



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

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 2020-2021

S. No	Course Code	Name of the Course
1	16IM1001	Major Project Report
2	16IM901	Intellectual Property Rights
3	16IM902	Corporate Governance
4	16IM903	Global HRM
5	16IM903A	Global HRM
6	16IM903B	Cyber Laws & Security
7	16IM903C	Promotion and Distribution Management
8	16IM903D	Global Financial Management
9	16IM904	Labor Welfare & Legislation
10	16IM904A	Risk Management
11	16IM904B	Labor Welfare & Legislation
12	16IM904C	Information Systems & Audit
13	16IM904D	Global Marketing Management
14	16IM905	Management of Industrial Relations
15	16IM905A	Retail Marketing
16	16IM905B	Tax Management
17	16IM905C	Management of Industrial Relations
18	16IM905D	SAP
19	171AG5E01	Agro Industries and Bi-Product Utilization
20	171AG5E02	Rural Water Supply, Sanitation and Environmental Engineering
21	171AG5L02	Agricultural Process Engineering Lab
22	171AG5L03	Field Operation and Maintenance of Tractors Lab
23	171AG5S01	MOOCs – I
24	171AG5T09	Theory of Structures
25	171AG5T10	Irrigation and Drainage Engineering
26	171AG5T11	Agricultural Process Engineering
27	171AG5T12	Agricultural Extension Techniques and Business Management
28	171AG5T13	Farm Power and Tractor Systems
29	171AG6E03	GIS and Remote Sensing
30	171AG6E04	Human Engineering and Safety
31	171AG6E05	Production Technology of Agricultural Machinery
32	171AG6E06	Green House / Poly House Technology

S. No	Course Code	Name of the Course
33	171AG6E07	Optimization, Operations Research and Systems Engineering
34	171AG6E08	Industrial Engineering and Management
35	171AG6L04	Farm Machinery Lab - I
36	171AG6L05	Soil and Water Engineering Lab
37	171AG6S02	MOOCs – II
38	171AG6T14	Soil and Water Conservation Engineering
39	171AG6T15	Farm Machinery and Equipment – I
40	171AG6T16	Design of Soil, Water Conservation and Farm Structures
41	171AG6T17	Post Harvest Engineering for Horticulture Produce
42	171AG7E09	Seed Processing and Storage Engineering
43	171AG7E10	Food Processing Plant Design and Layout
44	171AG7E11	Food Packaging Technology
45	171AG7E12	Aqua Cultural Engineering
46	171AG7E13	Soil Dynamics in Tillage and Traction
47	171AG7E14	Computational Fluid Dynamics
48	171AG7L06	Farm Machinery Lab – II
49	171AG7L07	Dairy and Food Engineering Lab
50	171AG7P01	Industry Oriented (Internship) Minor Project
51	171AG7T18	Micro Irrigation Engineering
52	171AG7T19	Farm Machinery and Equipment – II
53	171AG7T20	Dairy and Food Engineering
54	171AG8E15	Hydraulic Devices and Control
55	171AG8E16	Watershed Management
56	171AG8E17	Design of Agricultural Machinery
57	171AG8O01	Digital Control systems
58	171AG8O02	Industrial Pollution Control Engineering
59	171AG8O03	Mechatronics
60	171AG8O04	Water Resources Systems Planning and Management
61	171AG8O05	Image Processing Techniques
62	171AG8P02	Major Project
63	171CE5E01	Construction Technology and Management
64	171CE5E02	Urban Hydrology
65	171CE5E03	Traffic Engineering
66	171CE5L04	Engineering Geology Lab
67	171CE5L05	Transportation Engineering Lab
68	171CE5P03	Surveying Camp
69	171CE5S01	MOOCs – I
70	171CE5T10	Design and Drawing of Reinforced Concrete Structures
71	171CE5T11	Transportation Engineering

