

PHASE - I - Video Course

S.No	Course_ID	Course_Name
1	122106028	Engineering Chemistry I
2	122105023	Physics I - Oscillations & Waves
3	122104017	Mathematics I
4	122104015	Engineering Mechanics
5	122104016	Engineering Physics II
6	122107036	Mathematics II
7	122106025	Basic Electronics and Lab
8	122106033	Numerical Analysis and Computer Programming
9	122102008	Materials Science
10	122107037	Mathematics III
11	122108038	Concept of Management and Evolution of Management thought
12	105105108	Strength of Materials
13	105101082	Fluid Mechanics
14	105104101	Surveying
15	105105106	Engineering Geology
16	105102088	Civil Engineering - Building materials and Construction
17	105107121	Modern Surveying Techniques
18	105105107	Introduction to Transportation Engineering
19	105101086	Structural Analysis II
20	105106118	Pre-stressed Concrete Structures
21	105104099	Environmental Air Pollution
22	105107123	Transportation Engineering II
23	105103094	Design of Steel Structures

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24	105104103	Water Resources Engineering
25	105106119	Water and Waste Water Engineering
26	105107120	Foundation Engineering
27	105101084	Soil Mechanics
28	105103096	Hydraulics
29	105106116	Mechanics of solids
30	106101060	Design and Analysis of Algorithms
31	106101061	Software Engineering
32	106102064	Data Structures And Algorithms
33	106102067	Principles of Programming Languages
34	106102062	Computer Architecture
35	106104074	Introduction to Problem Solving and Programming
36	106105077	Artificial Intelligence
37	106105081	Computer Networks
38	106105082	Data Communication
39	106105084	Internet Technology
40	106106090	Computer Graphics
41	106106093	Database Design
42	106106094	Discrete Mathematical Structures
43	106108102	System Analysis and Design
44	106102065	Introduction to Computer Graphics
45	106105079	Artificial Intelligence(Prof.P.Dasgupta)
46	106106092	Computer Organization
47	108101037	Control Engineering
48	108101038	Power Electronics

49	108102042	Circuit Theory
50	108102045	Embedded Systems
51	108104049	Intelligent Systems and Control
52	108104052	Power Systems Operation and Control
53	108108076	Basic Electrical Technology
54	108105054	Chaos, Fractals & Dynamic Systems
55	108105058	Energy Resources & Technology
56	108105060	Illumination Engineering
57	108105062	Industrial Automation and Control
58	108105064	Industrial Instrumentation
59	108105067	Power System Analysis
60	108106073	Electromagnetic Fields
61	108108077	Industrial Drives - Power Electronics
62	108106075	Networks and Systems
63	108105065	Networks Signals and Systems
64	108102047	Power System Generation, Transmission and Distribution (Encapsulated from earlier Video)
65	108106068	Analog ICs
66	108106069	Digital Integrated Circuits
67	117104074	Signals and Systems
68	117101056	Transmission Lines and EM Waves
69	117101050	Broadband Networks: Concepts and Technology
70	117102060	Digital Signal Processing
71	117101053	Information Theory and Coding
72	117102059	Communication Engineering
73	117102062	Wireless Communication

74	117103063	Basic Electronics
75	117105085	Probability and Random Processes
76	117105075	Adaptive Signal Processing
77	117106086	Digital Circuits and Systems
78	117105079	Digital Image Processing
79	117105081	Digital Voice & Picture Communication
80	117106089	High Speed Devices and Circuits
81	117106091	Solid State Devices
82	117106092	VLSI Circuits
83	117105080	Digital Systems Design
84	117106087	Electronics for Analog Signal Processing - I
85	117106088	Electronics for Analog Signal Processing - II
86	117101051	Digital Communication
87	117105082	MEMS and Microsystems
88	112101095	Advanced Strength of Materials
89	112101097	Heat and Mass Transfer
90	112101099	Robotics
91	112102106	Project and Production Management
92	112102101	Computer Aided Design and Manufacturing
93	112103108	Engineering Mechanics
94	112103112	Mechanical Vibrations
95	112104121	Kinematics of Machines
96	112104114	Dynamics of Machines
97	112104115	Finite Element Method
98	112105124	Design of Machine Elements I

99	112105126	Manufacturing Processes II
100	112105128	Refrigeration and Air Conditioning
101	112106138	Mechanical Measurements and Metrology
102	112106131	Advanced Operations Research
103	112107147	Strength of Materials
104	112107143	Industrial Engineering
105	112107145	Manufacturing Processes I
106	112106140	Principles of Mechanical Measurements
107	112106135	Introduction to Finite Element Method
108	102105034	BioChemistry I
109	114105030	Performance of Marine Vehicles at Sea
110	122102004	Applied mechanics
111	122102007	Management Science I
112	102102033	Enzyme Science and Engineering
113	122106034	Quantum Physics
114	122106027	Classical Physics
115	117106093	VLSI Technology
116	112106130	Advanced Finite Elements Analysis
117	112106134	Fundamentals of Operations Research
118	114105031	Strength and Vibration of Marine Structures
119	123105001	Fundamentals of Environmental Pollution and Control
120	108105056	Dynamics of Physical Systems
121	117105084	Neural Networks and Applications
122	117105078	Digital Computer Organization
123	108105059	Estimation of Signals and Systems

