC:Fundamentals of Combustion	Y	Y	Y	11
229	<a href="#">112106300</a>	96	NOC:Oil Hydraulics and Pneumatics	Y	Y	---	7.9
230	<a href="#">112107298</a>	40	NOC:Mechatronics	Y	Y	Y	5.9
231	<a href="#">112108298</a>	42	NOC:Robotics: Basics and Selected Advanced Concepts	Y	Y	Y	3.7
232	<a href="#">112106303</a>	21	Introduction to Turbomachines	---	Y	---	0.7
233	<a href="#">112101304</a>	48	NOC:Design of Mechatronic Systems	Y	Y	Y	4.6
234	<a href="#">112102304</a>	50	NOC:Engineering Graphics and Design	Y	Y	Y	5.5
235	<a href="#">112103305</a>	27	NOC:Welding Application Technology	---	Y	---	4.2
236	<a href="#">112103306</a>	33	NOC:Fundamentals of Additive Manufacturing Technologies	---	Y	---	6.0
237	<a href="#">112103307</a>	44	NOC:Applied Thermodynamics	Y	Y	Y	6.1
238	<a href="#">112104304</a>	33	NOC:Production Technology: Theory and Practice	Y	Y	Y	13
239	<a href="#">112104305</a>	50	NOC:Introduction to Turbomachinery	---	Y	---	3.8
240	<a href="#">112105304</a>	60	NOC:Advanced Dynamics	Y	Y	Y	4.6
241	<a href="#">112105305</a>	44	NOC:Biomechanics of Joints and Orthopaedic Implants	Y	Y	Y	4.5
242	<a href="#">112105306</a>	60	NOC:Elements of Metal Cutting, Machine tools, Gear Cutting and CNC Machining	Y	Y	Y	4.1
243	<a href="#">112106304</a>	45	NOC:Mechanics and Control of Robotic Manipulators	Y	Y	Y	4.3
244	<a href="#">112103308</a>	32	NOC:Mechanics of Fiber Reinforced Polymer Composite Structures	Y	Y	---	4.1
245	<a href="#">112104308</a>	20	NOC:Robot Motion Planning	Y	Y	Y	2.2
246	<a href="#">112105308</a>	60	NOC:Finite Element Method	---	Y	---	6.7
247	<a href="#">112108308</a>	60	NOC:Sound and Structural Vibration	---	Y	Y	3.9
248	<a href="#">112106309</a>	37	Inverse Methods in Heat Transfer	---	Y	---	11

249	<a href="#">112106310</a>	38	Engineering Thermodynamics (2022)	---	Y	---	3.8
250	<a href="#">112106311</a>	9	Applied Mechanics - Fluid Mechanics Laboratory	---	Y	---	0.7
251	<a href="#">112101312</a>	71	NOC:Nonlinear Adaptive Control	---	Y	Y	9.3
252	<a href="#">112103312</a>	26	NOC:Laser Based Manufacturing	---	Y	---	3.0
253	<a href="#">112103313</a>	32	NOC:Advanced Thermodynamics and Combustion	Y	Y	Y	4.3
254	<a href="#">112104312</a>	47	NOC:Metal Additive Manufacturing	Y	Y	Y	5.8
255	<a href="#">112104313</a>	39	NOC:Conduction and Convection: Fundamentals and Applications	---	Y	---	4.2
256	<a href="#">112106312</a>	53	NOC:Interfacial Fluid Mechanics	---	Y	---	3.8
257	<a href="#">112106314</a>	45	Applied Thermodynamics	---	Y	---	5.3
258	<a href="#">112108312</a>	60	NOC:Vibrations of Plates and Shells	---	Y	---	4.5
259	<a href="#">112108313</a>	32	NOC: Dynamics and Control of Mechanical Systems	Y	Y	---	3.5
260	<a href="#">112102316</a>	15	NOC:Ideal Fluid Flows using Complex Analysis	Y	Y	Y	1.3
261	<a href="#">112103316</a>	66	NOC:Thermal Engineering: Basic and Applied	---	Y	---	12
262	<a href="#">112104316</a>	30	NOC:Advanced Robotics	---	Y	---	3.2
263	<a href="#">112105316</a>	40	NOC:Product Engineering and Design Thinking	Y	Y	Y	4.7
264	<a href="#">112106316</a>	67	NOC:Inverse Methods in Heat Transfer	Y	Y	---	4.7
265	<a href="#">112108316</a>	43	NOC:Optical Methods for Solid and Fluid Mechanics	Y	Y	---	3.8
266	<a href="#">112108317</a>	59	NOC:Statistical Thermodynamics for Engineers	Y	Y	Y	3.6
267	<a href="#">112102318</a>	40	NOC:Experimental Modal Analysis	---	Y	---	5.6
268	<a href="#">112102319</a>	53	NOC:Mechanical Behavior of Polymers and Composites	---	Y	---	5.0
269	<a href="#">112104318</a>	127	NOC:Applied Numerical Methods	---	Y	---	4.0
270	<a href="#">112104319</a>	52	NOC:Social Innovation in Industry 4.0	Y	Y	Y	6.2
271	<a href="#">112105318</a>	68	NOC:Microfluidics and Nanofluidics	---	Y	---	19
272	<a href="#">112105319</a>	50	NOC:Industrial Robotics: Theories for Implementation	---	Y	---	6.3
273	<a href="#">112106318</a>	89	NOC:Sustainable Energy Technology	---	Y	---	8.0
274	<a href="#">112106319</a>	39	NOC:Strength of Materials - IITM	Y	Y	Y	9.9
275	<a href="#">112106320</a>	70	NOC:Engineering Thermodynamics	---	Y	---	7.9
276	<a href="#">112106321</a>	61	NOC:Theory of Fire Propagation (Fire Dynamics)	Y	Y	---	8.5
277	<a href="#">112101429</a>	73	NOC:Nonlinear Control Design	---	Y	---	6.0
278	<a href="#">112102428</a>	36	NOC:Data-Enabled Tribological Engineering: From Experiments to Predictive Models	---	Y	---	12
279	<a href="#">112103420</a>	21	NOC:Mechanics of Sheet Metal Forming	---	Y	---	3.2
280	<a href="#">112103421</a>	34	NOC:Power Plant System Engineering	---	Y	---	4.6
281	<a href="#">112103427</a>	23	NOC:Introduction to Solidification Processing	---	Y	---	3.4
282	<a href="#">112104418</a>	55	NOC:Engineering Thermodynamics in Hindi	---	Y	---	4.7
283	<a href="#">112104425</a>	33	NOC:Advanced Machining Processes (2024)	---	Y	---	5.5
284	<a href="#">112105422</a>	40	NOC:Cryogenic Hydrogen Technology	---	Y	---	3.1
285	<a href="#">112105423</a>	60	NOC:Industrial Hydraulics and Automation	---	Y	---	5.5
286	<a href="#">112106419</a>	72	NOC:Applied Thermodynamics (2024)	---	Y	---	8.2