S. No	Course Code	Name of the Course
72	17ICE5T12	Structural Analysis - II
73	17ICE5T13	Water Resource Engineering - I
74	17ICE6E04	Ground Water Development
75	17ICE6E05	Pavement Analysis and Design
76	17ICE6E06	Repair and Rehabilitation of Structures
77	17ICE6E07	Ground Improvement Techniques
78	17ICE6E08	Finite Element Methods
79	17ICE6E09	Earthquake Resistant Design
80	17ICE6L06	Geotechnical Engineering Lab
81	17ICE6L07	Irrigation Design and Drawing
82	17ICE6S02	MOOCs - II
83	17ICE6T14	Design and Drawing of Steel Structures
84	17ICE6T15	Geotechnical Engineering - I
85	17ICE6T16	Water Resource Engineering - II
86	17ICE6T17	Prestressed Concrete
87	17ICE7E10	Advanced Structural Engineering
88	17ICE7E11	Watershed Management
89	17ICE7E12	Design of Tall Buildings
90	17ICE7E13	Bridge Engineering
91	17ICE7E14	Environmental Impact Assessment and Management
92	17ICE7E15	Water Resources Systems Planning
93	17ICE7L08	Environmental Engineering Lab
94	17ICE7L09	GIS And Computer Aided Design (CAD) Lab
95	17ICE7P01	Industry Oriented (Internship) Minor Project
96	17ICE7T18	Geotechnical Engineering - II
97	17ICE7T19	Environmental Engineering
98	17ICE7T20	Remote Sensing and GIS Applications
99	17ICE7T21	Estimation, Specifications and Contracts
100	17ICE8E16	Urban Transportation Planning Engineering
101	17ICE8E17	Soil Dynamics and Foundations
102	17ICE8E18	Solid And Hazardous Waste Management
103	17ICE8E19	Air Pollution and Control
104	17ICE8O01	OE Electronic Instrumentation
105	17ICE8O02	Database Management Systems
106	17ICE8O03	Alternative Energy Sources
107	17ICE8O04	Waste Water Management
108	17ICE8O05	Fundamentals of Liquefied Natural Gas
109	17ICE8O06	Green Fuel Technologies
110	17ICE8O07	Green Engineering Systems
111	17ICE8P02	Major Project

S. No	Course Code	Name of the Course
112	171CS5E01	Unix and Shell Programming
113	171CS5E02	Advanced Computer Architecture
114	171CS5E03	Computer Graphics
115	171CS5E04	Software Testing Methodologies
116	171CS5E14	Big Data Analytics
117	171CS5L05	Operating System and Linux Lab
118	171CS5L06	Python Programming Lab
119	171CS5L07	Software Testing Lab
120	171CS5L08	Compiler Design Lab
121	171CS5S01	MOOCs – I
122	171CS5T11	Compiler Design
123	171CS5T12	Python Programming
124	171CS5T13	Design and Analysis of Algorithms
125	171CS5T14	Operating Systems
126	171CS6E05	Software Quality Assurance
127	171CS6E06	Bio Informatics
128	171CS6E07	Human Computer Interaction
129	171CS6E08	Social Networks and Semantic Web
130	171CS6E09	Pattern Recognition
131	171CS6E10	Parallel Computing
132	171CS6E11	Storage Area Networks
133	171CS6E12	E - Commerce
134	171CS6L09	Computer Networks Lab
135	171CS6L10	Data Ware Housing and Data Mining Lab
136	171CS6L11	Web Technologies Lab
137	171CS6S02	MOOCs – II
138	171CS6T15	Computer Networks
139	171CS6T16	Web Technologies
140	171CS6T17	Data Ware Housing and Data Mining
141	171CS7E13	Software Project Management
142	171CS7E15	Image Processing
143	171CS7E16	Cyber Laws
144	171CS7E17	Middleware Technologies
145	171CS7E18	Artificial Intelligence and Machine Learning
146	171CS7E19	Information Retrieval Systems
147	171CS7E20	Mobile Computing
148	171CS7L12	UML and Design Patterns Lab
149	171CS7L13	Big Data Analytics Lab
150	171CS7P01	Industry Oriented (Internship) Minor Project
151	171CS7T18	Cryptography and Network Security
152	171CS7T19	UML and Design Patterns