124	108105055	Digital Signal Processing
125	112105123	Basic Thermodynamics
126	114105029	Applied Thermodynamics for Marine Systems
127	106105083	Electronic Design Automation
128	106105085	Programming and Data Structure
129	105105105	Design of Reinforced Concrete Structures
130	122105021	Leadership
131	122105022	Management Information System
132	122105024	Strategic Management
133	122105020	Human Resource Management-I
134	113105057	Advanced Materials and Processes
135	122102009	Numerical Methods and Computation
136	108102043	Control Engineering
137	108102080	Power System Dynamics
138	122107035	Engineering Physics I IIT Roorkee

Phase - II - Video Course

S.No	Course_ID	Course_Name
1	101101001	Introduction to Aerospace Propulsion
2	101101002	Jet Aircraft Propulsion
3	101101058	Turbomachinery Aerodynamics
4	101104013	Foundation of Scientific Computing
5	101104015	Instability and Transition of Fluid Flows
6	101104017	Introduction to Helicopter Aerodynamics and Dynamics
7	101106042	Flight Dynamics II (Stability)
8	101108047	Advanced Control System Design for Aerospace Vehicles
9	101108057	Optimal Control, Guidance and Estimation.
10	102101003	Biomathematics
11	102106026	Thermodynamics
12	103104044	Fluid Mechanics
13	103104046	Mass Transfer II
14	103105054	Biochemical Engineering
15	103105059	Multiphase Flow
16	103105061	Novel Separation Processes
17	103105066	Instability and Patterning of Thin Polymer Films
18	103105106	Advanced Mathematical Techniques in Chemical Engineering
19	103106073	Computational Fluid Dynamics
20	103106074	Computational Techniques
21	103106103	Particle Characterization (PG)
22	103108097	Chemical Reaction Engineering
23	103108098	Fundamentals of Transport Processes

24	103108100	Modern Instrumental Methods of Analysis
25	104104066	Advance Analytical Course
26	104105038	Organic photochemistry and pericyclic reactions
27	104105041	Rate processes
28	104108056	Eukaryotic Gene Expression - basics and benefits
29	105101010	Watershed Management
30	105105045	Probability Methods in Civil Engineering
31	105106050	Advanced Structural Analysis
32	105106051	Finite Element Analysis
33	105106058	Urban transportation planning
34	105108075	Ground Improvement Techniques
35	105108079	Stochastic Hydrology
36	105108080	Stochastic Structural Dynamics
37	105108130	Water Resources Systems : Modeling Techniques and Analysis
38	106102011	Computational Geometry
39	106105031	Cryptography and Network Security
40	106105034	Low Power VLSI Circuits & Systems
41	106105036	Real Time Systems
42	106106048	Performance Evaluation of Computer Systems
43	106106049	Theory of Automata, Formal Languages and Computation
44	106108052	Compiler Design
45	106108054	Graph Theory
46	106108055	High Performance Computing
47	107103004	Ergonomics for beginners: Industrial design perspective
48	108101004	Power System Dynamics and Control

49	108103007	Advanced Control Systems
50	108104013	High Voltage DC Transmission
51	108108031	An Introduction to Electronics Systems Packaging
52	109101004	Contemporary Issues in Philosophy of Mind & Cognition
53	109103019	Cultural Studies
54	109103021	Game Theory and Economics
55	109104045	Population and Society
56	109106053	Contemporary Literature
57	109106058	History of Economic Theory
58	109106059	Indian Philosophy
59	109106079	Introduction to Film Studies
60	110102016	Organisation Management
61	110105030	Econometric Modelling
62	110105035	Security Analysis and Portfolio Management
63	110105039	Six Sigma
64	110108047	Strategic Management
65	111101003	Elementary Numerical Analysis
66	111101005	Measure and Integration
67	111104024	Applied Multivariate Analysis
68	111104025	Calculus of Variations and Integral Equations
69	111104027	Linear programming and Extensions
70	111104068	Convex Optimization
71	111105035	Advanced Engineering Mathematics
72	111105037	Functional Analysis
73	111105041	Probability and Statistics

74	111108066	Advanced Matrix Theory and Linear Algebra for Engineers
75	112101002	Convective Heat and Mass Transfer
76	112101004	Cryogenic Engineering
77	112102014	Tribology
78	112104029	Biomechanical systems
79	112105045	Computational Fluid Dynamics
80	112105055	Vibration of Structures
81	112106064	Design and Optimization of Energy systems
82	112106065	Engineering Fracture Mechanics
83	112106068	Experimental Stress Analysis
84	112106073	Rocket Propulsion
85	112106155	Conduction And Radiation
86	113104008	Fuels Refractory and Furnaces
87	113104009	Introduction to Biomaterials
88	113104010	Materials and Energy balance in Metallurgical Processes
89	113104013	Steel Making
90	113105021	Non-ferrous Extractive Metallurgy
91	113105024	Principles of Physical Metallurgy
92	113106031	Advanced Metallurgical Thermodynamics
93	113106039	Physics of Materials
94	114105003	Hydrostatics and Stability
95	114105004	Marine Construction and Welding
96	114105006	Seakeeping & Manoeuvring
97	114106017	Health,Safety and Environmental Management in Petroleum and Offshore Engineering
98	114106033	Wave Hydrodynamics

