



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Date: 16-08-2022

List of All the courses of All the programs for the Academic Year 2021-2022

S. No	Course Code	Name of the Course
1	171AG7E09	Seed Processing and Storage Engineering
2	171AG7E10	Food Processing Plant Design and Layout
3	171AG7E11	Food Packaging Technology
4	171AG7E12	Aqua Cultural Engineering
5	171AG7E13	Soil Dynamics in Tillage and Traction
6	171AG7E14	Computational Fluid Dynamics
7	171AG7L06	Farm Machinery Lab – II
8	171AG7L07	Dairy and Food Engineering Lab
9	171AG7P01	Industry Oriented (Internship) Minor Project
10	171AG7T18	Micro Irrigation Engineering
11	171AG7T19	Farm Machinery and Equipment – II
12	171AG7T20	Dairy and Food Engineering
13	171AG8E15	Hydraulic Devices and Control
14	171AG8E16	Watershed Management
15	171AG8E17	Design of Agricultural Machinery
16	171AG8O01	Digital Control systems
17	171AG8O02	Industrial Pollution Control Engineering
18	171AG8O03	Mechatronics
19	171AG8O04	Water Resources Systems Planning and Management
20	171AG8O05	Image Processing Techniques
21	171AG8P02	Major Project
22	171CE7E10	PE IV Advanced Structural Engineering
23	171CE7E11	Watershed Management
24	171CE7E12	Design of Tall Buildings
25	171CE7E13	PE V Bridge Engineering
26	171CE7E14	Environmental Impact Assessment and Management
27	171CE7E15	Water Resources Systems Planning
28	171CE7L08	Environmental Engineering Lab

S. No	Course Code	Name of the Course
29	171CE7L09	GIS And Computer Aided Design (CAD) Lab
30	171CE7P01	Industry Oriented (Internship) Minor Project
31	171CE7T18	Geotechnical Engineering - II
32	171CE7T19	Environmental Engineering
33	171CE7T20	Remote Sensing and GIS Applications
34	171CE7T21	Estimation, Specifications and Contracts
35	171CE8E16	Urban Transportation Planning Engineering
36	171CE8E17	Soil Dynamics and Foundations
37	171CE8E18	Solid And Hazardous Waste Management
38	171CE8E19	Air Pollution and Control
39	171CE8O01	OE Electronic Instrumentation
40	171CE8O02	Database Management Systems
41	171CE8O03	Alternative Energy Sources
42	171CE8O04	Waste Water Management
43	171CE8O05	Fundamentals of Liquefied Natural Gas
44	171CE8O06	Green Fuel Technologies
45	171CE8O07	Green Engineering Systems
46	171CE8P02	Major Project
47	171CS5E14	Big Data Analytics
48	171CS7E13	Software Project Management
49	171CS7E15	Image Processing
50	171CS7E16	Cyber Laws
51	171CS7E17	Middleware Technologies
52	171CS7E18	Artificial Intelligence and Machine Learning
53	171CS7E19	Information Retrieval Systems
54	171CS7E20	Mobile Computing
55	171CS7L12	UML and Design Patterns Lab
56	171CS7L13	Big Data Analytics Lab
57	171CS7P01	Industry Oriented (Internship) Minor Project
58	171CS7T18	Cryptography and Network Security
59	171CS7T19	UML and Design Patterns
60	171CS7T20	Cloud Computing
61	171CS8E21	Agile Methodologies
62	171CS8E22	Cyber Security
63	171CS8E23	Distributed Databases

S. No	Course Code	Name of the Course
64	171CS8E24	Distributed Systems
65	171CS8O01	Microprocessor and Multi Core Systems
66	171CS8O02	Embedded Systems
67	171CS8O03	Soft Computing
68	171CS8O04	Operations Research
69	171CS8O05	Optical Communications
70	171CS8O06	Renewable Energy sources
71	171CS8O07	Nano Technology and its Applications
72	171CS8P02	Project Work
73	171EC7E10	Digital Signal Processors
74	171EC7E11	Embedded Systems
75	171EC7E12	Cellular and Mobile Communications
76	171EC7E13	Analog IC Design
77	171EC7E14	Cryptography and Network Security
78	171EC7E15	Radar Systems
79	171EC7L10	Microwave Engineering and Optical Communications Lab
80	171EC7L11	Digital Signal and Image Processing Lab
81	171EC7P01	Industry Oriented (Internship) Minor Project
82	171EC7T16	Microwave Engineering
83	171EC7T17	Digital Image Processing
84	171EC7T18	Electronic Measurements And Instrumentation
85	171EC7T19	Optical Communications
86	171EC8E16	Mixed Signal IC Design
87	171EC8E17	Wireless Sensors and Networks
88	171EC8E18	Satellite Communications
89	171EC8O01	Basic Concrete Technology
90	171EC8O02	Disaster Management
91	171EC8O03	Neural Networks
92	171EC8O04	Web Technologies
93	171EC8P02	Major Project
94	171EE7E11	Optimization Techniques
95	171EE7E12	Digital Signal Processing
96	171EE7E13	Special Electrical Machines
97	171EE7E14	High Voltage Engineering
98	171EE7E15	Electric Power Quality

S. No	Course Code	Name of the Course
99	171EE7E16	EHVAC Transmission
100	171EE7L09	Power Systems Simulation Lab
101	171EE7L10	Micro Processor and Micro Controllers Lab
102	171EE7P01	Industry Oriented (Internship) Minor Project
103	171EE7T18	Utilization of Electrical Energy
104	171EE7T19	Linear and Digital IC Applications
105	171EE7T20	Power System Operation and Control
106	171EE7T21	Switch Gear and Protection
107	171EE8E17	HVDC Transmission
108	171EE8E18	Flexible AC Transmission Systems
109	171EE8E19	Power System Reforms
110	171EE8E20	Digital Control Systems
111	171EE8O01	Energy Audit, Conservation and Management
112	171EE8O02	VLSI Design
113	171EE8O03	Unix and Shell Programming
114	171EE8O04	Neural Networks And Fuzzy Logic
115	171EE8O05	Robotics
116	171EE8O06	Vehicular Electric Power Systems
117	171EE8O07	Internet of Things
118	171EE8O08	Cyber Security
119	171EE8P02	Major Project
120	171ES7L16	Mechanical Engineering Lab
121	171ES7T26	Mechanical Measurements and Instrumentation
122	171HS7A04	Managerial Economics and Financial Analysis
123	171HS7T05	Management Science
124	171IT7E06	Machine Learning
125	171IT7E07	Human Computer Interaction
126	171IT7E08	Distributed Systems
127	171IT7E09	Decision Support System
128	171IT7L04	Mobile Computing Lab
129	171IT7P01	Industry Oriented (Internship) Minor Project
130	171IT7T05	Big Data Analytics
131	171IT7T06	Mobile Computing
132	171IT8E10	Pattern Recognition