S. No	Course Code	Name of the Course
153	171CS7T20	Cloud Computing
154	171CS8E21	Agile Methodologies
155	171CS8E22	Cyber Security
156	171CS8E23	Distributed Databases
157	171CS8E24	Distributed Systems
158	171CS8O01	Microprocessor and Multi Core Systems
159	171CS8O02	Embedded Systems
160	171CS8O03	Soft Computing
161	171CS8O04	Operations Research
162	171CS8O05	Optical Communications
163	171CS8O06	Renewable Energy sources
164	171CS8O07	Nano Technology and its Applications
165	171CS8P02	Project Work
166	171EC5E01	Computer Architecture and Organization
167	171EC5E02	OOPS through JAVA
168	171EC5E03	Electronic Switching Systems
169	171EC5L04	Linear IC Applications Lab
170	171EC5L05	Digital IC Applications Lab
171	171EC5L06	Pulse and Digital Circuits Lab
172	171EC5S01	MOOCs-I
173	171EC5T09	Linear IC Applications
174	171EC5T10	Digital IC Applications
175	171EC5T11	Digital Communications
176	171EC5T12	Antennas and Wave Propagation
177	171EC6E04	CPLD and FPGA Architectures
178	171EC6E05	Operating Systems
179	171EC6E06	Computer Networks
180	171EC6E07	Digital Design Through Verilog
181	171EC6E08	Biomedical Engineering
182	171EC6E09	Information Theory and Coding
183	171EC6L07	Micro Processor and Micro Controllers Lab
184	171EC6L08	VLSI lab
185	171EC6L09	Digital Communications Lab
186	171EC6S02	MOOCs-II
187	171EC6T13	Micro Processors and MicroControllers
188	171EC6T14	VLSI Design
189	171EC6T15	Digital Signal Processing
190	171EC7E10	Digital Signal Processors
191	171EC7E11	Embedded Systems
192	171EC7E12	Cellular and Mobile Communications
193	171EC7E13	Analog IC Design

S. No	Course Code	Name of the Course
194	171EC7E14	Cryptography and Network Security
195	171EC7E15	Radar Systems
196	171EC7L10	Microwave Engineering and Optical Communications Lab
197	171EC7L11	Digital Signal and Image Processing Lab
198	171EC7P01	Industry Oriented (Internship) Minor Project
199	171EC7T16	Microwave Engineering
200	171EC7T17	Digital Image Processing
201	171EC7T18	Electronic Measurements And Instrumentation
202	171EC7T19	Optical Communications
203	171EC8E16	Mixed Signal IC Design
204	171EC8E17	Wireless Sensors and Networks
205	171EC8E18	Satellite Communications
206	171EC8O01	Basic Concrete Technology
207	171EC8O02	Disaster Management
208	171EC8O03	Neural Networks
209	171EC8O04	Web Technologies
210	171EC8P02	Major Project
211	171EE5E01	Renewable Energy Sources
212	171EE5E02	Modeling and Analysis of Electrical Machines
213	171EE5E03	Electrical Safety
214	171EE5L04	Electrical Measurements Lab
215	171EE5L05	Electrical Machines - II Lab
216	171EE5L06	Control Systems Lab
217	171EE5S01	MOOCs - I
218	171EE5T10	Power Systems – II
219	171EE5T11	Power Electronics
220	171EE5T12	Pulse and Digital Circuits
221	171EE5T13	Signals and Systems
222	171EE6E04	Computer Architecture
223	171EE6E05	Electrical Distribution Systems
224	171EE6E06	Distributed Generation and Microgrid
225	171EE6E07	Advanced Control Systems
226	171EE6E08	PLC and Applications
227	171EE6E09	Instrumentation
228	171EE6E10	OOPs through JAVA
229	171EE6L07	Data Structures Lab
230	171EE6L08	Power Electronics Lab
231	171EE6S02	MOOCs - II
232	171EE6T14	Power Electronic Controllers and Drives
233	171EE6T15	Power System Analysis