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99	115102014	Electronics
100	115102020	Plasma Physics: Fundamentals and Applications
101	115102022	Quantum Electronics
102	115102023	Quantum Mechanics and Applications
103	115106068	Special Topics in Classical Mechanics
104	116102034	Theory of Yarn Structures
105	116104044	Natural Dyes
106	117101001	Adv. Digital Signal Processing - Multirate and wavelets
107	117101002	Advanced Optical Communication
108	117108038	Circuits for Analog System Design
109	117108044	Error Correcting Codes
110	101105024	High Speed Aero Dynamics
111	101105030	Space Flight Mechanics
112	101105059	Introduction to Aerodynamics
113	102101007	Proteomics: Principles and Techniques
114	105101005	Soil Dynamics
115	105104131	Geotechnical Measurements & Explorations
116	106103116	Design Verification and Test of Digital VLSI Circuits
117	106104119	Biometrics
118	109104035	International Economics
119	110105054	Consumer Behaviour
120	111102014	Stochastic Processes
121	111105043	Statistical Inference
122	111105069	A Basic Course in Real Analysis
123	112105171	Fluid Mechanics

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124	114105005	Marine Hydrodynamics
125	114106035	Ocean Structures and Materials
126	114106036	Dynamics of Ocean Structures
127	117104099	Advanced 3G and 4G Wireless Mobile Communications
128	103105057	Microscale Transport Processes
129	105101134	Geotechnical Earthquake Engineering
130	105105039	Advanced Foundation Engineering
131	106108056	Numerical Optimization
132	109101017	Understanding Creativity and Creative Writing
133	110102058	Organisation of Engineering Systems and Human Resources Management
134	112107078	Advanced Manufacturing Processes
135	113104006	Electroceramics
136	113104061	Environmental Degradation of Materials
137	114106037	Advanced Marine Structures
138	115101005	Electromagnetic Theory
139	115101011	Special Theory of Relativity
140	103103034	Mass Transfer Operations I
141	110101005	Managerial Economics
142	110105033	Organizational Behaviour
143	110105057	International Finance
144	111103070	Complex Analysis
145	112107086	Processing of non metals
146	115102026	Semiconductor Optoelectronics
147	103104050	Plantwide Control of Chemical Processes
148	104108055	Essentials in Immunolgy

149	105103021	Advanced Hydraulics
150	109104074	Introduction to Sociology
151	110104055	Strategic Marketing - Contemporary Issues
152	114106032	Coastal Engineering
153	115106058	Classical Field Theory
154	117108048	Pattern Recognition
155	121106003	Ayurvedic Inheritance of India
156	104105031	Bio-inorganic chemistry
157	104105033	Co-ordination chemistry (chemistry of transition elements)
158	109104031	Communication Skills
159	109104073	Macro Economics
160	112104031	Computer Aided Engineering Design
161	113105015	Advanced ceramics for strategic applications
162	119108004	Radiation Heat Transfer
163	113105028	Science and Technology of Polymers
164	113105025	Processing of Semiconducting Materials
165	112107089	Welding Engineering
166	112105051	Solar Energy Technology
167	112103023	Nonlinear Vibration
168	111104071	Foundations of Optimization
169	109104076	Money & Banking
170	108108036	Switched Mode Power Conversion
171	106108051	Combinators
172	106104120	Parallel Algorithm
173	106104019	Computer Algorithms – 2

174	105104030	Concrete Engineering and Technology
175	105104029	Advanced Hydrology
176	105102012	Concrete Technology
177	104105039	Polymer Chemistry
178	103108099	Fundamentals of Transport Processes - I
179	103107081	Chemical Technology - I
180	104104026	Mathematics for Chemistry
181	113104014	Structure of Materials
182	103103039	Process Design Decisions and Project Economics
183	113104012	Optoelectronic Materials and Devices
184	115104043	Nuclear Physics: Fundamentals and Applications
185	105105043	Numerical Methods in Civil Engineering
186	112103025	Theory & Practice of Rotor Dynamics
187	105101143	Geosynthetics Engineering: In Theory and Practice
188	110105060	Applied Multivariate Statistical Modeling
189	111105039	Optimization
190	101104018	Introduction to Propulsion
191	117105101	Pattern Recognition and Application
192	115106086	Selected Topics in Mathematical Physics
193	103101008	Chemical Reaction Engineering II
194	103107093	Process Integration
195	115108074	Relativistic Quantum Mechanics
196	117106031	Coding Theory
197	112104035	Mathematical Methods in Engineering and Science
198	109106067	Better Spoken English

199	110105052	International Business Communication
200	111108081	Ordinary Differential Equations and Applications
201	117106101	Basic Electrical Circuits
202	117108040	Digital System design with PLDs and FPGAs
203	118104008	Nanostructures and Nanomaterials: Characterization and Properties
204	118102003	Nano structured materials-synthesis, properties, self assembly and applications
205	106104128	NOC:Introduction to programming in C
206	106104118	Riemann Hypothesis and its Applications
207	109104081	Human Adjustment Processes
208	109104082	Selected Topics in Psychology
209	112104172	Engineering Drawing
210	106106127	NOC:Programming, Data Structures and Algorithms
211	104104011	Chemistry of Material
212	117106108	NOC:Basic Electrical Circuits
213	106108113	Principles of Compiler Design
214	111103016	Formal Languages and Automata Theory
215	104108062	Introduction to Organometallic Chemistry
216	119108006	The monsoon and its variability
217	112104162	Advanced manufacturing process for micro sytem fabrication
218	105104135	Application of Soil Mechanics
219	111104079	Probability Theory and Applications
220	102104042	Animal Physiology
221	117104104	Digital Switching
222	101104019	Jet and Rocket Propulsion
223	102104043	Bio electricity