S. No	Course Code	Name of the Course
133	171IT8O01	Management Information System
134	171IT8O02	Computer Vision
135	171IT8P02	Major Project
136	171ME7E10	Computational Fluid Dynamics
137	171ME7E11	Green Engineering Systems
138	171ME7E12	Nano Materials and Technology
139	171ME7E13	Gas Dynamics
140	171ME7E14	Condition Monitoring
141	171ME7E15	Flexible Manufacturing Systems
142	171ME7L07	CAD/CFD Lab
143	171ME7L08	CAM/Mechatronics Lab
144	171ME7P01	Industry Oriented(Internship) Mini Project
145	171ME7T16	CAD/CAM
146	171ME7T17	Mechatronics
147	171ME7T18	Finite Element Methods
148	171ME7T19	Power Plant Engineering
149	171ME8E16	Production Planning and Control
150	171ME8E17	Advanced Materials
151	171ME8E18	Thermal Equipment Design
152	171ME8O01	Java Programming
153	171ME8O02	Electrical Safety Management
154	171ME8O03	Neural Networks and Fuzzy Logic
155	171ME8O04	Data Base Management Systems
156	171ME8O05	Entrepreneur Resource Planning
157	171ME8O06	Computer Graphics
158	171ME8P02	Major Project
159	171MI7E10	Planning of UGMM Project
160	171MI7E11	Planning of UGCM Project
161	171MI7E12	Planning of Surface Mining Project
162	171MI7E13	Mine mechanization
163	171MI7E14	Advance Underground Coal Mining Technology
164	171MI7E15	Mine Blasting operation
165	171MI7L07	Mine Planning and Design Lab
166	171MI7P01	Industry Oriented (Internship) Minor Project
167	171MI7T17	Mine Economics
168	171MI7T18	Mine Health and Safety Engineering

S. No	Course Code	Name of the Course
169	171MI7T19	Mine Legislation and General Safety
170	171MI7T20	Mine Management
171	171MI8E16	Mine Systems Engineering
172	171MI8E17	Advance Surface Mining Technology
173	171MI8E18	Advanced Underground Metal Mining Technology
174	171MI8O01	Environmental Impact Assessment
175	171MI8O02	Mine Closure and Reclamation
176	171MI8O03	Fundamentals of Communication
177	171MI8O04	Remote Sensing and GIS
178	171MI8O05	Quantitative Decision Making
179	171MI8P02	Major Project
180	171PT7E10	Coal Bed Methane
181	171PT7E11	Offshore Engineering
182	171PT7E12	Petroleum Corrosion Technology
183	171PT7E13	Shale Gas Reservoir Engineering
184	171PT7E14	Subsea Engineering
185	171PT7E15	Reservoir Modeling and Simulation
186	171PT7L07	Petroleum Equipment Design and Simulation Lab
187	171PT7L08	Petroleum Reservoir Engineering Lab
188	171PT7P01	Industry Oriented (Internship) Minor Project
189	171PT7T15	Integrated Asset Management and Petroleum Economics
190	171PT7T16	Petroleum Reservoir Engineering - II
191	171PT7T17	IOR and EOR Techniques
192	171PT7T18	Oil and Gas Processing Plant Design
193	171PT8E16	HSE and FE in Petroleum Industry
194	171PT8E17	Reliability and Risk Management in Petroleum Operations
195	171PT8E18	Deep Sea Production Systems
196	171PT8O01	Green Technologies
197	171PT8O02	Non-Conventional Sources of Energy
198	171PT8O03	Alternative Energy Sources for Automobiles
199	171PT8O04	Waste Water Treatment
200	171PT8O05	Computational Fluid Dynamics
201	171PT8O06	Process Intensification in Petroleum Industry

S. No	Course Code	Name of the Course
202	171PT8P02	Major Project
203	175FI7E01	Security Analysis
204	175FI7E02	Banking and Insurance Management
205	175FI7E03	Advanced Management Accounting
206	175FI8E04	Strategic Financial Management
207	175FI8E05	Portfolio Management
208	175FI8E06	Financial Markets and Services
209	175FI9E07	Global Financial Management
210	175FI9E08	Risk Management
211	175FI9E09	Tax Management
212	175HR7E01	HR Planning
213	175HR7E02	Leadership Management
214	175HR7E03	Compensation and Reward Management
215	175HR8E04	Performance Management
216	175HR8E05	Strategic Human Resource Management
217	175HR8E06	Organizational Development and Change Management
218	175HR9E07	Global Human Resource Management
219	175HR9E08	Intellectual Property Rights
220	175HR9E09	Corporate Governance
221	175IM7T30	Knowledge Management
222	175IM7T31	Strategic Cost Management
223	175IM8T32	Total Quality Management
224	175IM8T33	Project Management
225	175IM9T34	Intellectual Property Rights
226	175IM9T35	Corporate Governance
227	175IMAP02	Major Project
228	175MA7E01	Consumer Behavior
229	175MA7E02	Rural Marketing
230	175MA7E03	Supply Chain Management
231	175MA8E04	Strategic Marketing Management
232	175MA8E05	Services Marketing
233	175MA8E06	Services Marketing
234	175MA9E07	Promotion and Distribution Management
235	175MA9E08	Global Marketing Management
236	175MA9E09	Retail Marketing
237	175SY7E01	E-Business

S. No	Course Code	Name of the Course
238	175SY7E02	RDBMS
239	175SY7E03	Web Designing
240	175SY8E04	System Analysis and Design
241	175SY8E05	Business Intelligence
242	175SY8E06	Enterprise Resource Planning
243	175SY9E07	Cyber Laws and Security
244	175SY9E08	Information Systems and Audit
245	175SY9E09	SAP
246	191AG5E01	Engineering Properties of Biological Materials
247	191AG5E02	Mechanical Measurement and Instrumentation
248	191AG5E03	Theory of Structures
249	191AG5L07	Soil Mechanics Lab
250	191AG5L08	Theory and Design of Agricultural Machine LAB
251	191AG5L09	Agricultural Process Engineering and Food Quality LAB
252	191AG5O01	Basic Crop Production Practices
253	191AG5T09	Strength of Materials
254	191AG5T10	Theory and Design of Agricultural Machinery
255	191AG5T11	Agricultural Process Engineering and Food Quality
256	191AG6E04	Agricultural Structures
257	191AG6E05	Agro Industries and By- Product Utilization
258	191AG6E06	Human Engineering and Safety
259	191AG6E07	Design of Agricultural Machinery
260	191AG6E08	Seed Processing and Storage Engineering
261	191AG6E09	Watershed Planning and Management
262	191AG6L10	Irrigation and Drainage Engineering LAB
263	191AG6L11	Agricultural Machinery and Equipment Lab
264	191AG6O02	Weather forecast in Agriculture
265	191AG6O03	Bio-energy systems design and applications
266	191AG6T12	Irrigation and Drainage Engineering
267	191AG6T13	Post-Harvest Engineering for Horticultural Produce
268	191AG6T14	Agricultural Machinery and Equipment
269	191BS4T16	Numerical methods and Statistical Techniques