287	<a href="#">112106424</a>	34	NOC:Design of Mechanical Transmission Systems	---	Y	---	5.4
288	<a href="#">112106315</a>	41	Heat Transfer (Dr. C. Balaji)	---	Y	---	6.4
<b>Discipline : Metallurgy and Material Science</b>							
<a href="#">Go to Top</a>							
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1	<a href="#">113104006</a>	41	Electroceramics	Y	Y	Y	18
2	<a href="#">113104008</a>	40	Fuels Refractory and Furnaces	Y	Y	Y	7.5
3	<a href="#">113104009</a>	39	Introduction to Biomaterials	Y	Y	Y	15
4	<a href="#">113104010</a>	40	Materials and Energy balance in Metallurgical Processes	Y	Y	Y	14
5	<a href="#">113104012</a>	40	Optoelectronic Materials and Devices	Y	Y	Y	12
6	<a href="#">113104013</a>	42	Steel Making	Y	Y	Y	16
7	<a href="#">113104014</a>	45	Structure of Materials	Y	Y	Y	20
8	<a href="#">113104061</a>	41	Environmental Degradation of Materials	Y	Y	Y	18
9	<a href="#">113105015</a>	47	Advanced ceramics for strategic applications	Y	Y	Y	14
10	<a href="#">113105021</a>	43	Non-ferrous Extractive Metallurgy	Y	Y	Y	20
11	<a href="#">113105024</a>	42	Principles of Physical Metallurgy	Y	Y	Y	20
12	<a href="#">113105025</a>	40	Processing of Semiconducting Materials	Y	Y	Y	11
13	<a href="#">113105028</a>	40	Science and Technology of Polymers	Y	Y	Y	11
14	<a href="#">113105057</a>	26	Advanced Materials and Processes	Y	Y	Y	5.3
15	<a href="#">113106031</a>	31	Advanced Metallurgical Thermodynamics	Y	Y	Y	13
16	<a href="#">113106039</a>	40	Physics of Materials	Y	Y	Y	15
17	<a href="#">113106062</a>	40	Electronic Materials, Devices and Fabrication	Y	Y	Y	26
18	<a href="#">113106065</a>	27	NOC:Fundamentals of Electronic Materials and Devices	Y	Y	Y	12
19	<a href="#">113106066</a>	11	NOC:Introduction to Reciprocal Space and its use in Solids	Y	Y	Y	5.1
20	<a href="#">113106067</a>	20	NOC:Analysis and Modeling of Welding	Y	Y	Y	7.8
21	<a href="#">113106064</a>	22	NOC:Fundamentals of optical and scanning electron microscopy	Y	Y	Y	12
22	<a href="#">113104068</a>	61	NOC:Phase Diagrams in Materials Science and Engineering	Y	Y	Y	3.6
23	<a href="#">113104004</a>	33	Advanced Characterization Techniques	Y	Y	Y	22
24	<a href="#">113106034</a>	54	Materials Characterization	Y	Y	Y	30
25	<a href="#">113108071</a>	40	NOC:Biomaterials for Bone Tissue Engineering Applications	Y	Y	Y	9.7
26	<a href="#">113104073</a>	40	NOC:Fundamentals of Material Processing - I	Y	Y	Y*	3.2
27	<a href="#">113104074</a>	40	NOC:Heat Treatment and Surface Hardening - I	Y	Y	Y	3.1
28	<a href="#">113101072</a>	87	NOC:Phase Field Modelling: The Materials Science, Mathematics and Computational Aspects	Y	Y	Y	18
29	<a href="#">113103072</a>	17	NOC:Introduction to Crystal Elasticity and Crystal Plasticity	Y	Y	Y	8.2
30	<a href="#">113106070</a>	40	NOC:Theory and Practice of Non Destructive Testing	Y	Y	Y	15
31	<a href="#">113107075</a>	40	NOC:Surface Engineering of Nanomaterials	Y	Y	Y	11
32	<a href="#">113106075</a>	35	NOC:Defects in Materials	Y	Y	Y	27
33	<a href="#">113104075</a>	41	NOC:Fundamentals of Material Processing - Part 2	Y	Y	Y	4.1

34	113108079	39	NOC:Iron Making	Y	Y	Y	11
35	113102080	147	NOC:Introduction to Materials Science and Engineering	Y	Y	Y	36
36	113107078	40	NOC:Material Science and Engineering	Y	Y	Y	9.2
37	113105077	47	NOC:Principles of Polymer Synthesis	Y	Y	Y	14
38	113104076	40	NOC:Nature and Properties Of Materials - An Introductory Course	Y	Y	Y	10
39	113104081	40	NOC:Defects in Crystalline Solids - Part I	Y	Y	Y	16
40	113104082	41	NOC:Corrosion - Part I	Y	Y	Y	5.9
41	113105081	60	NOC:Advanced Materials and Processes	Y	Y	Y	17
42	113106081	19	NOC:Elementary Stereology for Quantitative Metallography	Y	Y	Y	24
43	113106082	20	NOC:Welding of Advanced High Strength Steels for Automotive Applications	Y	Y	Y	18
44	113107081	20	NOC:Structural Analysis of Nanomaterials	Y	Y	Y	5.6
45	113104084	41	NOC:Solar Photovoltaics: Principles, Technologies and Material	Y	Y	Y	16
46	113104085	17	NOC:Defects in Crystalline Solids - Part II	Y	Y	Y	9.2
47	113105086	60	NOC:Surface Engineering for Corrosion and Wear Resistance Application	Y	Y	Y	17
48	113106087	59	NOC:Welding Processes	Y	Y	Y	66
49	113106088	24	NOC:Creep Deformation of Materials	Y	Y	Y	27
50	113108083	40	NOC:Friction and Wear of Materials: Principles and Case Studies	Y	Y	Y	6.7
51	113104089	41	NOC:Corrosion - Part II	Y	Y	Y	11
52	113104090	40	NOC:Fundamentals and Applications of Dielectric Ceramics	Y	Y	Y	13
53	113106093	25	NOC:Nanotechnology, Science and Applications	Y	Y	Y	54
54	113107091	40	NOC:Thermo-Mechanical and Thermo-Chemical Processes	Y	Y	Y	7.5
55	113107092	60	NOC:Welding Metallurgy	Y	Y	Y	8.3
56	113101096	99	NOC:Dealing with Materials Data:Collection, Analysis and Interpretation	Y	Y	Y	46
57	113104097	51	NOC:Diffusion in Multicomponent Solids (2020.S1)	Y	Y	Y	30
58	113107096	40	NOC:Modeling of Tundish Steelmaking Process in Continuous Casting	Y	Y	Y	5.2
59	113104096	40	NOC:Properties of Materials (Nature and Properties of Materials-III)	Y	Y	Y	9.7
60	113106069	27	NOC:Fundamentals of X-ray Diffraction and Transmission Electron Microscopy	Y	Y	Y	9.2
61	113101098	34	NOC:Aqueous Corrosion and its Control	Y	Y	Y	27
62	113105098	60	NOC:Ironmaking and Steelmaking	Y	Y	Y	33
63	113106098	60	NOC:Powder Metallurgy	Y	Y	Y	4.7
64	113101099	14	NOC:Cathodic Protection Engineering	Y	Y	Y	2.3
65	113105099	60	NOC:Non-Metallic Materials	Y	Y	Y	6.0
66	113105100	43	NOC:Scanning Electron/Ion/Probe Microscopy in Materials Characterization	---	Y	---	4.9
67	113106099	59	NOC:Carbon Materials and Manufacturing	Y	Y	Y	6.1
68	113104101	42	NOC:Corrosion Failures and Analysis	Y	Y	---	4.2
69	113104102	29	NOC:Nanomaterials and their Properties	Y	Y	Y	2.8
70	113105101	60	NOC:Techniques of Material Characterization	Y	Y	Y	9.0
71	113105102	60	NOC:Electrochemical Energy Storage	Y	Y	Y	6.3



72	<a href="#">113105103</a>	56	NOC:Texture in Materials	Y	Y	Y	9.9
73	<a href="#">113106101</a>	64	NOC:Mechanical Behavior of Materials	Y	Y	Y	4.2
74	<a href="#">113104104</a>	45	NOC:Mechanical Behaviour of Materials - Part I	---	Y	Y	3.4
75	<a href="#">113105104</a>	60	NOC:Bulk Material Transport and Handling Systems	Y	Y	---	11
76	<a href="#">113104105</a>	27	NOC:Mechanical Behaviour of Materials - Part II	---	Y	Y	2.4
77	<a href="#">113104106</a>	39	NOC:Electronic Properties of the Materials: Computational Approach	---	Y	---	2.4
78	<a href="#">113105105</a>	60	NOC:Environmental Degradation and Surface Engineering	---	Y	---	9.0
79	<a href="#">113105106</a>	60	NOC:Fracture, Fatigue and Failure of Materials	Y	Y	---	5.8
80	<a href="#">113105107</a>	60	NOC:Mine Closure and Sustainability Planning	---	Y	---	11
81	<a href="#">113106105</a>	60	NOC:Aluminium based Alloys and Metal Matrix Composites	---	Y	---	3.1
82	<a href="#">113106106</a>	26	NOC:Welding Science and Technology (In Tamil)	---	Y	---	2.9
83	<a href="#">113102108</a>	93	NOC:Crystals, Symmetry and Tensors	Y	Y	---	5.6
84	<a href="#">113104108</a>	41	NOC:Corrosion Protection Methods	---	Y	---	4.6
85	<a href="#">113102109</a>	35	NOC:Corrosion/Environmental Degradation/Surface Engineering	---	Y	---	9.6
86	<a href="#">113105109</a>	60	NOC:Fundamentals of Composite and Cellular Materials	---	Y	---	5.9
87	<a href="#">113106109</a>	38	NOC:Thermodynamics and Kinetics of Materials	---	Y	---	7.8
88	<a href="#">113105441</a>	60	NOC:Principles of Extractive Metallurgy	---	Y	---	9.7

**Discipline : Ocean Engineering**

[Go to Top](#)