224	103101001	Advanced Chemical Reaction Engineerin
225	104105034	Heterocyclic Chemistry
226	108105019	Optimal Control
227	108101002	Nonlinear Dynamical Systems
228	106104122	Computer Architecture
229	121104005	Introduction to Japanese Language and Culture
230	101104005	Aero elasticity
231	102106022	Downstream Processing
232	102107028	Analytical Technologies in Biotechnology
233	103105064	Process Control and Instrumentation
234	103102012	Heterogeneous Catalysis and Catalytic Processes
235	105101006	Structural Dynamics
236	101106044	Gas Dynamics
237	110106045	Operations and Supply Chain Management
238	110106043	Infrastructure Finance
239	111106053	Real Analysis
240	111105042	Regression Analysis
241	111105038	Numerical methods of Ordinary and Partial Differential Equations
242	115106059	Topics in Nonlinear Dynamics
243	115105046	Astrophysics & Cosmology
244	105106053	Modern Construction Materials
245	105102016	Seismic Analysis of Structures
246	105106052	Geosynthetics and Reinforced Soil Structures
247	117106030	Analog IC Design
248	106108058	Storage Systems

249	108108035	Pulse width Modulation for Power Electronic Converters
250	112108092	Micro and Smart Systems
251	112106056	Advanced Gas Dynamics
252	112107079	Computational Fluid Dynamics
253	112105053	Technology of Surface Coating
254	114106015	Foundation for Offshore Structures
255	114106025	Port and Harbour Structures
256	106104028	Theory of Computation
257	112104028	Advanced Machining Processes
258	111106044	An Introduction to Riemann Surfaces and Algebraic Curves: Complex 1-Tori and Elliptic Curves
259	118105009	Economics / Management / Entrepreneurship
260	104108057	Introductory Quantum Chemistry
261	110106044	Manufacturing Systems Management
262	101106031	Acoustic Instabilities in Aerospace Propulsion
263	107106009	Principles of Engineering System Design
264	107106080	Vehicle Dynamics
265	106102114	Parallel Computing
266	111101080	Mathematics in India - From Vedic Period to Modern Times
267	112106169	Microfluidics
268	112106170	Convective Heat Transfer
269	110108056	Global Supply Chain Management
270	113106062	Electronic materials, devices, and fabrication
271	112106177	Introduction to Explosions and Explosion Safety
272	106106126	Artificial Intelligence
273	115106085	Special/Select Topics in the Theory of Atomic Collisions and Spectroscopy

274	106105033	High Performance Computer Architecture
275	106102013	Logic for CS
276	106101007	Natural Language Processing
277	106106046	Pattern Recognition
278	108105017	Electrical Machines -I
279	117106034	VLSI Data Conversion Circuits
280	111106052	Mathematical Logic
281	112107087	Vibration control
282	114105002	Elements of Ocean Engineering
283	114106026	Ship Resistance and Propulsion
284	114106011	Design of Offshore Structures
285	115106066	Quantum Mechanics I
286	115106061	Condensed Matter Physics
287	115106057	Special Topics in Atomic Physics
288	115106065	Quantum Field Theory
289	108104011	Advanced Electric Drives
290	117102012	RF Integrated Circuits
291	117106033	Semiconductor Device Modeling
292	112106166	Gas Dynamics and Propulsion
293	112106154	Spray Theory and Applications
294	108106023	Modelling and Analysis of Electric Machines
295	109106080	Introduction to Modern Linguistics
296	103101003	Advanced Process Control
297	109106083	Principles and Parameters in Natural Language
298	110106050	Business Analysis for Engineers

299	103101111	Advanced Numerical Analysis
300	103106113	Multiphase flows:Analytical solutions and Stability Analysis
301	101106033	Aerospace Propulsion
302	101106045	Introduction to CFD
303	103106070	Chemical Engineering Thermodynamics
304	103106114	NOC:Introduction to Time-Frequency Analysis and Wavelet Transforms
305	104106048	Principles and Applications of Electron Paramagnetic Resonance Spectroscopy
306	106104123	Compiler Design
307	106106129	NOC:Introduction to Information Security I
308	106106130	NOC:Programming and Data structures (PDS)
309	106106131	NOC:Design and Analysis of Algorithms
310	106106133	NOC:Programming, Data Structures and Algorithms(Aricent)
311	108106083	Probability Foundation for Electrical Engineers
312	108108034	Power Electronics and Distributed Generation
313	109103020	English Language and Literature
314	109104040	Introduction to Logic
315	109106084	NOC:Literary Criticism and Literary Theory
316	109106085	NOC:Language and Mind
317	110101003	Managerial Accounting
318	110104063	NOC:Strategy: An Introduction to game Theory
319	110106062	NOC:Introduction to Operations Research
320	111106051	Linear Algebra
321	112104026	Acoustics
322	112104181	NOC:BioMEMS and Microsystems
323	112105048	Machinery fault diagnosis and signal processing