S. No	Course Code	Name of the Course
270	191CE5E01	Airport Planning and Design
271	191CE5E02	Construction Technology and Management
272	191CE5E03	Environmental Pollution and Control
273	191CE5E04	Subsurface Investigation and Instrumentation
274	191CE5E05	Urban Hydrology
275	191CE5L05	Engineering geology lab
276	191CE5L06	Geotechnical engineering lab
277	191CE5O01	Basic Concrete Technology
278	191CE5T09	Irrigation and water resource Engineering
279	191CE5T10	Engineering geology
280	191CE5T11	Design and drawing of Reinforced concrete structures
281	191CE5T12	Geotechnical engineering
282	191CE6E06	Air Pollution Engineering
283	191CE6E07	Ground Improvement Techniques
284	191CE6E08	Hydropower Development
285	191CE6E09	Railway Engineering
286	191CE6E10	PE-II Repair and Rehabilitation of Structures
287	191CE6E11	Docks and Harbour Engineering
288	191CE6E12	Expansive Soils
289	191CE6E13	PE -III Finite Element Methods
290	191CE6E14	Industrial Waste and Waste-Water Engineering
291	191CE6E15	Water Resources System Analysis
292	191CE6L07	Transportation engineering lab
293	191CE6L08	Computer aided design lab
294	191CE6L09	Irrigation design and drawing
295	191CE6O02	Disaster Management
296	191CE6T13	Design and drawing of steel Structures
297	191CE6T14	Highway engineering
298	191CE6T15	Foundation engineering
299	191CS5E01	Advanced Computer Architecture
300	191CS5E02	Artificial Intelligence
301	191CS5E03	Computer Graphics
302	191CS5E04	Functional and Logic Programming
303	191CS5E05	Software Requirement and Estimation

S. No	Course Code	Name of the Course
304	191CS5L04	Operating Systems and Computer Networks Lab
305	191CS5L05	Database Management Systems Lab
306	191CS5O01	Data Structures
307	191CS5O02	Object Oriented Programming through C++
308	191CS5O03	Java Programming
309	191CS5O04	R Programming
310	191CS5T08	Compiler Design
311	191CS5T09	Computer Networks
312	191CS5T10	Database Management Systems
313	191CS5T11	Operating Systems
314	191CS6E06	Advance Operating Systems
315	191CS6E07	Image Processing
316	191CS6E08	Machine Learning
317	191CS6E09	Scripting languages
318	191CS6E10	Software Testing Methodologies
319	191CS6E11	C# .Net
320	191CS6E12	Cloud Computing
321	191CS6E13	Distributed Systems
322	191CS6E14	Natural Language Processing
323	191CS6E15	Software Quality Assurance
324	191CS6L06	Data Mining and Object Oriented Analysis and Design Lab
325	191CS6L07	Web Technologies Lab
326	191CS6O05	Python Programming
327	191CS6O06	Operating Systems
328	191CS6O07	Web Technologies
329	191CS6O08	Cyber Security
330	191CS6O09	AR / VR
331	191CS6T12	Data Ware Housing and Data Mining
332	191CS6T13	Object Oriented Analysis and Design
333	191CS6T14	Web Technologies
334	191EC5E01	Computer System Architecture
335	191EC5E02	Digital System Design-I
336	191EC5E03	Electromagnetic Interference and Compatibility
337	191EC5E04	Python Programming
338	191EC5L05	Integrated Circuits and applications Lab

S. No	Course Code	Name of the Course
339	191EC5L06	Digital Communications Lab
340	191EC5O01	Signals and Systems
341	191EC5O02	Digital Electronics and Logic Design
342	191EC5O03	Semi conductor devices
343	191EC5T08	Integrated Circuits and applications
344	191EC5T09	Digital Communications
345	191EC5T10	Antennas and Wave Propagation
346	191EC5T11	Computer Networks
347	191EC6E05	Digital System Design-II
348	191EC6E06	Embedded Systems
349	191EC6E07	Information Theory and Coding
350	191EC6E08	Soft Computing Techniques
351	191EC6E09	Design for Testability
352	191EC6E10	Embedded C
353	191EC6E11	Radar Systems
354	191EC6E12	Signal Transform Techniques
355	191EC6L07	Internet of Things Lab
356	191EC6L08	VLSI Lab
357	191EC6O04	Biomedical Instrumentation
358	191EC6O05	ECAD Tools
359	191EC6T12	Internet of Things
360	191EC6T13	VLSI Design
361	191EC6T14	Digital Signal Processing
362	191EE5E01	Advanced Control Systems
363	191EE5E02	Electrical Machine Modeling and Analysis
364	191EE5E03	Renewable energy systems
365	191EE5L04	Electrical Machines-II Lab
366	191EE5L05	Control Systems Lab
367	191EE5O01	Advanced Separation Techniques
368	191EE5O02	Storage and Transportation of Crude oil and Natural gas
369	191EE5O03	Basic Electrical Measurements
370	191EE5T10	Power Systems –II
371	191EE5T11	Power Electronics
372	191EE5T12	Electrical Measurements and Instrumentation
373	191EE6E05	Advanced Power Electronics Converters
374	191EE6E06	Digital Control Systems

S. No	Course Code	Name of the Course
375	191EE6E07	Electrical Distribution Systems
376	191EE6E08	Energy Audit, Conservation & Management
377	191EE6E09	Control Systems Design
378	191EE6E10	Electrical Safety
379	191EE6E11	High Voltage Transmission
380	191EE6E12	Switched mode power Converters
381	191EE6L06	Electrical Measurements & Instrumentation Lab
382	191EE6L07	Power Electronics Lab
383	191EE6O04	OE II Energy Audit and Conservation Management
384	191EE6O05	Non Conventional Energy resources
385	191EE6O06	Instrumentation
386	191EE6T13	Microprocessor & Interfacing
387	191EE6T14	Power System Analysis
388	191EE6T15	Power Converter Drives
389	191ES5T16	Employability Skills – III
390	191ES6T17	Employability Skills - IV
391	191HS5T05	Managerial Economics and Financial Analysis
392	191HS5T06	Employability Skills - III
393	191HS6T07	Employability skills - IV
394	191IT5O01	Data Base Management Systems
395	191IT5O02	Computer Graphics
396	191IT6O03	Computer Organization
397	191IT6O04	AI Tools and Techniques
398	191IT6O05	Robotic Process Automation
399	191MC5A07	Survey camp
400	191MC5A08	Intellectual Property Rights and Patents
401	191MC6A09	Professional Ethics and Human Values
402	191ME5E01	Automobile Engineering
403	191ME5E02	Composite Materials
404	191ME5E03	Fluid Engineering
405	191ME5E04	Mechanical Vibrations
406	191ME5E05	Metrology and Instrumentation
407	191ME5E06	Organizational Behaviour
408	191ME5L05	Metrology/ICS Lab
409	191ME5L06	Theory of Machines Lab