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1	<a href="#">114105002</a>	49	Elements of Ocean Engineering	Y	Y	Y	12
2	<a href="#">114105003</a>	40	Hydrostatics and Stability	Y	Y	Y	19
3	<a href="#">114105004</a>	41	Marine Construction and Welding	Y	Y	Y	8.6
4	<a href="#">114105005</a>	40	Marine Hydrodynamics	Y	Y	Y	12
5	<a href="#">114105006</a>	40	Seakeeping and Manoeuvring	Y	Y	Y	8.6
6	<a href="#">114105029</a>	27	Applied Thermodynamics for Marine Systems	Y	Y	Y	5.6
7	<a href="#">114105030</a>	40	Performance of Marine Vehicles at Sea	Y	Y	Y	11
8	<a href="#">114105031</a>	36	Strength and Vibration of Marine Structures	Y	Y	Y	5.2
9	<a href="#">114106011</a>	42	Design of Offshore Structures	Y	Y	Y	16
10	<a href="#">114106015</a>	33	Foundation for Offshore Structures	Y	Y	Y	11
11	<a href="#">114106017</a>	35	Health,Safety and Environmental Management in Petroleum and Offshore Engineering	Y	Y	Y	8.0
12	<a href="#">114106025</a>	48	Port and Harbour Structures	Y	Y	Y	30
13	<a href="#">114106026</a>	17	Ship Resistance and Propulsion	Y	Y	Y	6.6
14	<a href="#">114106032</a>	37	Coastal Engineering	Y	Y	Y	14
15	<a href="#">114106033</a>	25	Wave Hydrodynamics	Y	Y	Y	9.8
16	<a href="#">114106035</a>	38	Ocean Structures and Materials	Y	Y	Y	12
17	<a href="#">114106036</a>	49	Dynamics of Ocean Structures	Y	Y	Y	20
18	<a href="#">114106037</a>	53	Advanced Marine Structures	Y	Y	Y	21

19	<a href="#">114106038</a>	47	NOC:Dynamics of Ocean Structures	Y	Y	Y	23
20	<a href="#">114106039</a>	37	NOC:Health, Safety and Environmental Management in Offshore and Petroleum Engineering	Y	Y	Y	8.1
21	<a href="#">114106042</a>	55	NOC:HSE for offshore and petroleum engineers	Y	Y	Y	24
22	<a href="#">114106041</a>	58	NOC:Risk and Reliability of offshore structures	Y	Y	Y	25
23	<a href="#">114106043</a>	53	NOC:Offshore Structures Under Special Loads Including Fire Resistance	Y	Y	Y	33
24	<a href="#">114106045</a>	118	NOC:Computer Methods Of Structural Analysis of Offshore Structures	Y	Y	Y	103
25	<a href="#">114105044</a>	65	NOC:Water Economics and Governance	Y	Y	Y	16
26	<a href="#">114106046</a>	84	NOC:Structural Health Monitoring	Y	Y	Y	67
27	<a href="#">114105047</a>	40	NOC:Marine Propulsion	Y	Y	Y	3.2
28	<a href="#">114105048</a>	60	NOC:Numerical Ship and Offshore Hydrodynamics	Y	Y	Y	4.7
29	<a href="#">114106047</a>	64	NOC:Advanced Design of Steel Structures	Y	Y	Y	7.3
30	<a href="#">114106443</a>	73	NOC:Surface Facilities for Oil and Gas Handling	---	Y	---	6.9
31	<a href="#">114106049</a>	7	Marine Instrumentation - Laboratory	---	Y	---	1.3
<b>Discipline : Physics</b> <a href="#">Go to Top</a>							
<b>Video Lecture Topics @ <a href="http://www.digimat.in/downloads/topics/physics.pdf">http://www.digimat.in/downloads/topics/physics.pdf</a></b>							
1	<a href="#">115101005</a>	40	Electromagnetic Theory (Prof. D.K. Ghosh)	Y	Y	Y	29
2	<a href="#">115101011</a>	24	Special Theory of Relativity	Y	Y	Y	22
3	<a href="#">115102014</a>	42	Electronics	Y	Y	Y	19
4	<a href="#">115102020</a>	42	Fundamentals and Applications	Y	Y	Y	19
5	<a href="#">115102022</a>	42	Quantum Electronics	Y	Y	Y	17
6	<a href="#">115102023</a>	42	Quantum Mechanics and Applications	Y	Y	Y	19
7	<a href="#">115102026</a>	46	Semiconductor Optoelectronics	Y	Y	Y	32
8	<a href="#">115104043</a>	43	Nuclear Physics: Fundamentals and Applications	Y	Y	Y	12
9	<a href="#">115104088</a>	78	NOC:Introduction to Electromagnetism	Y	Y	Y	2.1
10	<a href="#">115105046</a>	40	Astrophysics and Cosmology	Y	Y	Y	9.7
11	<a href="#">115106057</a>	40	Special / Select Topics in Atomic Physics	Y	Y	Y	16
12	<a href="#">115106058</a>	39	Classical Field Theory	Y	Y	Y	17
13	<a href="#">115106059</a>	29	Topics in Nonlinear Dynamics	Y	Y	Y	15
14	<a href="#">115106061</a>	58	Condensed Matter Physics	Y	Y	Y	18
15	<a href="#">115106065</a>	38	Quantum Field Theory	Y	Y	Y	27
16	<a href="#">115106066</a>	41	Quantum Mechanics I	Y	Y	Y	20
17	<a href="#">115106068</a>	40	Special / Select Topics in Classical Mechanics	Y	Y	Y	13
18	<a href="#">115106085</a>	46	Special / Select Topics in the Theory of Atomic Collisions and Spectroscopy	Y	Y	Y	14
19	<a href="#">115106086</a>	36	Selected Topics in Mathematical Physics	Y	Y	Y	24
20	<a href="#">115106090</a>	43	NOC: Mechanics, heat oscillations and waves	Y	Y	Y	12
21	<a href="#">115108074</a>	45	Relativistic Quantum Mechanics	Y	Y	Y	26

22	<a href="#">115106087</a>	30	Nuclear Reactors and Safety- An Introduction	Y	Y	Y	16
23	<a href="#">115106089</a>	29	Physical Applications of Stochastic Processes	Y	Y	Y	27
24	<a href="#">115106091</a>	36	Nonequilibrium Statistical Mechanics	Y	Y	Y	32
25	<a href="#">115104094</a>	100	NOC:Engineering Mechanics	Y	Y	Y	3.8
26	<a href="#">115101092</a>	46	NOC:Quantum Information and Computing	Y	Y	Y	19
27	<a href="#">115107095</a>	40	NOC:Fiber Optics	Y	Y	Y	11
28	<a href="#">115104095</a>	23	NOC:Computational Science and Engineering Using Python	Y	Y	Y	2.2
29	<a href="#">115104096</a>	55	NOC:Introductory Quantum Mechanics	Y	Y	Y	2.3
30	<a href="#">115105097</a>	60	NOC:Mathematical Methods in Physics - I	Y	Y	Y	17
31	<a href="#">115105098</a>	60	NOC:Classical Mechanics: from Newtonian to Lagrangian Formulation	Y	Y	Y	16
32	<a href="#">115105099</a>	75	NOC:Solid State Physics	Y	Y	Y	25
33	<a href="#">115103102</a>	25	NOC:Advanced Condensed Matter Physics	Y	Y	Y	2.6
34	<a href="#">115105100</a>	60	NOC:Atomic and Molecular Physics	Y	Y	Y	18
35	<a href="#">115103101</a>	44	NOC:Nuclear and Particle Physics	Y	Y	Y	8.7
36	<a href="#">115102103</a>	45	Semiconductor Optoelectronics (Repurposed)	Y	Y	Y	36
37	<a href="#">115101104</a>	48	NOC:Theory of Groups for Physics Applications	Y	Y	Y	39
38	<a href="#">115103104</a>	33	NOC:Advanced Quantum Mechanics with Applications	Y	Y	Y	7.1
39	<a href="#">115105104</a>	59	NOC:Modern Optics	Y	Y	Y	15
40	<a href="#">115105105</a>	60	NOC:Introduction to Non-linear Optics and its Applications	Y	Y	Y	16
41	<a href="#">115105106</a>	86	NOC:Upstream LNG Technology	Y	Y	Y	16
42	<a href="#">115108104</a>	50	NOC:Control System Design	Y	Y	Y	14
43	<a href="#">115101107</a>	71	NOC:Quantum Mechanics-I	Y	Y	Y	41
44	<a href="#">115103108</a>	17	NOC:A Brief Course on Superconductivity	Y	Y	Y	5.9
45	<a href="#">115104109</a>	87	NOC:Introduction to Solid State Physics	Y	Y	Y*	17
46	<a href="#">115105110</a>	60	NOC:Experimental Physics-I	Y	Y	Y	31
47	<a href="#">115106111</a>	35	NOC:Statistical Mechanics	Y	Y	Y*	106
48	<a href="#">115101117</a>	32	NOC:Path Integral and Functional Methods in Quantum Field Theory	Y	Y	Y	37
49	<a href="#">115103113</a>	32	NOC:Introduction to Statistical Mechanics	Y	Y	Y	14
50	<a href="#">115103114</a>	24	NOC:Numerical Methods and Simulation Techniques for Scientists and Engineers	Y	Y	Y	19
51	<a href="#">115103115</a>	27	NOC:Theoretical Mechanics	Y	Y	Y	4.3
52	<a href="#">115104112</a>	44	NOC:Physics of Turbulence	Y	Y	Y	20
53	<a href="#">115105120</a>	61	NOC:Experimental Physics - II	Y	Y	Y	31
54	<a href="#">115106118</a>	58	NOC:Computational Physics	Y	Y	Y	42
55	<a href="#">115106119</a>	58	NOC:Waves and Oscillations	Y	Y	Y	33
56	<a href="#">115107116</a>	40	NOC:Solar Photovoltaics Fundamentals, Technology and Applications	Y	Y	Y	6.1
57	<a href="#">115106122</a>	83	NOC:Electromagnetism	Y	Y	Y	16
58	<a href="#">115105122</a>	60	NOC:Electronic Theory of Solids	Y	Y	Y	12
59	<a href="#">115105121</a>	62	NOC:Experimental Physics - III	Y	Y	Y	27