S. No	Course Code	Name of the Course
234	171EE6T16	Micro Processor and Micro Controllers
235	171EE6T17	Data Structures
236	171EE7E11	Optimization Techniques
237	171EE7E12	Digital Signal Processing
238	171EE7E13	Special Electrical Machines
239	171EE7E14	High Voltage Engineering
240	171EE7E15	Electric Power Quality
241	171EE7E16	EHVAC Transmission
242	171EE7L09	Power Systems Simulation Lab
243	171EE7L10	Micro Processor and Micro Controllers Lab
244	171EE7P01	Industry Oriented (Internship) Minor Project
245	171EE7T18	Utilization of Electrical Energy
246	171EE7T19	Linear and Digital IC Applications
247	171EE7T20	Power System Operation and Control
248	171EE7T21	Switch Gear and Protection
249	171EE8E17	HVDC Transmission
250	171EE8E18	Flexible AC Transmission Systems
251	171EE8E19	Power System Reforms
252	171EE8E20	Digital Control Systems
253	171EE8O01	Energy Audit, Conservation and Management
254	171EE8O02	VLSI Design
255	171EE8O03	Unix and Shell Programming
256	171EE8O04	Neural Networks And Fuzzy Logic
257	171EE8O05	Robotics
258	171EE8O06	Vehicular Electric Power Systems
259	171EE8O07	Internet of Things
260	171EE8O08	Cyber Security
261	171EE8P02	Major Project
262	171ES7L16	Mechanical Engineering Lab
263	171ES7T26	Mechanical Measurements and Instrumentation
264	171HS5E01	Managerial Economics and Financial Analysis
265	171HS5T04	Managerial Economics and Financial Analysis
266	171HS5T05	Management Science
267	171HS5T06	Employability Skills - III
268	171HS5T08	Intellectual Property Rights and Patents
269	171HS6T07	Employability skills - IV
270	171HS7A04	Managerial Economics and Financial Analysis
271	171HS7T05	Management Science
272	171IT5E01	Artificial Intelligence

S. No	Course Code	Name of the Course
273	171IT5L01	Operating Systems and Computer Networks Lab
274	171IT5L02	Unix and Shell Programming Lab
275	171IT5S01	MOOCs – I
276	171IT5T02	Computer Networks
277	171IT5T03	Unix and Shell Programming
278	171IT6E02	Neural Networks
279	171IT6E03	Design and Analysis of Algorithms
280	171IT6E04	Advanced Computer Networks
281	171IT6E05	Multimedia Programming
282	171IT6L03	Unified Modeling Language Lab
283	171IT6S02	MOOCs – II
284	171IT6T04	Object Oriented Analysis and Design Using UML
285	171IT7E06	Machine Learning
286	171IT7E07	Human Computer Interaction
287	171IT7E08	Distributed Systems
288	171IT7E09	Decision Support System
289	171IT7L04	Mobile Computing Lab
290	171IT7P01	Industry Oriented (Internship) Minor Project
291	171IT7T05	Big Data Analytics
292	171IT7T06	Mobile Computing
293	171IT8E10	Pattern Recognition
294	171IT8O01	Management Information System
295	171IT8O02	Computer Vision
296	171IT8P02	Major Project
297	171ME5E01	Automobile Engineering
298	171ME5E02	Mechanical Vibrations
299	171ME5E03	Additive Manufacturing
300	171ME5L02	Theory of Machines Lab
301	171ME5L03	Thermal Engineering Lab
302	171ME5S01	MOOCs-I
303	171ME5T08	Dynamics of Machinery
304	171ME5T09	Metal Cutting and Machine Tools
305	171ME5T10	Thermal Engineering -II
306	171ME5T11	Design of Machine members-II
307	171ME5T12	Operations Research
308	171ME6E04	Robotics
309	171ME6E05	Design for Manufacturing
310	171ME6E06	Non Destructive Evaluation
311	171ME6E07	Unconventional Machining Processes
312	171ME6E08	Industrial Hydraulics and Pneumatics