324	112105182	Introduction to Fluid Machines and Compressible Flow
325	112105183	Introduction to Fluid Mechanics and Fluid Engineering
326	112106180	NOC:Engineering Mechanics Statics and Dynamics
327	114106038	NOC:Dynamics of Ocean Structures
328	114106039	NOC:Health, Safety and Environmental Management in Offshore and Petroleum Engineering
329	115104088	NOC:Introduction to Electromagnetism
330	117106114	NOC:Digital Circuits and Systems
331	119106008	Introduction to Atmospheric Science
332	109106052	Aspects of Western Philosophy
333	111107058	Discrete Mathematics
334	105105042	Ground Water Hydrology
335	117106112	Embedded Software Testing
336	117106111	ARM Based Development
337	115106087	NUCLEAR REACTORS AND SAFETY- AN INTRODUCTION
338	117106109	Advanced Logic Synthesis
339	103106112	Statistics for Experimentalists
340	117106113	Linux Programming & Scripting
341	115106090	NOC: Mechanics, heat oscillations and waves
342	111106083	NOC:An invitation to mathematics
343	109106086	NOC: Film Appreciation
344	109106087	NOC:Appreciating carnatic music
345	109104088	NOC:Elements of Visual Representation
346	104106072	NOC:Chemistry - I
347	117104115	NOC:Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications(Course sponsored by Aricent)

348	108106084	NOC:Analog Circuits
349	105106145	NOC:Sustainable River Basin Management
350	112106186	NOC:Foundation of Computational Fluid Dynamics
351	110106064	NOC:Introduction to Data Analytics(Course sponsored by Aricent)
352	106106134	NOC:Computer Architecture(Course sponsored by Aricent)
353	109106089	NOC:Infrastructure Economics
354	112105187	Micro fluidics
355	106104135	NOC:Fundamentals of Database Systems
356	101104061	NOC:Introduction to airplane performance
357	112104188	NOC:Manufacturing Systems Technology
358	110104065	NOC:Managing Services(Course sponsored by Aricent)
359	110104066	NOC:Quantitative Finance
360	109104090	NOC:Practical English: Learning and Teaching(Course sponsored by Aricent)
361	106106136	NOC:Model Checking
362	117106116	NOC:Networks and Systems(Course sponsored by Aricent)

PHASE - 1 - Web Course

S.No	Course_ID	Course_Name
1	105108125	Computational Hydraulics
2	105108127	Optimization Methods
3	106108098	Data Communications
4	106108099	Digital Systems
5	106108100	Microprocessors and Microcontrollers
6	106108101	Operating Systems
7	106108103	System Analysis and Design
8	108108078	Non-Conventional Energy Systems
9	108108079	Numerical Analysis
10	117108097	Information Theory and Coding
11	112108148	Basic Thermodynamics
12	112108149	Heat and Mass Transfer
13	112108150	Materials Science
14	122101001	Engineering Chemistry I
15	122101002	Engineering Physics II

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16	122101003	Mathematics I
17	105101083	Foundation Engineering
18	105101087	Transportation Engineering I
19	106101059	Design and Analysis of Algorithms
20	108101039	Power System Protection
21	117101055	Signals and Systems
22	117101058	VLSI Design
23	112101096	Dynamics of Machines
24	112101098	Robotics
25	122102006	Environment and Ecology
26	105102089	Environmental Air Pollution
27	105102090	Mechanics of Solids
28	106102063	Computer Graphics
29	106102066	Introduction to Problem Solving and Programming
30	108102044	Control Engineering
31	108102046	Industrial Drives
32	117102061	Semiconductor Devices

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33	112102102	Computer Aided Design and Manufacturing I
34	112102103	Computer Aided Design and Manufacturing II
35	112102105	Kinematics
36	112102107	Project and Production Management
37	122103010	Engineering Physics I (Experiment)
38	122103011	Engineering Physics I (Theory)
39	122103012	Mathematics III
40	105103093	Construction Planning and Management
41	105103095	Fluid Mechanics
42	106103068	Computer Organization and Architecture
43	106103069	Data Structures and Program Methodology
44	117103064	Digital Circuits
45	117103065	Electromagnetic Fields
46	117103066	IC Technology
47	117103067	Probability and Random Processes
48	112103109	Engineering Mechanics
49	112103111	Mechanical Vibrations
50	122104013	Basic Electronics

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51	122104014	Engineering Mechanics
52	122104018	Mathematics II
53	122104019	Numerical Analysis in Computer Programming
54	105104098	Advanced Transportation Engineering
55	105104100	Modern Surveying Techniques
56	105104102	Water and Waste Water Engineering
57	106104072	Compiler Design
58	106104073	Computer Organisation and Architecture
59	108104048	High Voltage Engineering
60	108104051	Power Systems Analysis
61	117104069	Digital Image Processing
62	117104070	Digital Signal Processing
63	117104071	High Speed Semiconductor Devices
64	117104072	Microcontrollers and Applications
65	112104113	Basic Thermodynamics
66	112104116	Finite Element Method