60	<a href="#">115101122</a>	59	NOC:Group Theory Methods in Physics	Y	Y	Y	50
61	<a href="#">115107121</a>	60	NOC:Introduction to Atmospheric and Space Sciences	Y	Y	Y	6.9
62	<a href="#">115107122</a>	20	NOC:Optical Sensors	Y	Y	Y	3.0
63	<a href="#">115101121</a>	62	NOC:Physics of Biological Systems	Y	Y	Y	40
64	<a href="#">115106121</a>	50	NOC:Physics through Computational Thinking	Y	Y	Y	26
65	<a href="#">115106123</a>	67	NOC:Introduction to Classical Mechanics	Y	Y	Y	20
66	<a href="#">115103123</a>	34	NOC:Solar Energy Engineering and Technology	Y	Y	Y	5.1
67	<a href="#">115102124</a>	38	NOC:Introduction to LASER	Y	Y	---	5.6
68	<a href="#">115104124</a>	57	NOC:Introduction to Astrophysical Fluids	Y	Y	Y	6.7
69	<a href="#">115105124</a>	60	NOC:Physics of Linear and Nonlinear Optical Waveguides	Y	Y	---	5.3
70	<a href="#">115106124</a>	64	NOC:Fluid Dynamics for Astrophysics	Y	Y	---	5.5
71	<a href="#">115106125</a>	33	NOC:Quantum Transport	---	Y	---	3.6
72	<a href="#">115106126</a>	65	NOC:Statistical Mechanics (2021)	Y	Y	---	4.5
73	<a href="#">115105127</a>	51	NOC:Physics of Renewable Energy Systems	Y	Y	Y	7.2
74	<a href="#">115106127</a>	70	NOC:Solid State Physics	Y	Y	Y*	3.2
75	<a href="#">115106128</a>	51	NOC:Introduction to Quantum Field Theory (Theory of Scalar Fields)	Y	Y	Y	3.1
76	<a href="#">115108127</a>	60	NOC:Bonds and Bands in Solids	---	Y	---	5.0
77	<a href="#">115103129</a>	44	NOC:Quantum Technology and Quantum Phenomena in Macroscopic Systems	Y	Y	Y	3.9
78	<a href="#">115105129</a>	60	NOC:Thermal Physics	---	Y	---	7.6
79	<a href="#">115107129</a>	60	NOC:Advanced Atmospheric Physics	---	Y	---	5.4
80	<a href="#">115107130</a>	40	NOC:Nuclear Astrophysics	Y	Y	Y	5.5
81	<a href="#">115108129</a>	60	NOC:Advanced NMR Techniques in Solution and Solid-State	Y	Y	Y	11
82	<a href="#">115101131</a>	69	NOC:Neutron Scattering for Condensed Matter Studies	---	Y	---	4.6
83	<a href="#">115101132</a>	72	NOC:Accelerator Physics	---	Y	---	5.7
84	<a href="#">115103131</a>	48	NOC:Dynamics of Classical and Quantum Fields	---	Y	---	5.1
85	<a href="#">115105131</a>	40	NOC:Concepts in Magnetism and Superconductivity	---	Y	---	3.4
86	<a href="#">115105132</a>	73	NOC:Foundations of Classical Electrodynamics	Y	Y	Y	5.4
87	<a href="#">115107131</a>	60	NOC:Applied Optics	Y	Y	Y	5.7
88	<a href="#">115106133</a>	39	NOC:Introduction to Quantum Field Theory (Theory of Scalar Fields) - Part 2	Y	Y	---	2.7
89	<a href="#">115103134</a>	22	NOC:Quantum Hall Effects	---	Y	---	3.0
90	<a href="#">115104134</a>	53	NOC:Introduction to Electromagnetic Theory (Hindi)	---	Y	---	3.8
91	<a href="#">115104135</a>	71	NOC:Scientific Computing Using Python	---	Y	Y	1.8
92	<a href="#">115105134</a>	50	NOC:Physics of Functional Materials and Devices	---	Y	---	5.9
93	<a href="#">115106134</a>	34	NOC:Radio Astronomy	---	Y	---	5.3
94	<a href="#">115107134</a>	44	NOC:Newtonian Mechanics With Examples	Y	Y	Y	4.9
95	<a href="#">115103444</a>	17	NOC:Quantum Entanglement: Fundamentals, Measures and Applications	---	Y	---	1.5

96	<a href="#">115103445</a>	28	NOC:Topology and Condensed Matter Physics	---	Y	---	3.6
97	<a href="#">115104446</a>	73	NOC:Tapestry of Field theory: Classical and Quantum, Equilibrium and Nonequilibrium Perspectives	---	Y	---	3.1
98	<a href="#">115104448</a>	27	NOC:Coherence and Quantum Entanglement	---	Y	---	1.6
99	<a href="#">115107447</a>	62	NOC:Plasma Physics and Applications	---	Y	---	4.7
100	<a href="#">115105451</a>	77	NOC:Fundamentals of Attosecond Science and Technology (FAST)	---	Y	---	7.6
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1	<a href="#">116102034</a>	20	Theory of Yarn Structures	Y	Y	Y	15
2	<a href="#">116104044</a>	40	Natural Dyes	Y	Y	Y	12
3	<a href="#">116102047</a>	40	NOC:Science of Clothing Comfort	Y	Y	Y	28
4	<a href="#">116102048</a>	35	NOC:Yarn Manufacture-I: Principle of Carding and Drawing	Y*	Y	Y*	8.2
5	<a href="#">116102049</a>	40	NOC:Evaluations of Textile Materials	Y	Y	Y	31
6	<a href="#">116102050</a>	24	NOC:Testing of Functional and Technical Textiles	Y	Y	Y	19
7	<a href="#">116102051</a>	24	NOC:Theory of Yarn Structure	Y	Y	Y	20
8	<a href="#">116102052</a>	21	NOC:Advanced Textile Printing Technology	Y	Y	Y	16
9	<a href="#">116102053</a>	34	NOC:Textured Yarn Technology	Y	Y	Y	24
10	<a href="#">116102054</a>	32	NOC:Textile Finishing	Y	Y	Y	27
11	<a href="#">116102055</a>	30	NOC:Principles of Combing, Roving preparation & Ring spinning	---	Y	Y	21
12	<a href="#">116102056</a>	50	NOC:Science and Technology of Weft and Warp Knitting	Y	Y	Y	26
13	<a href="#">116102057</a>	40	NOC:Technical Textiles	Y	Y	Y	37
14	<a href="#">116102058</a>	29	NOC:Textile Product Design and Development	---	Y	---	5.6
15	<a href="#">116102059</a>	29	NOC:New Spinning Technologies	Y	Y	Y	4.9
<b>Discipline : Electronics and Communication Engineering</b>							
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1	<a href="#">117101001</a>	50	Adv. Digital Signal Processing - Multirate and wavelets	Y	Y	Y	28
2	<a href="#">117101002</a>	41	Advanced Optical Communication	Y	Y	Y	24
3	<a href="#">117101050</a>	32	Broadband Networks: Concepts and Technology	Y	Y	Y	7.7
4	<a href="#">117101051</a>	32	Digital Communication	Y	Y	Y	8.4
5	<a href="#">117101053</a>	41	Information Theory and Coding	Y	Y	Y	19
6	<a href="#">117101056</a>	60	Transmission Lines and EM Waves	Y	Y	Y	14
7	<a href="#">117102012</a>	40	RF Integrated Circuits	Y	Y	Y	18
8	<a href="#">117102059</a>	41	Communication Engineering	Y	Y	Y	11
9	<a href="#">117102060</a>	43	Digital Signal Processing	Y	Y	Y	11
10	<a href="#">117102062</a>	38	Wireless Communication	Y	Y	Y	7.7
11	<a href="#">117103063</a>	40	Basic Electronics	Y	Y	Y	9.7
12	<a href="#">117104074</a>	45	Signals and Systems	Y	Y	Y	8.4
13	<a href="#">117104099</a>	40	Advanced 3G and 4G Wireless Mobile Communications	Y	Y	Y	17