S. No	Course Code	Name of the Course
313	171ME6E09	Quality andReliability Engineering
314	171ME6L04	Machine Tools Lab
315	171ME6L05	Heat Transfer Lab
316	171ME6L06	Metrology and Instrumentation Lab
317	171ME6S02	MOOCS-II
318	171ME6T13	Heat Transfer
319	171ME6T14	Refrigeration and Air Conditioning
320	171ME6T15	Metrology and Instrumentation
321	171ME7E10	Computational Fluid Dynamics
322	171ME7E11	Green Engineering Systems
323	171ME7E12	Nano Materials and Technology
324	171ME7E13	Gas Dynamics
325	171ME7E14	Condition Monitoring
326	171ME7E15	Flexible Manufacturing Systems
327	171ME7L07	CAD/CFD Lab
328	171ME7L08	CAM/Mechatronics Lab
329	171ME7P01	Industry Oriented(Internship) Mini Project
330	171ME7T16	CAD/CAM
331	171ME7T17	Mechatronics
332	171ME7T18	Finite Element Methods
333	171ME7T19	Power Plant Engineering
334	171ME8E16	Production Planning and Control
335	171ME8E17	Advanced Materials
336	171ME8E18	Thermal Equipment Design
337	171ME8O01	Java Programming
338	171ME8O02	Electrical Safety Management
339	171ME8O03	Nueral Networks and Fuzzy Logic
340	171ME8O04	Data Base Management Systems
341	171ME8O05	Enterprenuer Resource Planning
342	171ME8O06	Computer Graphics
343	171ME8P02	Major Project
344	171MI5E01	Maintenance and Reliability Engineering
345	171MI5E02	Mine Construction and Management
346	171MI5E03	Industrial Management and Labor Relations
347	171MI5L03	Rock Mechanics Lab
348	171MI5L04	Mine Surveying Lab
349	171MI5T09	Under Ground Coal Mining Technology
350	171MI5T10	Mine Environment Engineering - I
351	171MI5T11	Basic Geo Mechanics
352	171MI5T12	Mine Surveying - II
353	171MI6E04	Advanced Geo Mechanics

S. No	Course Code	Name of the Course
354	171MI6E05	Mine Fire and Spontaneous
355	171MI6E06	Mineral Exploration
356	171MI6E07	Advance Surveying Technology
357	171MI6E08	Mine Subsidence Engineering
358	171MI6E09	Rock Fragmentation Engineering
359	171MI6L05	Mineral Processing Technology Lab
360	171MI6L06	Environmental Engineering Lab
361	171MI6T13	Under Ground Metal Mining Technology
362	171MI6T14	Mineral Processing Technology
363	171MI6T15	Mine Environment Engineering - II
364	171MI6T16	Mining Machinery
365	171MI7E10	Planning of UGMM Project
366	171MI7E11	Planning of UGCM Project
367	171MI7E12	Planning of Surface Mining Project
368	171MI7E13	Mine mechanization
369	171MI7E14	Advance Underground Coal Mining Technology
370	171MI7E15	Mine Blasting operation
371	171MI7L07	Mine Planning and Design Lab
372	171MI7P01	Industry Oriented (Internship) Minor Project
373	171MI7T17	Mine Economics
374	171MI7T18	Mine Health and Safety Engineering
375	171MI7T19	Mine Legislation and General Safety
376	171MI7T20	Mine Management
377	171MI8E16	Mine Systems Engineering
378	171MI8E17	Advance Surface Mining Technology
379	171MI8E18	Advanced Underground Metal Mining Technology
380	171MI8O01	Environmental Impact Assessment
381	171MI8O02	Mine Closure and Reclamation
382	171MI8O03	Fundamentals of Communication
383	171MI8O04	Remote Sensing and GIS
384	171MI8O05	Quantitative Decision Making
385	171MI8P02	Major Project
386	171PT5E01	Well Engineering and Design
387	171PT5E02	Fundamentals of Liquefied Natural Gas
388	171PT5E03	Pipeline Engineering
389	171PT5L03	Instrumentation, Process Dynamics and Control Lab
390	171PT5L04	Drilling Fluids Lab
391	171PT5T06	Process Dynamics and Control
392	171PT5T07	Petroleum Exploration
393	171PT5T08	Process Instrumentation