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67	112104117	Fluid Machinery
68	112104118	Fluid Mechanics
69	112104122	Materials Selection and Design
70	105105104	Design of Concrete Structures
71	105105109	Structural Analysis II
72	105105110	Water Resources Engineering
73	106105078	Artificial Intelligence
74	106105080	Computer Networks
75	106105086	Real Time Systems
76	106105087	Software Engineering
77	108105053	Basic Electrical Technology
78	108105057	Embedded Systems
79	108105061	Illumination Engineering
80	108105063	Industrial Automation and Control
81	108105066	Power Electronics
82	117105076	Communication Networks and Switching

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83	117105077	Digital Communication
84	117105083	Multimedia processing
85	112105125	Design of Machine Elements I
86	112105127	Manufacturing Processes II
87	112105129	Refrigeration and Air Conditioning
88	122106026	Basic Electronics and Lab
89	122106029	Engineering Chemistry III
90	122106030	Environmental Chemistry and Analysis
91	122106031	Management Science I
92	122106032	Management Science II
93	105106112	Design of Steel Structures I
94	105106113	Design of Steel Structures II
95	105106114	Hydraulics
96	105106115	Infrastructure Planning and Management
97	105106117	Pre-stressed Concrete Structures
98	106106088	CAD for VLSI Design I

99	106106089	CAD for VLSI Design II
100	106106091	Computer Networks
101	106106095	Introduction to Database Systems and Design
102	106106097	Principles of Communication
103	108106071	Electrical Machines I
104	108106072	Electrical Machines II
105	108106074	Industrial Instrumentation
106	117106090	Principles of Communication
107	112106133	Applied Thermodynamics
108	112106137	Machine Design II
109	112106139	Mechanical Measurements and Metrology
110	112106141	Strength of Materials
111	105107122	Surveying
112	117107094	Analog Circuits
113	117107095	Basic Electronics
114	112107142	Industrial Engineering

115	112107144	Manufacturing Processes I
116	112107146	Strength of Materials
117	105108128	Reliability Engineering
118	105101085	Structural Analysis I
119	105103097	Soil Mechanics
120	106103070	Theory of Automata and Formal Languages
121	112104120	Introduction to Turbulence
122	108101040	Power Systems Operation and Control
123	117101054	Optical Communication
124	117101057	Transmission Lines and EM Waves
125	105108124	Composite Materials

Phase II Web

S.No	Course_ID	Course_Name
1	101104014	Fundamentals of Combustion
2	101106041	Flight dynamics I - Airplane performance
3	101106043	Flight dynamics II - Airplane stability and control
4	102103016	Plant Biotechnology
5	102103017	Proteomics and Genomics
6	102103038	Cellular and Molecular Immunology
7	102103039	General Virology
8	103101004	Chemical Engineering Thermodynamics
9	103103027	Chemical Engineering Design - II
10	103103029	Chemical Technology - II
11	103103032	Heat Transfer
12	103103033	Interfacial Engineering
13	103103035	Mass Transfer Operations I
14	103103036	Molecular Simulations in Chemical Engineering
15	103104043	Fluid Mechanics
16	103104045	Introduction to Colloid and Interface Science and Engineering
17	103104047	Mechanics of Soft Materials
18	103105060	Novel Separation Processes
19	103106068	Advanced Transport Phenomena
20	104102016	Structure and Functions of Biomolecules
21	104103018	Bio-organic chemistry
22	104103022	Principles of Organic Synthesis
23	104103023	Reagents and Organic reactions

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24	104103067	Catalytic Asymmetric Synthesis
25	104103069	Introductory Inorganic Chemistry
26	105101002	Advanced Hydrology
27	105101004	Introduction to Earthquake Engineering
28	105103025	Geo-environmental Engineering
29	105103027	Probability Methods in Civil Engineering
30	105104034	Ground Improvement Techniques
31	105104132	Advance Geotechnological Engineering
32	105107129	Hydrological Measurements and Analysis of Data
33	105108070	Applied Elasticity for Engineers
34	105108073	Geo-informatics in Transportation Engineering
35	105108074	Geotechnical Earthquake Engineering
36	105108076	Introduction to Engineering Seismology
37	105108081	Water Resources Systems Planning and Management
38	106103015	Computational Number Theory & Cryptography
39	106103016	VLSI Design Verification and Test
40	106104021	Indexing and Searching Techniques in Databases
41	106104024	Parallel Computer Architecture
42	106104025	Program Optimization for Multi-core Architectures
43	106105032	Digital Image Processing
44	106108057	Pattern Recognition
45	107103002	Design fundamentals
46	107104076	Design Paradigm: Source Of Innovation & Invention
47	108103008	Digital Control System
48	108103009	Introduction to Hybrid and Electric Vehicles

49	108106024	Nonlinear Control System
50	108106026	Power System Stability and Control
51	109101003	Contemporary Issues in Philosophy of Mind & Cognition
52	109103018	Cultural Studies
53	109103022	Indian Society - Issues and Problems
54	109103023	Introduction to Sociology
55	109103024	Science, Technology and Society
56	109104029	Biological Bases of Behavior
57	109104044	Population and Society
58	109104050	Translation Studies and Theory
59	109104068	Exploring Human Values: Visions of Happiness and Perfect Society
60	109104070	Psychology of adjustment
61	109104075	Color in Design
62	109106054	Contemporary Literature
63	109106063	Philosophy of Language
64	110105029	Consumer Behaviour
65	110105031	International Finance
66	110105034	Organizational Behaviour
67	110105038	Services Marketing
68	110106040	Bank Management
69	111101001	Algebra II
70	111101002	Algebraic Topology
71	111101004	Introduction to Probability Theory
72	111103020	Number Theory
73	111104026	Discrete Mathematics