S. No	Course Code	Name of the Course
410	191ME5L07	Thermal Engineering Lab
411	191ME5O01	Renewable Energy Sources
412	191ME5O02	Fundamentals of Mechanical Engineering
413	191ME5O03	Supply Chain Management
414	191ME5O04	3D Printing
415	191ME5O05	Entrepreneurship Development and Incubation
416	191ME5T09	Dynamics of Machinery
417	191ME5T10	Design of Machine members-I
418	191ME5T11	Thermal Engineering -II
419	191ME6E07	Industrial Engineering and Management
420	191ME6E08	Mechatronics
421	191ME6E09	Non Destructive Evaluation
422	191ME6E10	Refrigeration and Air Conditioning
423	191ME6E11	Robotics
424	191ME6E12	Additive Manufacturing
425	191ME6E13	Alternative Fuels
426	191ME6E14	Design for Manufacturing
427	191ME6E15	Green Engineering Systems
428	191ME6E16	Lean Manufacturing
429	191ME6L08	Machine Cutting and Machine Tools Lab
430	191ME6L09	Heat Transfer Lab
431	191ME6O06	Solar Energy Utilisation
432	191ME6O07	Basic Thermodynamics and Heat Transfer
433	191ME6O08	ECAD Tools
434	191ME6O09	3D Printing
435	191ME6O10	Robotics
436	191ME6O11	Management Science
437	191ME6O12	Entrepreneurship Development and Incubation
438	191ME6T12	Heat Transfer
439	191ME6T13	Design of Machine members-II
440	191ME6T14	Metal Cutting and Machine Tools
441	191MI5E01	Drilling and Blasting
442	191MI5E02	Environmental Impact Assessment
443	191MI5E03	Planning of Underground Coal Mining Project
444	191MI5E04	Sustainable Mining

S. No	Course Code	Name of the Course
445	191MI5L04	Mine Environment and Ventilation Engineering Lab
446	191MI5O01	Overview of Mining
447	191MI5T09	Mine Systems Engineering
448	191MI5T10	Underground Metal Mining Technology
449	191MI5T11	Mine Environment and Ventilation Engineering
450	191MI5T12	Mine Machinery
451	191MI6E05	Green Mining
452	191MI6E06	Mine Health and Safety Engineering
453	191MI6E07	Planning of Underground Metal Mining Project
454	191MI6E08	Rock Fragmentation Engineering
455	191MI6E09	Deep Sea Mining
456	191MI6E10	Environmental Pollution and Control
457	191MI6E11	Planning of Surface Mining Project
458	191MI6E12	Rock Excavation Engineering
459	191MI6L05	Mine Planning and Design Lab
460	191MI6L06	Mineral Processing Lab
461	191MI6O02	Industrial Safety Practices
462	191MI6O03	Electrical Equipment's in Mines
463	191MI6T13	Mineral Processing Technology
464	191MI6T14	Mine Hazards and Rescue
465	191MI6T15	Environmental Management in Mines
466	191PR5P01	Socially Relevant Project
467	191PR5P02	Socially Relevant Project
468	191PT5E01	Natural Gas Engineering and Processing
469	191PT5E02	Pipeline Engineering
470	191PT5E03	Well Engineering and Design
471	191PT5L04	Drilling Fluids Lab
472	191PT5L05	Instrumentation, Process Dynamics and Control Lab
473	191PT5O01	Process Intensification in Petroleum Industry
474	191PT5O02	Fundamentals of Petroleum Industry
475	191PT5T08	Instrumentation and Process Control
476	191PT5T09	Well Logging and Mud Logging
477	191PT5T10	Drilling Technology
478	191PT5T11	Thermodynamics for Petroleum Engineers

S. No	Course Code	Name of the Course
479	191PT6E04	Fundamentals of Liquefied Natural gas
480	191PT6E05	Operational and Maintenance of Pipelines
481	191PT6E06	Well Completions, Testing and Services
482	191PT6E07	Advanced Separation Techniques
483	191PT6E08	Storage and Transportation of Crude oil and Natural gas
484	191PT6E09	Unconventional Hydrocarbon Resources
485	191PT6L06	IOT and its Applications
486	191PT6L07	Artificial Intelligence
487	191PT6O03	English for research paper writing
488	191PT6O04	Soft skills
489	191PT6T12	Soft skills
490	191PT6T13	Petroleum Production Engineering
491	191PT6T14	Petroleum Reservoir Engineering-I
492	191PT7E07	Advanced Separation Techniques
493	191PT7E08	Storage and Transportation of Crude oil and Natural gas
494	191PT7E09	Unconventional Hydrocarbon Resources
495	1925T1E01	Matrix Analysis of Structures
496	1925T1E02	Analytical & Numerical Method for Structural Engineering
497	1925T1E03	Design of RCC Foundations
498	1925T1E04	Bridge Engineering
499	1925T1E05	Repair & Rehabilitation of Structures
500	1925T1E06	Advanced Reinforced Concrete Design
501	1925T1L01	Advanced Concrete Technology Laboratory
502	1925T1L02	Advanced Structural Engineering Laboratory
503	1925T2E07	Stability of Structures
504	1925T2E08	Advanced Steel Design
505	1925T2E09	Analysis of offshore Structures
506	1925T2E10	Earthquake Resistant Design of Buildings
507	1925T2E11	Precast and Prefabricated Structures
508	1925T2E12	Earth Retaining Structures
509	192CS1E01	Big Data Analytics
510	192CS1E02	Digital Image Processing
511	192CS1E03	Advanced Operating Systems
512	192CS1E04	Advanced Computer Networks

S. No	Course Code	Name of the Course
513	192CS1E05	Internet of Things
514	192CS1E06	Object Oriented Software Engineering
515	192CS1L01	Advanced Data Structures and Algorithms Lab
516	192CS1L02	Advanced Computing Lab
517	192CS1T01	Mathematical Foundations of Computer Science
518	192CS1T02	Advanced Data Structures and Algorithms
519	192CS2E07	Advanced Databases and Mining
520	192CS2E08	Ad Hoc and Sensor Networks
521	192CS2E09	Soft Computing
522	192CS2E10	Cloud Computing
523	192CS2E11	Principles of computer security
524	192CS2E12	High Performance Computing
525	192CS2L03	Machine Learning with Python lab
526	192CS2L04	MEAN Stack Technologies Lab
527	192CS2P01	Mini Project with Seminar
528	192CS2T03	Machine learning
529	192CS2T04	MEAN Stack Technologies
530	192CS3E13	Deep Learning
531	192CS3E14	Social Network Analysis
532	192CS3O01	Python Programming
533	192CS3O02	Principles of Cyber Security
534	192CS3O03	Internet of Things
535	192CS3O04	Machine Learning
536	192CS3O05	Artificial Intelligence
537	192CS3O06	Deep Learning
538	192CS3P02	Dissertation-I/ Industrial Project
539	192CS4P03	Dissertation-II
540	192EM2E11	Network Security and Cryptography
541	192EM3E13	IOT and its Applications
542	192EM3E14	Hardware Software co-design
543	192EM3E15	Artificial Intelligence
544	192ES3O01	Embedded System Design
545	192ES3O02	Digital System Design
546	192ES3O03	Programming Languages for Embedded Systems
547	192ES3O04	Sensors and Actuators