S. No	Course Code	Name of the Course
394	171PT5T09	Well Logging and Formation Evaluation
395	171PT5T10	Drilling Technology
396	171PT6E04	Petroleum Refining and Petrochemical Engineering
397	171PT6E05	Storage and Transportation of Crude Oil and Natural Gas.
398	171PT6E06	Reservoir Stimulation
399	171PT6E07	Natural Gas Hydrates
400	171PT6E08	Natural Gas Engineering
401	171PT6E09	Horizontal Well Technology
402	171PT6L05	Petroleum Analysis Lab
403	171PT6L06	Petroleum Réservoir Simulation Lab
404	171PT6T11	Well Completions, Testing and Services
405	171PT6T12	Petroleum Production Engineering
406	171PT6T13	Petroleum Reservoir Engineering - I
407	171PT6T14	Surface Production Operations
408	171PT7E10	Coal Bed Methane
409	171PT7E11	Offshore Engineering
410	171PT7E12	Petroleum Corrosion Technology
411	171PT7E13	Shale Gas Reservoir Engineering
412	171PT7E14	Subsea Engineering
413	171PT7E15	Reservoir Modeling and Simulation
414	171PT7L07	Petroleum Equipment Design and Simulation Lab
415	171PT7L08	Petroleum Reservoir Engineering Lab
416	171PT7P01	Industry Oriented (Internship) Minor Project
417	171PT7T15	Integrated Asset Management and Petroleum Economics
418	171PT7T16	Petroleum Reservoir Engineering - II
419	171PT7T17	IOR and EOR Techniques
420	171PT7T18	Oil and Gas Processing Plant Design
421	171PT8E16	HSE and FE in Petroleum Industry
422	171PT8E17	Reliability and Risk Management in Petroleum Operations
423	171PT8E18	Deep Sea Production Systems
424	171PT8O01	Green Technologies
425	171PT8O02	Non-Conventional Sources of Energy
426	171PT8O03	Alternative Energy Sources for Automobiles
427	171PT8O04	Waste Water Treatment
428	171PT8O05	Computational Fluid Dynamics
429	171PT8O06	Process Intensification in Petroleum Industry
430	171PT8P02	Major Project
431	173MC1L13	Big Data Analytics Lab
432	173MC1L14	Network Programming Lab

S. No	Course Code	Name of the Course
433	173MC1L15	Python Programming Lab
434	173MC1T19	Big Data Analytics
435	173MC1T20	Network Programming
436	173MC1T21	Python Programming
437	173MC3L07	Data Base Management Systems Lab
438	173MC3L08	Unix Programming Lab
439	173MC3L09	Computer Networks Lab
440	173MC3T11	Data Base Management Systems
441	173MC3T12	Computer Networks
442	173MC3T13	Unix Programming
443	173MC3T14	Management Information System
444	173MC3T15	Design And Analysis Of Algorithms
445	173MC4E01	Mobile Computing
446	173MC4E02	Human Computer Interaction
447	173MC4E03	Cloud Computing
448	173MC4E04	Software Project Management
449	173MC4E05	Artificial Intelligence
450	173MC4E06	Embedded Systems
451	173MC4E07	Cyber Security
452	173MC4E08	Computer Forensics
453	173MC4E09	E-Commerce
454	173MC4E10	Internet Of Things
455	173MC4E11	Multimedia Application Development
456	173MC4E12	Software Testing Methodologies
457	173MC4L10	Advanced Java & Web Technologies Lab
458	173MC4L11	Data Warehousing And Mining Lab
459	173MC4L12	Object Oriented Analysis And Design Lab
460	173MC4T16	Object Oriented Analysis And Design
461	173MC4T17	Advanced Java & Web Technologies
462	173MC4T18	Data Warehousing And Mining
463	173MC5E07	Cyber Security
464	173MC5E08	Computer Forensics
465	173MC5E09	E-Commerce
466	173MC5E10	Internet Of Things
467	173MC5E11	Multimedia Application Development
468	173MC5E12	Software Testing Methodologies
469	173MC5L13	Big Data Analytics Lab
470	173MC5L14	Network Programming Lab
471	173MC5L15	Python Programming Lab
472	173MC5T19	Big Data Analytics
473	173MC5T20	Network Programming