74	111104030	Numerical Solution of ODEs
75	111104031	Ordinary Differential Equations
76	111104073	Sampling Theory
77	111106050	Graph Theory
78	111107063	Numerical Solution of Ordinary and Partial Differential Equations
79	112101005	Design For Manufacturing
80	112102015	Tribology
81	112103016	Advanced Engineering Thermodynamics
82	112104030	Computational Fluid Dynamics and Heat Transfer
83	112104033	Engine Combustion
84	112104039	Optical Measurement Techniques in Thermal Sciences
85	112104040	Principles of Vibration Control
86	112104160	Structural Health Monitoring of Composites
87	112104161	Mechanics of Laminated composite structure
88	112104168	Introduction to Composites
89	112105054	Vibration of Structures
90	112107080	Computational Fluid Dynamics
91	112108091	Computational Heat Transfer and Fluid Flow
92	112108093	Robotics: Advanced Concepts and Analysis
93	113104005	Electroceramics
94	113104058	Fuel, furnace and Refractory
95	113104059	Steel Making
96	113104060	Materials and Heat Balance in Metallurgical Processes
97	113106032	Introduction to Materials Science and Engineering
98	113106040	Physics of Materials

99	113108051	Advances in Corrosion Engineering
100	113108052	Diffusion in solids
101	113108055	Metals Biotechnology
102	114106028	Wave simulation, measurement and analysis
103	115101004	Electrodynamics
104	115101010	Quantum Mechanics I
105	115101012	Superconductivity
106	116102008	Knitting Technology
107	116102014	Nonwoven Technology
108	116102019	Quality Control in Textile Industry
109	116102029	Textile Testing
110	116104046	Natural Dyes
111	117103017	Queuing Systems
112	120108002	Aquatic Biodiversity and Environmental Pollution
113	120108004	Environment Management
114	120108005	Municipal Solid Waste Management
115	102106023	Introduction to Computational Neuroscience
116	103103037	Process Control and Instrumentation
117	103105058	Multiphase Flow
118	103106108	Heavy and Fine Chemicals (Chemical Process Technology)
119	104105032	Biocatalysis in organic synthesis
120	104106064	Selected Topics in Co-ordination Chemistry
121	107101001	Visual Communication
122	109104047	Rural and Urban Sociology
123	110105053	Econometric Modelling

124	112104158	Modelling and control of Dynamic Electro-Mechanical System
125	115102017	Nuclear Science & Engineering
126	115103039	Spintronics: Physics and Technology
127	116104045	Textile Effluent and its Management
128	117108037	Biophotonics
129	101108054	Guidance of Missiles
130	101108056	Navigation, Guidance, And Control
131	103102022	Petroleum Refinery Engineering
132	104103068	Bio-Organic Chemistry of Natural Eneidyne Anticancer Antibiotics
133	105104137	Foundation Analysis and Design
134	106103115	Human-Computer Interaction
135	111102012	Linear Programming Problems
136	111103021	Partial Differential Equations
137	111104072	Econometric Theory
138	111104074	Linear Regression Analysis
139	111104075	Analysis of variance and design of experiment-I
140	111106047	Functional Analysis
141	112103021	Gas Dynamics
142	112104173	Smart Material, Adaptive Structures and Intelligent Mechanical Systems - IITK
143	112107077	Advanced Manufacturing Processes
144	113101002	Computational Approach to Materials Science and Engineering
145	113101003	Phase Transformations and Heat Treatment
146	115101009	Ideas and methods in condensed matter theory
147	115102025	Fundamental concepts of semiconductors
148	116102006	High Performance and Specialty Fibres

149	116102017	Shuttleless Weaving
150	116102038	Yarn Manufacture - II
151	102103045	Fundamentals of Biotechnology
152	102106035	Systems Biology
153	103104049	Plantwide Control of Chemical Processes
154	103107082	Chemical Technology - I
155	103107084	Environmental Engineering
156	103107094	Process Integration
157	105107066	Soil Dynamics
158	105107067	Urban transportation planning
159	107104078	Design Philosophy & History
160	108107028	Computer Aided Power System Analysis
161	108107029	Microprocessor
162	109106051	Aspects of Western Philosophy
163	110104024	Introduction to Stochastic Processes and its Applications
164	111104078	Analysis of variance and design of experiment-II
165	111106046	Fourier Analysis
166	112107085	Processing of non metals
167	118106019	Nanobiotechnology
168	101103003	Hypersonic Aerodynamics
169	103101009	Advanced Numerical Analysis
170	103107096	Process Modelling and Simulation
171	104101006	Introduction to Organometallic Chemistry
172	104103071	Basic Organic Chemistry
173	105107059	Advanced Hydraulics