S. No	Course Code	Name of the Course
548	192HS1T01	Research Methodology and IPR
549	192MC1A01	English for research paper writing
550	192MC1A02	Disaster Management
551	192MC1A03	Sanskrit for technical knowledge
552	192MC1A04	Value education
553	192MC1A05	Constitution of india
554	192MC1A06	Pedagogystudies
555	192MC1A07	Stress management by YOGA
556	192MC1A08	Personality development through life enlightenment skills
557	192MC1A09	Soft skills
558	192PD1E01	Modern Control Theory
559	192PD1E02	Power Quality and Custom Power Devices
560	192PD1E03	Programmable Logic Controllers and Applications
561	192PD1E04	Artificial Intelligence Techniques
562	192PD1E05	Renewable Energy Technologies
563	192PD1E06	HVDC Transmission and Flexible AC Transmission Systems
564	192PD1L01	Power Electronics Simulation Laboratory
565	192PD1L02	Power Converters Laboratory
566	192PD1T01	Electrical Machine Modeling and Analysis
567	192PD1T02	Analysis of Power Electronic Converters
568	192PD2E07	Control and Integration of Renewable Energy Systems
569	192PD2E08	Hybrid Electric Vehicles
570	192PD2E09	Digital Control Systems
571	192PD2E10	Advanced Digital Signal Processing
572	192PD2E11	Applications of Power Converters
573	192PD2E12	Microcontrollers
574	192PD2L03	Electric Drives Simulation Laboratory
575	192PD2L04	Electric Drives Laboratory
576	192PD2P01	Mini Project with Seminar
577	192PD2T03	Switched Mode Power Conversion
578	192PD2T04	Power Electronic Control of Electrical Drives
579	192PD3E13	Digital Signal Processing Controlled Drives
580	192PD3E14	Smart Grid Technologies

S. No	Course Code	Name of the Course
581	192PD3E15	Modeling and Simulation of Power Electronic Systems
582	192PD3O01	Renewable Energy Technologies
583	192PD3O02	Hybrid Electric Vehicles
584	192PD3O03	Energy Audit and conservation Management
585	192PD3O04	Neural Networks and Fuzzy Logic
586	192PD3O05	Industrial Safety
587	192PD3O06	Composite Materials
588	192PD3P02	Dissertation I/Industrial Project
589	192PD4P03	Dissertation II
590	192PE1E01	Advanced Numerical
591	192PE1E02	CBM and Shale Gas Engineering
592	192PE1E03	Transportation of Oil and Gas
593	192PE1E04	Advanced Well Logging Techniques and Well Testing Analysis
594	192PE1L01	Advanced Numerical Methods and
595	192PE1L02	Drilling Simulation Laboratory
596	192PE1T01	Offshore Drilling.
597	192PE1T02	Fundamentals of Petroleum Geology and Reservoir Engineering
598	192PE1T03	Reservoir Stimulation (PE stream)
599	192PE1T04	Petroleum Well Drilling and Production Engineering
600	192PE2E05	Advanced EOR Techniques
601	192PE2E06	Advanced Well Completions
602	192PE2E07	Flow Assurance
603	192PE2E08	Advanced Horizontal Well Technology
604	192PE2L03	Reservoir Simulation Laboratory
605	192PE2L04	Flow Assurance Laboratory
606	192PE2P01	Mini Project with Seminar
607	192PE2T05	Artificial Lift Techniques
608	192PE2T06	Reservoir Modeling and Simulation
609	192PE3O01	Introduction to Petroleum Engineering
610	192PE3O02	Process Intensification
611	192PE3O03	Fundamentals of Liquefied
612	192PE3O04	Subsea Engineering
613	192PE3O05	Geology
614	192PE3O06	HSE in Petroleum Industry

S. No	Course Code	Name of the Course
615	192PE3P02	Dissertation-I/ Industrial Project
616	192PE4P03	Dissertation-II
617	192ST1T01	Theory of Elasticity
618	192ST1T02	Structural dynamics
619	192ST1T03	Advanced Concrete Technology
620	192ST2L03	Computer Aided Design Laboratory
621	192ST2L04	Structural Design Laboratory
622	192ST2P01	Mini Project With Seminar
623	192ST2T04	Finite Element Methods in Structural Engineering
624	192ST2T05	Theory of Plates and Shells
625	192ST3E13	Design of Prestressed Concrete Structures
626	192ST3E14	Structural Health Monitoring
627	192ST3E15	Industrial Structures
628	192ST3O01	Repair and Rehabilitation of Structures
629	192ST3O02	Green Building Systems
630	192ST3O03	Basic Concrete Technology
631	192ST3O04	Basic Foundation Engineering
632	192ST3P02	Dissertation-I/ Industrial Project
633	192ST4P03	Dissertation-II
634	192STM00C1	MOOCS-I*
635	192TE1E01	Advanced IC Engines, Electric and Hybrid Vehicles
636	192TE1E02	Gas Dynamics
637	192TE1E03	Cryogenic Engineering
638	192TE1E04	Advanced Thermodynamics
639	192TE1E05	Gas Turbines
640	192TE1E06	Alternative Fuel Technologies
641	192TE1E07	Energy Conservation and Management
642	192TE1E08	Theory and Technology of
643	192TE1L01	Computational Fluid Dynamics Lab-I
644	192TE1T01	Advanced Fluid Mechanics
645	192TE1T02	Computational Fluid Dynamics
646	192TE2E09	Equipment Design for Thermal Systems
647	192TE2E10	Solar Energy Technologies
648	192TE2E11	Advanced Power Plant Engineering
649	192TE2E12	Combustion, Emissions and Environment
650	192TE2E13	Jet propulsion and Rocket Engineering

S. No	Course Code	Name of the Course
651	192TE2E14	Automotive Engineering
652	192TE2E15	Modeling and I.C.Engines
653	192TE2E16	Renewable Energy Technologies
654	192TE2L03	Computational Fluid Dynamics Lab-II
655	192TE2L04	Thermal Engineering Lab -II
656	192TE2P01	Mini Project with Seminar
657	192TE2T03	Advanced Heat Transfer
658	192TE2T04	Thermal Measurements and Process Controls
659	192TE3E17	Optimization Techniques and Applications
660	192TE3E18	Design and Analysis of Experiments
661	192TE3E19	Convective Heat Transfer
662	192TE3E20	Waste to Energy
663	192TE3O01	Energy Systems
664	192TE3O02	Fuels and Combustion
665	192TE3O03	Green Engineering Technology
666	192TE3O04	IC Engines
667	192TE3O05	Automotive Technology
668	192TE3P02	Dissertation I
669	192TE4P03	Dissertation II
670	192VD1E01	VLSI Technology
671	192VD1E02	Nano materials and Nanotechnology
672	192VD1E03	MEMS Technology
673	192VD1E04	Device Modelling
674	192VD1E05	Nano-Electronics
675	192VD1E06	Photonics
676	192VD1L01	CMOS Analog IC Design Lab
677	192VD1L02	CMOS Digital IC Design Lab
678	192VD1T01	CMOS Analog IC Design
679	192VD1T02	CMOS Digital IC Design
680	192VD2E07	Design For Testability
681	192VD2E08	IoT and Its Applications
682	192VD2E09	VLSI Signal Processing
683	192VD2E10	Microcontrollers and programmable
684	192VD2E11	Low Power VLSI Design
685	192VD2L03	Mixed Signal IC Design Lab
686	192VD2L04	Physical Design Automation Lab