14	<a href="#">117104104</a>	37	Digital Switching	Y	Y	Y	16
15	<a href="#">117105075</a>	41	Adaptive Signal Processing	Y	Y	Y	8.5
16	<a href="#">117105078</a>	28	Digital Computer Organization	Y	Y	Y	4.9
17	<a href="#">117105079</a>	40	Digital Image Processing	Y	Y	Y	8.5
18	<a href="#">117105080</a>	40	Digital Systems Design	Y	Y	Y	8.8
19	<a href="#">117105081</a>	40	Digital Voice and Picture Communication	Y	Y	Y	8.2
20	<a href="#">117105082</a>	32	MEMS and Microsystems	Y	Y	Y	9.2
21	<a href="#">117105084</a>	37	Neural Networks and Applications	Y	Y	Y	8.0
22	<a href="#">117105085</a>	40	Probability and Random Processes	Y	Y	Y	12
23	<a href="#">117105101</a>	40	Pattern Recognition and Application	Y	Y	Y	12
24	<a href="#">117106030</a>	60	Analog IC Design	Y	Y	Y	26
25	<a href="#">117106031</a>	38	Coding Theory	Y	Y	Y	19
26	<a href="#">117106033</a>	57	Semiconductor Device Modeling	Y	Y	Y	39
27	<a href="#">117106034</a>	60	VLSI Data Conversion Circuits	Y	Y	Y	27
28	<a href="#">117106086</a>	40	Digital Circuits and Systems	Y	Y	Y	9.3
29	<a href="#">117106087</a>	38	Electronics for Analog Signal Processing - I	Y	Y	Y	9.6
30	<a href="#">117106088</a>	39	Electronics for Analog Signal Processing - II	Y	Y	Y	9.2
31	<a href="#">117106089</a>	41	High Speed Devices and Circuits	Y	Y	Y	11
32	<a href="#">117106091</a>	42	Solid State Devices	Y	Y	Y	11
33	<a href="#">117106092</a>	55	VLSI Circuits	Y	Y	Y	14
34	<a href="#">117106093</a>	40	VLSI Technology	Y	Y	Y	7.1
35	<a href="#">117106101</a>	21	Basic Electrical Circuits	Y	Y	---	9.9
36	<a href="#">117106108</a>	150	NOC:Basic Electrical Circuits	Y	Y	Y	3.9
37	<a href="#">117106114</a>	53	NOC:Digital Circuits and Systems	Y	Y	Y	18
38	<a href="#">117108038</a>	40	Circuits for Analog System Design	Y	Y	Y	19
39	<a href="#">117108040</a>	44	Digital System design with PLDs and FPGAs	Y	Y	Y	20
40	<a href="#">117108044</a>	42	Error Correcting Codes	Y	Y	Y	20
41	<a href="#">117108048</a>	42	Pattern Recognition	Y	Y	Y	12
42	<a href="#">117106111</a>	37	ARM Based Development	---	Y	Y	0.5
43	<a href="#">117106112</a>	44	Embedded Software Testing	Y	Y	Y	0.6
44	<a href="#">117106109</a>	34	Advanced Logic Synthesis	---	Y	---	0.6
45	<a href="#">117106113</a>	43	Linux Programming and Scripting	Y	Y	Y	0.4
46	<a href="#">117104115</a>	50	NOC:Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	Y	Y	Y	8.0
47	<a href="#">117106116</a>	78	NOC:Networks and Systems	Y	Y	Y	4.5
48	<a href="#">117104117</a>	23	NOC:Probability and Random Variables, Processes for Wireless Communications	Y	Y	Y	4.1
49	<a href="#">117108107</a>	39	Analog Circuits and Systems 1	Y	Y	Y	18
50	<a href="#">117101106</a>	25	Analog Circuits	Y	Y	Y	25

51	<a href="#">117101004</a>	42	Advanced VLSI Design	Y	Y	Y	44
52	<a href="#">117101105</a>	29	CMOS Analog VLSI Design	Y	Y	Y	26
53	<a href="#">117101119</a>	34	NOC: Microwave Integrated Circuits	Y	Y	Y	15
54	<a href="#">117104118</a>	39	NOC: Estimation for Wireless Communications / MIMO / OFDM Cellular and Sensor Networks	Y	Y	Y	2.0
55	<a href="#">117105122</a>	20	NOC: Basic Tools of Microwave Engineering	Y	Y	Y	4.9
56	<a href="#">117108124</a>	24	NOC: Design and Simulation of DC-DC converters using Open Source Tools	Y	Y	Y	2.8
57	<a href="#">117101123</a>	31	NOC: Foundations of Wavelets and Multirate Digital Signal Processing	Y	Y	Y	8.1
58	<a href="#">117104121</a>	18	NOC: Error Control Coding: An Introduction to Linear Block code	Y	Y	Y	1.2
59	<a href="#">117104120</a>	17	NOC: Error Control Coding: An Introduction to Convolutional Codes	Y	Y	Y	1.3
60	<a href="#">117105135</a>	59	NOC: Digital Image Processing	Y	Y	Y	15
61	<a href="#">117105133</a>	24	NOC: Audio System Engineering	Y	Y	Y	7.4
62	<a href="#">117105132</a>	40	NOC: Fundamentals of MIMO Wireless Communication	Y	Y	Y	11
63	<a href="#">117105131</a>	40	NOC: Satellite Communication Systems	Y	Y	Y	8.9
64	<a href="#">117104128</a>	35	NOC: Digital Switching-I	Y	Y	Y	3.3
65	<a href="#">117104126</a>	35	NOC: Bayesian/MMSE Estimation for Wireless Communications MIMO / OFDM Cellular and Sensor Networks	Y	Y	Y	1.6
66	<a href="#">117105130</a>	20	NOC: Basic Building Blocks of Microwave Engineering	Y	Y	Y	5.2
67	<a href="#">117105134</a>	40	NOC: Discrete Time Signal Processing	Y	Y	Y	11
68	<a href="#">117104129</a>	24	NOC: An Introduction to Information Theory	Y	Y	Y	2.6
69	<a href="#">117104127</a>	54	NOC: Optical Communications	Y	Y	Y	2.9
70	<a href="#">117103125</a>	54	NOC: VLSI Design Verification and Test	Y	Y	Y	16
71	<a href="#">117108047</a>	41	Nanoelectronics: Devices and Materials	Y	Y	Y	14
72	<a href="#">117105139</a>	40	NOC: Millimeter Wave Technology	Y	Y	Y	11
73	<a href="#">117105138</a>	20	NOC: Design Principles of RF and Microwave Filters and Amplifiers	Y	Y	Y	5.5
74	<a href="#">117105137</a>	60	NOC: Digital VLSI Testing	Y	Y	Y	14
75	<a href="#">117105136</a>	69	NOC: Spread Spectrum Communications and Jamming	Y	Y	Y	16
76	<a href="#">117108140</a>	61	NOC: Enclosure Design of Electronics Equipment	Y	Y	Y	12
77	<a href="#">117108141</a>	118	NOC: Design of Photovoltaic Systems	Y	Y	Y	11
78	<a href="#">117108142</a>	14	NOC: Photonic Integrated Circuits	Y	Y	Y	4.7
79	<a href="#">117105140</a>	60	NOC: Power System Analysis	Y	Y	Y	16
80	<a href="#">117105143</a>	60	NOC: Analog Communication	Y	Y	Y	16
81	<a href="#">117105144</a>	60	NOC: Modern Digital Communication Techniques	Y	Y	Y	16
82	<a href="#">117105145</a>	44	NOC: Digital Speech Processing	Y	Y	Y	12
83	<a href="#">117105147</a>	58	NOC: Analog Circuits and Systems through SPICE Simulation	Y	Y	Y	21
84	<a href="#">108107107</a>	20	NOC: Basics of Software Defined Radios and Practical Applications	Y	Y	Y	4.3
85	<a href="#">108106105</a>	57	NOC: Analog IC Design	Y	Y	Y	42
86	<a href="#">117103148</a>	70	NOC: Design of Power Electronic Converters	Y	Y	Y	4.0