174	109101007	Health Psychology
175	111102011	Linear Algebra
176	112103174	Mechatronics and Manufacturing Automation
177	112106175	Fluid Power control
178	113108054	Introduction to Crystallographic texture and related phenomenon
179	115103028	Advanced Statistical Mechanics
180	115103038	Physics of Magnetic Recording and Recording Media
181	118107015	Nanobiotechnology
182	102103041	Gene Therapy
183	102103044	Bioanalytical Techniques and Bioinformatics
184	105103140	Structural Reliability
185	109104071	Public Economics
186	109104072	History of modern economic thought
187	110106046	Services Operations Management
188	112101001	Second Level Course in Heat Transfer
189	102103012	Cell Biology
190	105101008	Traffic Engineering & Management
191	105103023	Construction Economics & Finance
192	111104032	Probability and Distributions
193	112103024	Theory & Practice of Rotor Dynamics
194	112107090	Welding Engineering
195	105105048	Wastewater management
196	105103026	Ground Water Hydrology
197	112103022	Nonlinear Vibration
198	103107088	Food Engineering

199	103105065	Instability & Patterning of Thin Polymer Films
200	105108077	Remote Sensing
201	101105023	High Speed Aero Dynamics
202	101103004	Principles of Fluid Dynamics
203	102106036	Tissue Engineering
204	119102007	Physics of Atmosphere and Ocean
205	102101040	Advanced Clinical Proteomics
206	115105083	Oscillation and Wave
207	112104176	Sound Propagation Through Media
208	104105071	Organic Chemistry and Pericyclic Reactions
209	116102010	Manufactured Fibre Technology
210	102103013	Genetic Engineering & Applications
211	104103020	Environmental chemistry
212	104103019	Chemistry of Materials
213	105108078	Site Characterisation & Instrumentation
214	109104048	Social Psychology
215	103105110	Fuel and Combustion Technology
216	103103026	Catalyst Science and Technology
217	105104136	Geotechnical Earthquake Engineering
218	105108072	Continuum Damage Mechanics
219	116102026	Textile Fibres
220	117106100	Pattern Recognition
221	101104010	Composite Materials and Structures
222	103102015	Fuel Cell Technology
223	111107056	Complex Analysis

224	112103019	Engineering Drawing
225	117103018	Signal Detection and Estimation Theory
226	107108010	Creative Engineering Design
227	101106035	Airplane design (Aerodynamic)
228	106106112	Parallel Algorithms
229	102103047	Experimental Biotechnology
230	122103039	Basic Biology
231	102103015	Microbiology
232	110101010	Quality Management
233	115103036	Mathematical Physics - 1
234	109106078	Introduction to Film Studies
235	111106054	Topology
236	105103133	Financing Infrastructure Projects
237	103106109	Chemical process industries
238	111107062	Numerical Analysis
239	116102012	Mechanics of Textile Machinery
240	115105052	Random Matrix Theory and Applications
241	112104159	Convective Heat and Mass Transfer
242	108101005	Restructured Power Systems
243	103102024	Transport Phenomena
244	105106049	Advanced Solid Mechanics
245	108106025	Power Quality in Power Distribution Systems
246	101106046	Space Technology
247	110105036	Security Analysis and Portfolio Management
248	112107088	Vibration control

249	118106021	Nanophotonics
250	105102015	G.I.S in Civil Engineering
251	105105041	Finite Element Analysis
252	116102005	Fabric Manufacture - I
253	111102009	Advanced Abstract Algebra
254	112102011	Automation & Controls
255	103106078	System (Process) Identification
256	103106075	Introduction to Microelectronic Fabrication Processes
257	112106061	Computational Fluid Dynamics for Turbomachinery
258	101106040	Experimental Gas/Aerodynamics
259	101106038	Composite Materials
260	102106025	Molecular Cell Biology
261	103107086	Fertilizer Engineering
262	106106107	Distributed Computing Systems
263	109106066	Technical English
264	115106076	Physics & Applications of Semiconductor Nanostructures (Semiconductor Nanodevices)
265	103106101	Nuclear Reactor Technology
266	123106002	An Introduction to Underground Mine Environment and Ventilation
267	112106153	Forming
268	105105138	Probability Methods in Civil Engineering
269	110106059	Operations Research Applications – Linear and Integer Programming
270	103105052	Advanced Heat and Mass Transfer
271	105106142	Concepts in Geotechnical and Foundation Engineering
272	105106144	Advanced Techniques in Geotechnical and Foundation Engineering
273	105107062	Global Positioning System

274	105108069	Advanced Foundation Engineering
275	107103012	Design for Manufacture and Assembly(DFMA)
276	108106022	Energy Management Systems and SCADA
277	109101002	Contemporary Indian Philosophy
278	109104030	Communication Skills
279	110101004	Managerial Accounting
280	110105051	International Business Communication
281	112105050	Solar Energy Technology
282	112105165	Wave Propagation in Continuous Media
283	113105023	Principles of Physical Metallurgy
284	115101007	Introduction to Physics of Nanoparticles and Nanostructures
285	115101008	NonLinear Optics
286	116102016	Textile chemical Processing: Theory and practice of Preparatory Processes
287	117104022	Semiconductor Optical Communication Components and Devices
288	117107035	Advanced Antenna Theory
289	104101005	Organic Reaction Mechanism
290	105106056	Solid & Hazardous Waste Management
291	109104034	Game Theory for Economists
292	109106075	Reading Poetry
293	112106072	Random vibrations & Failure Analysis