S. No	Course Code	Name of the Course
687	192VD2P01	Mini Project with Seminar
688	192VD2T03	Mixed Signal and RF IC Design
689	192VD2T04	Physical Design Automation
690	192VD3E12	Scripting Languages for VLSI
691	192VD3E13	Digital System Design and Verification
692	192VD3O01	Physical Design Automation
693	192VD3O02	VLSI Technology
694	192VD3O03	Nano-electronics
695	192VD3P03	Dissertation-I/ Industrial Project
696	192VD3P04	Dissertation-II
697	193MC3L07	Database Management Systems Lab
698	193MC3L08	Advanced Java Programming Lab
699	193MC3L09	OOAD through UML Lab
700	193MC3T11	Database Management Systems
701	193MC3T12	Computer Networks
702	193MC3T13	Design and Analysis of Algorithms
703	193MC3T14	Advanced Java Programming
704	193MC3T15	Object Oriented Analysis and Design
705	193MC4E01	Embedded Computing
706	193MC4E02	Artificial Intelligence
707	193MC4E03	MOOCs-1 (NPTEL/SWAYAM) (Self-learning courses)
708	193MC4E04	Cloud Computing
709	193MC4L10	Full Stack Technologies Lab
710	193MC4L11	Data Mining with R Lab
711	193MC4L12	Python Programming Lab
712	193MC4T16	Data Warehousing and Data Mining
713	193MC4T17	Full Stack Technologies
714	193MC4T18	Python Programming
715	193MC5E07	Digital Marketing
716	193MC5E08	Natural Language Processing
717	193MC5E09	MOOCs-3 (NPTEL/SWAYAM)
718	193MC5E10	Internet of Things
719	193MC5E11	DevOps
720	193MC5E12	MOOCs-4 (NPTEL/SWAYAM)
721	193MC5L13	Cryptography and Network Security Lab
722	193MC5L14	Big Data Analytics Lab

S. No	Course Code	Name of the Course
723	193MC5L15	Machine Learning with Python Lab
724	193MC5T20	Big Data Analytics
725	193MC5T21	Machine Learning
726	193MC6P01	Dissertation/ Thesis
727	193MC6R01	Project Seminar
728	194FI3E01	Investment Analysis and Portfolio Management
729	194FI3E02	Managing Banks and Financial Institutions
730	194FI3E03	Financial Markets and Services
731	194FI3E04	Taxation
732	194FI4E05	Financial Derivatives
733	194FI4E06	Global Financial Management
734	194FI4E07	Risk Management
735	194FI4E08	Behavioral Finance
736	194HR3E01	Leadership and Change Management
737	194HR3E02	Performance Evaluation and Compensation Management
738	194HR3E03	Human Capital Management
739	194HR3E04	Manpower Planning, Recruitment, and Selection
740	194HR4E05	Labour Welfare and employment laws
741	194HR4E06	International HRM
742	194HR4E07	Employee Relations and Engagement
743	194HR4E08	Strategic HRM
744	194MA3E01	Consumer Behavior
745	194MA3E02	Retail Management
746	194MA3E03	Strategic Marketing Management
747	194MA3E04	Digital and Social Media Marketing
748	194MA4E05	Services Marketing
749	194MA4E06	Promotional and Distribution Management
750	194MA4E07	Green Marketing
751	194MA4E08	Global Marketing Management
752	194MB1L01	Business Communication and Soft Skills Lab
753	194MB1L02	Information Technology – Lab – I (Spreadsheet and Tally)
754	194MB1O01	Cross Cultural Management
755	194MB1O02	Rural Innovation Projects
756	194MB1T01	Management and Organizational Behavior

S. No	Course Code	Name of the Course
757	194MB1T02	Managerial Economics
758	194MB1T03	Accounting for Managers
759	194MB1T04	Quantitative Analysis for Business Decisions
760	194MB1T05	Legal and Business Environment
761	194MB1T06	Business Communication and Soft Skills
762	194MB2L03	IT-Lab – 2 (R Programming)
763	194MB2O04	Project Management.
764	194MB2O05	Technology Management.
765	194MB2O06	Lean Management.
766	194MB2O07	Data base Management System.
767	194MB2T07	Financial Management.
768	194MB2T08	Human Resource Management
769	194MB2T09	Marketing Management
770	194MB2T10	Operations Management
771	194MB2T11	Business Research Methods
772	194MB3P01	Industrial Project based on Summer Internship
773	194MB3T12	Strategic Management
774	194MB3T13	Operations Research
775	194MB4C01	Comprehensive Viva - Voce
776	194MB4T14	Supply Chain Management and Analytics
777	194MB4T15	Innovation and Entrepreneurship
778	194MBMOOC1	MOOCs: SWAYAM/NPTEL
779	194SY3E01	Data Mining for Business Decisions
780	194SY3E02	Managing Software Projects
781	194SY3E03	Web Designing
782	194SY3E04	Business Analytics
783	194SY4E05	Big Data Analytics
784	194SY4E06	Enterprise Resource Planning
785	194SY4E07	Cyber Laws & Security
786	194SY4E08	Artificial Intelligence and Machine Learning
787	195IM1P01	Summer Internship (6 Weeks)
788	195IM1T01	English Language – I
789	195IM1T02	Business Mathematics and Statistics
790	195IM1T03	Fundamentals of Business Organization
791	195IM1T04	Financial Accounting – I

S. No	Course Code	Name of the Course
792	195IM1T05	Fundamentals of Computers
793	195IM2T06	English Language – II
794	195IM2T07	Business Environment
795	195IM2T08	Managerial Economics
796	195IM2T09	Financial Accounting – II
797	195IM2T10	Organizational Communications
798	195IM3T11	Principles of Management
799	195IM3T12	Cost Accounting
800	195IM3T13	Banking Theory and Practice
801	195IM3T14	Business Law
802	195IM3T15	Entrepreneurship Development
803	195IM4T16	Organizational Behavior
804	195IM4T17	Management Accounting
805	195IM4T18	Company Law
806	195IM4T19	Elements of Direct and Indirect Taxes
807	195IM4T20	Management Information Systems
808	195IM5T21	Financial Management
809	195IM5T22	Marketing Management
810	195IM5T23	Human Resource Management
811	195IM5T24	Operations Management
812	195IM5T25	Business Research Methodology
813	195IM6T26	Operations Research
814	195IM6T27	International Business
815	195IM6T28	Strategic Management
816	195IM6T29	Decision Support Systems
817	19CS3O01	Python Programming
818	19CS3O02	Principles of Cyber Security
819	19CS3O03	Internet of Things
820	19CS3O04	Machine Learning
821	19CS3O05	Artificial Intelligence
822	19CS3O06	Deep Learning
823	19ES3O01	Embedded System Design
824	19ES3O02	Digital System Design
825	19ES3O03	Programming Languages for Embedded Systems
826	19ES3O04	Sensors and Actuators
827	19MC1A01	English for Research Paper Writing