87	<a href="#">117103149</a>	35	NOC:Operation and Planning of Power Distribution Systems	Y	Y	Y	6.3
88	<a href="#">117105148</a>	58	NOC:Communication Networks	---	Y	---	5.1
89	<a href="#">117105149</a>	60	NOC:Signal Processing Techniques and its Applications	---	Y	---	6.0
90	<a href="#">117106148</a>	63	NOC:Circuit Analysis for Analog Designers	---	Y	---	5.3
91	<a href="#">117106149</a>	94	NOC:Design and Analysis of VLSI Subsystems	Y	Y	Y	5.8
92	<a href="#">117107148</a>	40	NOC:Digital Protection of Power System	Y	Y	Y	4.6
93	<a href="#">117107149</a>	60	NOC:Physics of Nanoscale Devices	---	Y	---	5.3
94	<a href="#">117108148</a>	53	NOC:Neural Science for Engineers	Y	Y	Y	7.7
95	<a href="#">117103150</a>	36	NOC:Nanophotonics, Plasmonics, and Metamaterials	---	Y	---	5.0
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1	<a href="#">118102003</a>	40	Nano structured materials-synthesis, properties, self assembly and applications	Y	Y	Y	34
2	<a href="#">118104008</a>	45	Nanostructures and Nanomaterials: Characterization and Properties	Y	Y	Y	20
<b>Discipline : Atmospheric Science</b> <a href="#">Go to Top</a>							
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1	<a href="#">119106008</a>	41	Introduction to Atmospheric Science	Y	Y	Y	29
2	<a href="#">119108004</a>	38	Radiation Heat Transfer	Y	Y	Y	11
3	<a href="#">119108006</a>	42	The monsoon and its variability	Y	Y	Y	11
<b>Discipline : General</b> <a href="#">Go to Top</a>							
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1	<a href="#">121104005</a>	40	Introduction to Japanese Language and Culture	Y	Y	Y	18
2	<a href="#">121106003</a>	20	Ayurvedic Inheritance of India	Y	Y	Y	9.3
3	<a href="#">121104006</a>	5	Astronomy in Ancient, Medieval and Early Telescopic Era of India	Y	Y	Y	3.6
4	<a href="#">121106007</a>	48	NOC:Introduction to Research	Y	Y	Y	13
5	<a href="#">121106008</a>	22	NOC:Biology for engineers and other non-biologists	Y	Y	Y	11
6	<a href="#">121105009</a>	20	NOC:Stress Management	Y	Y	Y	5.5
7	<a href="#">121105010</a>	20	NOC:Outcome Based Pedagogic Principles for Effective Teaching	Y	Y	Y	5.2
8	<a href="#">121107009</a>	20	NOC:Introduction to Remote Sensing	Y	Y	Y	5.5
9	<a href="#">121106011</a>	22	NOC:Digital and the Everyday: from Codes to Cloud	Y	Y	Y	26
10	<a href="#">121106012</a>	25	NOC:Effective Engineering Teaching in Practice	Y	Y	Y	32
11	<a href="#">121106013</a>	90	NOC:Virtual Reality Engineering	Y	Y	Y	35
12	<a href="#">121106014</a>	40	NOC:Non-Conventional Energy Resources	Y	Y	Y	77
<b>Discipline : Basic Courses (Semester 1 and 2)</b> <a href="#">Go to Top</a>							
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1	<a href="#">122102004</a>	16	Applied mechanics	Y	Y	Y	4.4
2	<a href="#">122102007</a>	39	Management Science I	Y	Y	Y	11



3	<a href="#">122102008</a>	36	Materials Science	Y	Y	Y	15
4	<a href="#">122102009</a>	41	Numerical Methods and Computation	Y	Y	Y	9.1
5	<a href="#">122104015</a>	31	Engineering Mechanics	Y	Y	Y	6.8
6	<a href="#">122104016</a>	29	Engineering Physics II	Y	Y	Y	6.2
7	<a href="#">122104017</a>	32	Mathematics I	Y	Y	Y	3.4
8	<a href="#">122105020</a>	22	Human Resource Management-I	Y	Y	Y	4.6
9	<a href="#">122105021</a>	13	Leadership	Y	Y	Y	2.7
10	<a href="#">122105022</a>	29	Management Information System	Y	Y	Y	5.8
11	<a href="#">122105023</a>	44	Physics I - Oscillations and Waves	Y	Y	Y	9.2
12	<a href="#">122105024</a>	11	Strategic Management	Y	Y	Y	2.3
13	<a href="#">122106025</a>	40	Basic Electronics and Lab	Y	Y	Y	11
14	<a href="#">122106027</a>	38	Classical Physics	Y	Y	Y	8.6
15	<a href="#">122106028</a>	10	Engineering Chemistry - I	Y	Y	Y	2.7
16	<a href="#">122106033</a>	38	Numerical Methods and Programming	Y	Y	Y	9.8
17	<a href="#">122106034</a>	31	Quantum Physics	Y	Y	Y	7.2
18	<a href="#">122107035</a>	40	Engineering Physics - I	Y	Y	Y	24
19	<a href="#">122107036</a>	38	Mathematics - II	Y	Y	Y	7.5
20	<a href="#">122107037</a>	39	Mathematics - III	Y	Y	Y	7.7
21	<a href="#">122108038</a>	40	Concept of Management and Evolution of Management thought	Y	Y	Y	11

**Discipline : Mining Engineering**

[Go to Top](#)

**Video Lecture Topics @ <http://www.digmat.in/downloads/topics/mining-engineering.pdf>**

1	<a href="#">123105001</a>	36	Fundamentals of Environmental Pollution and Control	Y	Y	Y	11
2	<a href="#">123105003</a>	40	NOC:Drilling and Blasting Technology	Y	Y	Y	11
3	<a href="#">123105004</a>	20	NOC:Network Analysis for Mines and Mineral Engineering	Y	Y	Y	5.3
4	<a href="#">123105005</a>	60	NOC:Mining Machinery	Y	Y	---	8.3
5	<a href="#">123105006</a>	60	NOC:Underground Mining of Metalliferous Deposits	Y	Y	Y	8.1
6	<a href="#">123105007</a>	60	NOC:Surface Mining Technology	Y	Y	Y	7.4
7	<a href="#">123105442</a>	60	NOC:Mine Automation and Data Analytics	---	Y	---	5.4

**Discipline : Architecture**

[Go to Top](#)

**Video Lecture Topics @ <http://www.digmat.in/downloads/topics/architecture.pdf>**

1	<a href="#">124107001</a>	40	NOC:Housing Policy and Planning	Y	Y	Y	11
2	<a href="#">124105001</a>	40	NOC:Landscape Architecture and Site Planning - Basic Fundamentals	Y	Y	Y	12
3	<a href="#">124107002</a>	20	NOC:Visual Communication Design for Digital Media	Y	Y	Y	4.6
4	<a href="#">124105003</a>	43	NOC:Architectural Conservation and Historic Preservation	Y	Y	Y	11
5	<a href="#">124105004</a>	40	NOC:Architectural Acoustics	Y	Y	Y	11
6	<a href="#">124107004</a>	40	NOC:Culturally Responsive Built Environments	Y	Y	Y	12
7	<a href="#">124107005</a>	40	NOC:Contemporary Architecture and Design	Y	Y	Y	10
8	<a href="#">124107006</a>	40	NOC:Role of Craft and Technology in Interior-Architecture	Y	Y	Y	11

9	<a href="#">124106009</a>	20	NOC:Introduction to History of Architecture in India	Y	Y	Y	17
10	<a href="#">124107007</a>	60	NOC:Urban Governance and Development Management	Y	Y	Y	12
11	<a href="#">124107008</a>	20	NOC:User Interface Design	Y	Y	Y	5.8
12	<a href="#">124107010</a>	40	NOC:Disaster Recovery and Build Back Better	Y	Y	Y	8.1
13	<a href="#">124107012</a>	40	NOC:Structure, Form and Architecture: The Synergy	Y	Y	Y	9.9
14	<a href="#">124107011</a>	60	NOC:Sustainable Architecture	Y	Y	Y	14
15	<a href="#">124105013</a>	40	NOC:Building Materials and Composites	Y	Y	Y	19
16	<a href="#">124105014</a>	60	NOC:Environmental Soil Chemistry	Y	Y	Y	31
17	<a href="#">124105015</a>	40	NOC:Structural System in Architecture	Y	Y	Y	12
18	<a href="#">124105016</a>	60	NOC:Urban Landuse and Transportation Planning	Y	Y	Y	20
19	<a href="#">124106157</a>	43	NOC:Strategies for Sustainable Design	Y	Y	Y	4.6
20	<a href="#">124107157</a>	40	NOC:Engineering/Architectural Graphics - Part I: Orthographic projection	Y	Y	Y	11
21	<a href="#">124105158</a>	60	NOC:Urban utilities Planning : Water Supply, Sanitation and Drainage	Y	Y	Y	8.0
22	<a href="#">124107158</a>	40	NOC:Introduction to Urban Planning	Y	Y	---	5.6
23	<a href="#">124107159</a>	20	NOC:Engineering, Architectural Graphics - Part II (Isometric and Axonometric Drawings)	---	Y	---	2.6
24	<a href="#">124107160</a>	60	NOC:Environmental Impact Assessment	---	Y	---	12
25	<a href="#">124107161</a>	40	NOC:Modern Indian Architecture	Y	Y	Y	8.9
26	<a href="#">124107162</a>	20	NOC:International Studies in Vernacular Architecture	Y	Y	Y	3.2
27	<a href="#">124105163</a>	60	NOC:Urban Services Planning	Y	Y	---	13
28	<a href="#">124107164</a>	20	NOC:Introduction to Interaction Design	Y	Y	Y	2.1
29	<a href="#">124107165</a>	40	NOC:Understanding and Reducing Ghg Emissions - Focus on Scope 1 and 2 Emission Reduction through Building Design and Construction	---	Y	---	5.8
30	<a href="#">124107338</a>	60	NOC:Research Methodology for Planning and Architectural Studies	---	Y	---	7.8