S. No	Course Code	Name of the Course
828	19MC1A02	Disaster Management
829	19MC1A03	Sanskrit for Technical Knowledge
830	19MC1A04	Value Education
831	19MC1A05	Constitution of India
832	19MC1A06	Pedagogy Studies
833	19MC1A07	Stress Management by Yoga
834	19MC1A08	Personality Development through Life Enlightenment Skills
835	19MC1A09	Soft Skills
836	19PE3O01	Introduction to Petroleum Engineering
837	19PE3O02	Process Intensification
838	19PE3O03	Fundamentals of Liquefied Natural Gas
839	19PE3O04	Subsea Engineering
840	19PE3O05	Geology
841	19PE3O06	HSE in Petroleum Industry
842	19ST3O01	Repair and Rehabilitation of Structures
843	19ST3O02	Green Building Systems
844	19ST3O03	Basic Concrete Technology
845	19ST3O04	Basic Foundation Engineering
846	19STE3O01	Fuels and Combustion
847	19STE3O02	IC Engines
848	19STE3O03	Automotive Technology
849	19STE3O04	Embedded System Design
850	19STE3O05	Digital System Design
851	19TE1L02	Physical Design Automation
852	19VD3O01	Physical Design Automation
853	19VD3O02	VLSI Technology
854	19VD3O03	Nano-electronics
855	201AG3L01	Surveying and Levelling Lab
856	201AG3L02	Fluid Mechanics and Open Channel Hydraulics Lab
857	201AG3L03	Thermodynamics, Refrigeration and Air Conditioning Lab
858	201AG3T01	Surveying and Levelling
859	201AG3T02	Fluid Mechanics and Open Channel Hydraulics
860	201AG3T03	Thermodynamics, Refrigeration and Air Conditioning
861	201AG3T04	Strength of Materials

S. No	Course Code	Name of the Course
862	201AG4H01	Water Quality and Management Measures
863	201AG4H02	Machine Design
864	201AG4H03	Food Plant Design and Management
865	201AG4L04	Tractor Systems and Controls Lab
866	201AG4L05	Heat and Mass Transfer Lab
867	201AG4M01	Groundwater, Wells and Pumps
868	201AG4M02	Tractor and Automotive Engines
869	201AG4M03	Engineering Properties of Agricultural Produce
870	201AG4T05	Heat and Mass Transfer
871	201AG4T06	Tractor Systems and Controls
872	201BS1L01	Engineering Physics Lab
873	201BS1L02	Engineering Physics Lab
874	201BS1L03	Engineering Chemistry Lab
875	201BS1T01	Differential equations and Linear algebra
876	201BS1T02	Engineering Physics
877	201BS1T03	Applied Physics
878	201BS1T04	Engineering Chemistry
879	201BS2L04	Applied Physics Lab
880	201BS2L05	Engineering Chemistry Lab
881	201BS2T05	Partial Differential Equations and Vector Calculus
882	201BS2T06	Transform Techniques
883	201BS2T07	Numerical Methods and Complex Variables
884	201BS2T08	Chemistry of Materials
885	201BS2T09	Applied Physics
886	201BS3T10	Numerical Methods and Vector Calculus
887	201BS3T11	Numerical Methods and Complex variables
888	201BS3T12	Integral transforms and applications of Partial Differential Equations
889	201BS3T13	Discrete Mathematics
890	201BS3T14	Numerical Methods and Integral Transforms
891	201BS4T15	Numerical Methods and Statistical Techniques
892	201BS4T16	Probability and statistics
893	201BS4T17	Complex Variables and Statistical Methods
894	201BS4T18	Managerial Economics and Financial Accountancy

S. No	Course Code	Name of the Course
895	201CE3L01	Building Planning and Drawing Lab
896	201CE3L02	Concrete Technology Lab
897	201CE3L03	Strength of Materials Lab
898	201CE3T01	Strength of Materials-I
899	201CE3T02	Fluid Mechanics
900	201CE3T03	Structural Analysis
901	201CE3T04	Concrete Technology
902	201CE4L04	Engineering Geology Lab
903	201CE4L05	FM and HM Lab
904	201CE4T05	Engineering Geology
905	201CE4T06	Strength of Materials-II
906	201CE4T07	Hydraulics and Hydraulic Machinery
907	201CE4T08	Soil Mechanics
908	201CS3L01	Object Oriented Programming through C++ Lab
909	201CS3L02	Operating Systems Lab
910	201CS3L03	Unix and Shell Programming Lab
911	201CS3T01	Advanced Data Structures
912	201CS3T02	Object Oriented Programming through C++
913	201CS3T03	Operating Systems
914	201CS3T04	Software Engineering
915	201CS4L04	Database Management Systems Lab
916	201CS4L05	Java Programming Lab
917	201CS4L06	R Programming Lab
918	201CS4T05	Formal Languages and Automata Theory
919	201CS4T06	Database Management Systems
920	201CS4T07	Java programming
921	201EC3L01	Electronic Devices and Circuits Lab
922	201EC3L02	Signals and Systems Lab
923	201EC3L03	Digital Electronics and Logic Design Lab
924	201EC3T01	Electronic Devices and Circuits
925	201EC3T02	Signals and Systems
926	201EC3T03	Digital Electronics and Logic Design
927	201EC3T04	Random Variables and Stochastic Processes
928	201EC4L04	Electronic Circuit Analysis Lab
929	201EC4L05	Integrated Circuits and Applications Lab

S. No	Course Code	Name of the Course
930	201EC4L06	Analog Communications Lab
931	201EC4T05	Electronic Circuit Analysis
932	201EC4T06	Integrated Circuits and Applications
933	201EC4T07	Analog Communications
934	201EE3L01	DC machines and transformers Lab
935	201EE3L02	Electrical Circuits Lab
936	201EE3L03	Analog Electronic Circuits Lab
937	201EE3T01	Analog Electronic Circuits
938	201EE3T02	Electrical Circuit Analysis
939	201EE3T03	DC Machines and transformers
940	201EE3T04	Electromagnetic Fields
941	201EE4L04	Induction and Synchronous Machines Lab
942	201EE4L05	Digital Electronics lab
943	201EE4T05	Electrical Power Generation and Distribution Systems
944	201EE4T06	Digital Electronics
945	201EE4T07	Induction and Synchronous Machines
946	201ES1I01	Engineering Graphics
947	201ES1I02	Computer Engineering Workshop
948	201ES1L02	Engineering Workshop
949	201ES1L03	Essential Electrical and Electronics Engineering Lab
950	201ES1L04	Soil Science and Agronomy Field Lab
951	201ES1T02	Building Materials and Construction
952	201ES1T03	Essential Electrical and Electronics Engineering
953	201ES1T04	Principles of Agronomy and Soil Science
954	201ES1T05	Engineering Graphics
955	201ES2I03	Object Oriented Programming through JAVA
956	201ES2L06	Surveying field Work
957	201ES2L07	Engineering Workshop
958	201ES2L08	Electronics Engineering Workshop
959	201ES2L09	Engineering Chemistry Lab
960	201ES2L10	Programming for problem solving using C Lab
961	201ES2L11	Programming for Problem Solving Using C Lab
962	201ES2L12	Computer Aided Drafting Lab
963	201ES2L13	Basic Electrical Engineering Lab

S. No	Course Code	Name of the Course
964	201ES2L14	Python Programming Lab
965	201ES2T04	Python Programming
966	201ES2T05	Engineering Mechanics
967	201ES2T06	Engineering Mechanics
968	201ES2T07	Engineering Mechanics
969	201ES2T08	Programming for Problem Solving Using C
970	201ES2T09	Programming for Problem Solving Using C
971	201ES2T10	Basic Electrical Engineering
972	201ES2T11	Computer Organization
973	201ES2T13	Surveying
974	201ES2T14	Network Analysis
975	201ES3T15	Thermodynamics
976	201ES3T16	Metallurgy & Material Science
977	201ES3T17	Basic Mechanical Engineering
978	201ES4L15	Python Programming Lab
979	201ES4L16	Mechanical and Materials Science and Engineering Lab
980	201ES4L17	Soil Mechanics Lab
981	201ES4T18	Python Programming
982	201ES4T19	Linear Control Systems
983	201ES4T20	Mechanical and Materials Science and Engineering
984	201ES4T21	Soil Mechanics
985	201HS1L01	Communicative English Lab
986	201HS1T01	Communicative English
987	201HS2L02	Professional Communications Skills Lab
988	201HS4T02	Management Science
989	201HS4T03	Managerial Economics and Financial Analysis
990	201HS4T04	Industrial Engineering and Management
991	201HS4T06	Management and Organizational Behavior
992	201HS4T07	Entrepreneurship Development and Business Management
993	201MC1T01	Environmental Science
994	201MC2L01	Professional communications skills Lab
995	201MC2T02	Constitution of India
996	201MC3T03	Computer Organization and Operating Systems

S. No	Course Code	Name of the Course
997	201MC4T04	Data Structures
998	201ME3L01	Computer Aided Machine Drawing Lab
999	201ME3L02	Production Technology Lab
1000	201ME3L03	Fluid Mechanics and Hydraulic Machines Lab
1001	201ME3T01	Production Technology
1002	201ME3T02	Fluid Mechanics and Hydraulic Machines
1003	201ME3T15	Thermodynamics
1004	201ME3T16	Metallurgy and Material Science
1005	201ME4L04	Theory of Machines Lab
1006	201ME4L05	Mechanics of Solids & Metallurgy Lab
1007	201ME4L06	Thermal Engineering Lab
1008	201ME4T03	Mechanics of Solids
1009	201ME4T04	Theory of Machines-I
1010	201ME4T05	Thermal Engineering-I
1011	201MI3L01	Geology Lab
1012	201MI3L02	Basic Mechanical Engineering Lab
1013	201MI3L03	Mine Surveying Lab -I
1014	201MI3T01	Mining Geology
1015	201MI3T02	Mine Surveying
1016	201MI3T03	Development of Mineral Deposits
1017	201MI4L04	Rock Mechanics Lab
1018	201MI4L05	Mine Surveying Lab -II
1019	201MI4T04	Fundamentals of Rock Mechanics
1020	201MI4T05	Surface Mining
1021	201MI4T06	Underground Coal Mining Technology
1022	201PT3L01	Principles of Geology for Petroleum Engineers Lab
1023	201PT3L02	Fluid Mechanics for Petroleum Engineers Lab
1024	201PT3L03	Mathematical Methods Lab
1025	201PT3T01	Principles of Geology for Petroleum Engineers
1026	201PT3T02	Material Balance and Energy
1027	201PT3T03	Petroleum Exploration
1028	201PT3T04	Fluid Mechanics for Petroleum Engineers
1029	201PT4H01	Depositional Environments of Sedimentary Basins of India
1030	201PT4H02	Advanced Natural Gas Engineering

S. No	Course Code	Name of the Course
1031	201PT4L04	Heat Transfer Operations Lab
1032	201PT4L05	Petroleum Geology Lab
1033	201PT4M01	Fundamentals of Petroleum Industry
1034	201PT4M02	Fundamentals of Earth Science
1035	201PT4M03	Principles of Petroleum Geophysics
1036	201PT4T05	Petroleum Geology
1037	201PT4T06	Heat Transfer Operations
1038	201SC3L01	CAD Lab
1039	201SC3L03	Java Programming Lab
1040	201SC3L10	Skill oriented course -Industry Exploration Project
1041	201SC4L13	3D Modeling using Revit
1042	201SC4L14	IoT Applications of Electrical Engineering
1043	201SC4L15	Python Programming Lab
1044	201SC4L16	PCB Designing
1045	201SC4L17	Applications of Python Programming
1046	201SC4L18	Applications of python- pandas
1047	201SC4L19	Web application development using full stack frontend
1048	201SC4L20	Data Analytics for Mining using Python
1049	201SC4L21	Python Programming
1050	201SC4L22	Analysis/Simulation using MATLAB
1051	201SC4L23	Food Quality and Control
1052	201SO3L02	Design of Electrical Circuits using Engineering Software Tools
1053	201SO3L03	Java Programming Lab
1054	201SO3L04	Python Programming
1055	201SO3L05	Applications of python-numpy
1056	201SO3L06	web application development using full stack frontend
1057	201SO3L09	Geo-Statistics through SURPAC
1058	201SO3L10	Computer Aided Manufacturing
1059	201SO3L11	Computer Aided Design using SolidWorks
1060	203MC1L01	Operating Systems and Linux Lab
1061	203MC1L02	Data Structures Lab
1062	203MC1L03	JAVA Programming Lab
1063	203MC1P01	Socially Relevant Project using Design Thinking
1064	203MC1T01	Business Communication

S. No	Course Code	Name of the Course
1065	203MC1T02	Mathematical and Statistical Foundations
1066	203MC1T03	Computer Organization and Operating Systems
1067	203MC1T04	Data Structures
1068	203MC1T05	Object Oriented Programming with JAVA
1069	203MC2E01	No SQL Databases
1070	203MC2E02	Design and Analysis of Algorithms
1071	203MC2E03	Mobile Application Development
1072	203MC2E04	Artificial Intelligence
1073	203MC2E05	Accounting for Managers
1074	203MC2L04	DBMS Lab
1075	203MC2L05	Computer Networks Lab
1076	203MC2L06	Software Engineering and Design Patterns Lab
1077	203MC2S01	Bridge Course (Python Programming to be taken through MOOCs)
1078	203MC2T06	Database Management Systems
1079	203MC2T07	Computer Networks
1080	203MC2T08	Software Engineering and Design Patterns
1081	203MC2T09	Data Warehousing and Mining
1082	203MC2T10	Employability Skills
1083	203MC3E06	Soft Computing
1084	203MC3E07	Software Project Management
1085	203MC3E08	Cloud Computing
1086	203MC3E09	Cloud Computing
1087	203MC3E10	Cyber Security
1088	203MC3L07	Machine Learning with Python Lab
1089	203MC3L08	IoT Lab
1090	203MC3L09	Web Technologies Lab
1091	203MC3P02	Internship / Industry Oriented Mini Project/ Skill Development Course
1092	203MC3T11	Machine Learning with Python
1093	203MC3T12	Internet of Things
1094	203MC3T13	Web Technologies
1095	203MC3T14	Cryptography and Network Security
1096	203MC4E11	Digital Marketing
1097	203MC4E12	Human Resource Management
1098	203MC4E13	Deep Learning
1099	203MC4E14	Ad-hoc and Sensor Networks

S. No	Course Code	Name of the Course
1100	203MC4E15	Network Programming
1101	203MC4E16	Block Chain technologies
1102	203MC4E17	Software Testing Methodologies
1103	203MC4E18	Big Data Analytics
1104	203MC4P03	Project Work/ Dissertation
1105	203MC4S01	Full Stack Technologies
1106	203MC4S02	Data Science

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