**Discipline : Agriculture**

[Go to Top](#)

**Video Lecture Topics @ <http://www.digimat.in/downloads/topics/agriculture.pdf>**

1	<a href="#">126104001</a>	26	NOC:Basic Crop Production Practices (BCPP)	---	Y	---	1.9
2	<a href="#">126104002</a>	46	NOC:GIS in Ag-Essentials and Applications (GIS)	Y	Y	Y	3.9
3	<a href="#">126104003</a>	47	NOC:Integrated Pest Management (IPM)	---	Y	---	5.7
4	<a href="#">126104004</a>	49	NOC:Nutrition, Therapeutics and Health (NM)	Y	Y	---	4.7
5	<a href="#">126104005</a>	36	NOC:Weather Forecast in Agriculture and Agro-advisory (WF)	Y	Y	Y	3.2
6	<a href="#">126104006</a>	45	NOC:ICT Basics	Y	Y	Y	3.2
7	<a href="#">126105008</a>	60	NOC:Momentum Transfer in Process Engineering	Y	Y	Y	16
8	<a href="#">126105009</a>	60	NOC:Farm Machinery	Y	Y	Y	14
9	<a href="#">126105010</a>	60	NOC:Irrigation and Drainage	Y	Y	Y	17
10	<a href="#">126105011</a>	60	NOC:Fundamentals of Food Process Engineering	Y	Y	Y	17
11	<a href="#">126105012</a>	56	NOC:Soil and Water Conservation Engineering	Y	Y	Y	11
12	<a href="#">126105013</a>	60	NOC:Dairy and Food Process and Products Technology	Y	Y	Y	16
13	<a href="#">126105014</a>	40	NOC:Organic Farming for Sustainable Agricultural Production	Y	Y	Y	10

14	<a href="#">126105015</a>	60	NOC:Novel Technologies for Food Processing and Shelf Life Extension	Y	Y	Y	18
15	<a href="#">126105016</a>	60	NOC:Soil Science and Technology	Y	Y	Y	16
16	<a href="#">126103017</a>	31	NOC:Thermal Processing of Foods	Y	Y	Y	19
17	<a href="#">126105018</a>	60	NOC:Thermal Operations in Food Process Engineering: Theory and Applications	Y	Y	Y	16
18	<a href="#">126105019</a>	60	NOC:Micro Irrigation Engineering	Y	Y	---	11
19	<a href="#">126105020</a>	44	NOC:Instrumentation and Process Control in Food Industry	---	Y	---	3.4
20	<a href="#">126105021</a>	60	NOC:Machine Learning for Soil and Crop Management	Y	Y	Y	6.8
21	<a href="#">126103022</a>	65	NOC:Natural Resources Management	---	Y	---	6.8
22	<a href="#">126105022</a>	61	NOC:Advanced Aquaculture Technology	Y	Y	Y	6.1
23	<a href="#">126105023</a>	60	NOC:Post Harvest Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop Products	Y	Y	Y	7.9
24	<a href="#">126105024</a>	60	NOC:Soil Fertility and Fertilizers	Y	Y	Y	6.0
25	<a href="#">126105025</a>	60	NOC:Cooling Technology: Why and How utilized in Food Processing and Allied Industries	Y	Y	Y	6.4
26	<a href="#">126105026</a>	40	NOC:Traction Engineering	Y	Y	Y	2.8
27	<a href="#">126105027</a>	60	NOC:Food Oils and Fats : Chemistry and Technology	Y	Y	Y	7.5
28	<a href="#">126105334</a>	60	NOC:Watershed Hydrology	---	Y	---	6.2
29	<a href="#">126105335</a>	60	NOC:Water Quality Management Practices	---	Y	---	6.7
30	<a href="#">126105336</a>	60	NOC:Modern Food Packaging Technologies: Regulatory Aspects and Global Trends	---	Y	---	4.6
31	<a href="#">126105337</a>	58	NOC:Basics of Crop Breeding and Plant Biotechnology	---	Y	---	4.9
<b>Discipline : Multi-Disciplinary</b> <a href="#">Go to Top</a>							
<b>Video Lecture Topics @ <a href="http://www.digimat.in/downloads/topics/multi-disciplinary.pdf">http://www.digimat.in/downloads/topics/multi-disciplinary.pdf</a></b>							
1	<a href="#">127106001</a>	83	NOC:Neuroscience of Human Movement	Y	Y	Y	71
2	<a href="#">127106003</a>	76	NOC:Manage TB	Y	Y	Y	40
3	<a href="#">127106004</a>	45	NOC:Ecology and Environment	Y	Y	Y	38
4	<a href="#">127101010</a>	43	NOC:Designing Learner-Centric MOOCs	Y	Y	Y	6.3
5	<a href="#">127105006</a>	42	NOC:Fuzzy Logic and Neural Networks	Y	Y	Y	11
6	<a href="#">127105007</a>	60	NOC:Entrepreneurship Essentials	Y	Y	---	15
7	<a href="#">127105008</a>	39	NOC:Roadmap for Patent Creation	Y	Y	Y	20
8	<a href="#">127106009</a>	13	NOC:Current Regulatory Requirements for Conducting Clinical Trials in India	Y	Y	Y	4.6
9	<a href="#">127106010</a>	11	NOC:Regulatory Requirements for Medical Devices and IVD kits in India	Y	Y	Y	5.8
10	<a href="#">127108005</a>	20	NOC:Teaching and Learning in Engineering (TALE)	Y	Y	Y	3.4
11	<a href="#">127101012</a>	18	NOC:Introduction to Learning Analytics	Y	Y	Y	3.5
12	<a href="#">127101013</a>	33	NOC:Designing Learner-Centric e-Learning in STEM Disciplines	Y	Y	Y	9.3
13	<a href="#">127101014</a>	25	NOC:Sustainable and Affordable Sanitation Solutions for Small Towns: Policy, Planning and Practice	Y	Y	Y	17

14	<a href="#">127105017</a>	41	NOC:Accreditation and Outcome based Learning	---	Y	Y	15
15	<a href="#">127105018</a>	60	NOC:Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts	---	Y	Y	18
16	<a href="#">127106019</a>	113	NOC:Numerical Methods for Engineers	---	Y	---	44
17	<a href="#">127108015</a>	19	NOC:Teaching and Learning in General Programs: TALG	Y	Y	Y	4.7
18	<a href="#">127108016</a>	35	NOC:TALE 2: Course Design and Instruction of Engineering Courses	Y	Y	Y	9.0
19	<a href="#">127106134</a>	22	Basic Course in Biomedical Research	---	Y	Y	6.6
20	<a href="#">127106137</a>	28	NOC:Current Regulatory Requirements for Conducting Clinical Trials in India for Investigational New Drugs (Version 2.0)	Y	Y	Y	15
21	<a href="#">127108135</a>	62	NOC:NBA Accreditation and Teaching Learning in Engineering (NATE)	Y	Y	Y	14
22	<a href="#">127106136</a>	14	NOC:Regulatory Requirements for Medical Devices including in Vitro Diagnostics in India (Version 2.0)	Y	Y	Y	6.8
23	<a href="#">127106135</a>	89	NOC:Thermodynamics	Y	Y	Y	47
24	<a href="#">106101224</a>	61	NOC:Learning Analytics Tools	Y	Y	Y	10
25	<a href="#">127103225</a>	43	NOC:Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers	Y	Y	Y	5.8
26	<a href="#">127105225</a>	60	NOC:Biophotonics	---	Y	---	6.9
27	<a href="#">127106225</a>	78	NOC:Model Predictive Control: Theory and Applications	---	Y	---	5.6
28	<a href="#">127106227</a>	72	NOC:Research Methodology	Y	Y	Y	7.0
29	<a href="#">127106228</a>	24	NOC:Management of Medical Emergencies in Dental Practice	---	Y	---	1.7
30	<a href="#">127106229</a>	44	NOC:Basic Course in Ornithology	Y	Y	Y	4.6
31	<a href="#">127106230</a>	31	NOC:Oral Biology	Y	Y	Y	4.3
32	<a href="#">127105231</a>	60	NOC:Vacuum Technology and Process Application	---	Y	---	12
33	<a href="#">127105232</a>	40	NOC:Basics of Health Promotion and Education Intervention	Y	Y	Y	3.6
34	<a href="#">127106231</a>	40	NOC:Introduction to Biomimicry	Y	Y	Y	3.4
35	<a href="#">127106232</a>	20	NOC:Electrocardiogram - Interpretation and Application in Clinical Practice	---	Y	Y	1.9
36	<a href="#">127101233</a>	60	NOC:Engineering Statistics	Y	Y	Y	4.6
37	<a href="#">127104233</a>	110	NOC:Foundation Certificate in Palliative Care	---	Y	---	6.0
38	<a href="#">127105233</a>	40	NOC:Basics of Mental Health and Clinical Psychiatry	Y	Y	Y	3.6
39	<a href="#">127105234</a>	40	NOC:Introduction to Reliability Engineering	Y	Y	Y	4.2
40	<a href="#">127105235</a>	40	NOC:Nanobio Technology Enabled Point-of-Care Devices	Y	Y	---	5.0
41	<a href="#">127106233</a>	23	NOC:One Health	Y	Y	Y	2.2
42	<a href="#">127102236</a>	27	NOC:Similitude and Approximations in Engineering	---	Y	Y	2.1
43	<a href="#">127103236</a>	37	NOC:Sustainable Power Generation Systems	---	Y	---	4.3
44	<a href="#">127105236</a>	20	NOC:Adolescent Health and Well-Being : A Holistic Approach	Y	Y	Y	1.7
45	<a href="#">127105237</a>	60	NOC:Research Methods in Health Promotion	Y	Y	Y	5.9
46	<a href="#">127106236</a>	31	NOC:Canning Technology, Value Addition of Seafood (Fish Processing)	---	Y	---	2.1
47	<a href="#">127106237</a>	43	NOC:Food Packaging Technology	---	Y	---	3.3
48	<a href="#">127104381</a>	60	NOC:Multi-Criteria Decision Making and Applications	---	Y	---	6.2

49	<a href="#">127104385</a>	78	NOC:Basic Certificate in Palliative Care	---	Y	---	5.6
50	<a href="#">127105382</a>	19	NOC:Urban Ecological Heritagescapes through Interactive Governance: Theories and Applications	---	Y	---	2.9
51	<a href="#">127105386</a>	18	NOC:Experimental Robotics	---	Y	---	2.4
52	<a href="#">127105388</a>	40	NOC:Medical Law	---	Y	---	4.4
53	<a href="#">127105389</a>	68	NOC:An Overview on Maternal Health Antenatal, Intranatal and Postnatal Care	---	Y	---	9.0
54	<a href="#">127105390</a>	40	NOC:Recommender Systems	---	Y	---	3.4
55	<a href="#">127105391</a>	60	NOC:Comprehensive Molecular Diagnostics and Advanced Gene Expression Analysis	---	Y	---	6.2
56	<a href="#">127106383</a>	40	NOC:Vulnerability Studies: An Introduction	---	Y	---	5.8
57	<a href="#">127106384</a>	23	NOC:Pulmonary Function Tests - Interpretation and Application in Clinical Practice	---	Y	---	2.0
<b>Discipline : Special Lecture Series</b>							
<a href="#">Go to Top</a>							
<b>Video Lecture Topics @ <a href="http://www.digimat.in/downloads/topics/special.pdf">http://www.digimat.in/downloads/topics/special.pdf</a></b>							
1	<a href="#">128106001</a>	103	ACM Summer School on Graph Theory and Graph Algorithms	---	Y	---	105
2	<a href="#">128106002</a>	73	ACM Summer School in Data Science (Goa)	---	Y	---	47
3	<a href="#">128106003</a>	9	Topics in Theoretical Computer Science	---	Y	---	17
4	<a href="#">128106004</a>	20	Researching Anglo-Indians in India and the Diaspora	---	Y	---	13
5	<a href="#">128106005</a>	94	Dravidian Temple Architecture and Construction Techniques	---	Y	---	72
6	<a href="#">128106006</a>	20	ACM Summer School in Data Science (Bangalore)	---	Y	---	49
7	<a href="#">128106007</a>	36	ACM Summer School on Algorithmic Game Theory	---	Y	---	9.3
8	<a href="#">128106008</a>	33	ACM Summer School on Graph Theory and Graph Algorithms	---	Y	---	21
9	<a href="#">128106009</a>	34	ACM Summer School on Compiler Design and Construction	---	Y	---	9.8
10	<a href="#">128106010</a>	38	ACM Summer School on Geometric Algorithms and their Applications	---	Y	---	10
11	<a href="#">128106011</a>	47	ACM Summer School on Algorithmic and Theoretical Aspects of Machine Learning	---	Y	---	12
12	<a href="#">128106012</a>	20	ACM Winter School on Hybrid Cloud	---	Y	---	5.8
13	<a href="#">128106013</a>	29	ACM Indian Summer School on Programming Languages: Principles and Practice	---	Y	---	18
14	<a href="#">128106014</a>	18	ACM Winter School 2019 on High Performance Computing (HPC)	---	Y	---	4.4
15	<a href="#">128106015</a>	6	Thermodynamics of Materials	---	Y	---	0.5
16	<a href="#">128108016</a>	14	ACM India Summer School on IoT and Embedded Systems	---	Y	---	2.1
17	<a href="#">128106017</a>	31	ACM India Summer School on Program Execution	---	Y	---	3.7
18	<a href="#">128106018</a>	55	ACM India Summer School on Programming Language Analysis and Optimizations	---	Y	---	3.6
19	<a href="#">128106019</a>	50	ACM Summer School on Shape Modelling	---	Y	---	3.6
20	<a href="#">128106020</a>	62	ACM India Summer School on Shape Modelling	---	Y	---	7.6
21	<a href="#">128106021</a>	47	ACM India Winter School on Topics in Digital Trust	---	Y	---	9.0
22	<a href="#">128106032</a>	27	ACM Winter School on Design, Implementation and Verification of Computer Systems	---	Y	---	4.5

23	<a href="#">128106033</a>	6	Topics In Theoretical Computer Science (2023)	---	Y	---	1.0
24	<a href="#">128108017</a>	34	ACM India Summer School on Algorithms for Data Science (2023)	---	Y	---	7.2
25	<a href="#">128108018</a>	24	ACM India Summer School on Cybersecurity for Women	---	Y	---	12
<b>Discipline : Law</b> <a href="#">Go to Top</a>							
<b>Video Lecture Topics @ <a href="http://www.digimat.in/downloads/topics/law.pdf">http://www.digimat.in/downloads/topics/law.pdf</a></b>							
1	<a href="#">129106001</a>	75	NOC:Right to Information and Good Governance	Y	Y	Y	5.7
2	<a href="#">129106002</a>	59	NOC:Constitution of India and Environmental Governance: Administrative and Adjudicatory Process	Y	Y	Y	6.0
3	<a href="#">129106003</a>	18	NOC:Constitutional Studies	Y	Y	Y	3.8
4	<a href="#">129105004</a>	40	NOC:Introduction to Law on Electricity	Y	Y	Y	4.9
5	<a href="#">129105005</a>	17	NOC:Legal and Regulatory Issues in Biotechnology	Y	Y	Y	2.4
6	<a href="#">129105006</a>	60	NOC:New Labour Codes of India	Y	Y	Y	6.8
7	<a href="#">129106006</a>	56	NOC:Advanced Contracts, Tendering and Public Procurement	Y	Y	---	4.6
8	<a href="#">129105007</a>	40	NOC:IP Management and Technology Transfer	Y	Y	---	9.3
9	<a href="#">129105008</a>	40	NOC:Biodiversity Protection, Farmers and Breeders Rights	---	Y	Y	3.8
10	<a href="#">129106008</a>	48	NOC:Conflict Management through Mediation	---	Y	---	3.1
11	<a href="#">129106411</a>	64	NOC:Constitution Law and Public Administration in India	---	Y	---	6.5
12	<a href="#">129105409</a>	34	NOC:International Trade Law	---	Y	---	3.7
13	<a href="#">129105410</a>	40	NOC:Centre-State Relations in India	---	Y	---	4.0
<b>Discipline : Economics</b> <a href="#">Go to Top</a>							
<b>Video Lecture Topics @ <a href="http://www.digimat.in/downloads/topics/economics.pdf">http://www.digimat.in/downloads/topics/economics.pdf</a></b>							
1	<a href="#">130106001</a>	65	NOC:Introduction to Econometrics	Y	Y	Y	5.5
2	<a href="#">130106113</a>	72	NOC:Environmental and Resource Economics	Y	Y	Y	5.9
3	<a href="#">130104114</a>	41	NOC:Microfoundations of Macroeconomics	Y	Y	Y	4.3
4	<a href="#">130104115</a>	118	NOC:Introduction to Microeconomics in Hindi and without Calculus	---	Y	---	4.2
5	<a href="#">130104116</a>	60	NOC:Economics of Banking and Finance Markets	Y	Y	Y	4.5
6	<a href="#">130106115</a>	49	NOC:Spatial Statistics and Spatial Econometrics	Y	Y	Y	4.8
7	<a href="#">130106117</a>	36	NOC:Economics of Innovation	---	Y	---	2.7
8	<a href="#">130106118</a>	47	NOC:Principles of Economics	---	Y	---	5.4
9	<a href="#">130107369</a>	60	NOC:Health Economics	---	Y	---	7.2