S. No	Course Code	Name of the Course
474	173MC5T21	Python Programming
475	173MC6P01	Dissertation/ Thesis
476	173MC6R01	Project Seminar
477	175FI7E01	Security Analysis
478	175FI7E02	Banking and Insurance Management
479	175FI7E03	Advanced Management Accounting
480	175FI8E04	Strategic Financial Management
481	175FI8E05	Portfolio Management
482	175FI8E06	Financial Markets and Services
483	175HR7E01	Human Resource Planning
484	175HR7E02	Leadership Management
485	175HR7E03	Compensation and Reward Management
486	175HR8E04	Performance Management
487	175HR8E05	Strategic Human Resource Management
488	175HR8E06	Organizational Development & Change
489	175IM5T21	Financial Management
490	175IM5T22	Marketing Management
491	175IM5T23	Human Resource Management
492	175IM5T24	Production & Operations Management
493	175IM5T25	Research Methodology
494	175IM6P01	Minor Project
495	175IM6T26	Operations Research
496	175IM6T27	International Business
497	175IM6T28	Strategic Management
498	175IM6T29	Decision Support Systems
499	175IM7T30	Knowledge Management
500	175IM7T31	Strategic Cost Management
501	175IM8T32	Total Quality Management
502	175IM8T33	Project Management
503	175IMAP02	Major Project
504	175MA7E01	Consumer Behavior
505	175MA7E02	Rural Marketing
506	175MA7E03	Supply Chain Management
507	175MA8E04	Customer Relationship Management
508	175MA8E05	Strategic Marketing Management
509	175MA8E06	Services Marketing
510	175SY7E01	E-Business
511	175SY7E02	Relational Database Management Systems
512	175SY7E03	Web Designing
513	175SY8E04	System Analysis & Design
514	175SY8E05	Business Intelligence

S. No	Course Code	Name of the Course
515	175SY8E06	Enterprise Resource Planning
516	191AG3L01	Principles of Agronomy and Soil Science Lab
517	191AG3L02	Fluid Mechanics and Open Channel Hydraulics Lab
518	191AG3L03	Surveying and Leveling Lab
519	191AG3T01	Principles of Agronomy and Soil Science
520	191AG3T02	Fluid Mechanics and Open Channel Hydraulics
521	191AG3T03	Surveying and Leveling
522	191AG4L04	Ground Water Hydrology Lab
523	191AG4L05	Farm Power and Tractor Systems Lab
524	191AG4L06	Heat and Mass Transfer lab
525	191AG4T04	Thermodynamics and Refrigeration System
526	191AG4T05	Farm Power and Tractor Systems
527	191AG4T06	Ground Water Hydrology
528	191AG4T07	Heat and Mass Transfer
529	191AG4T08	Surface Water Hydrology
530	191BS3T11	Integral transforms and applications of Partial Differential Equations
531	191BS3T12	Transform Techniques
532	191BS3T13	Numerical Methods and Vector Calculus
533	191BS3T14	Discrete Mathematics
534	191BS3T15	Numerical Methods and Integral Transforms
535	191BS4T16	Numerical methods and Statistical Techniques
536	191BS4T17	Numerical methods and Complex Variables
537	191BS4T18	Probability and Statistics
538	191BS4T19	Complex Variables and Statistical Methods
539	191CE3L01	Surveying lab
540	191CE3L02	Strength of materials lab
541	191CE3T01	Strength of materials – I
542	191CE3T02	Fluid mechanics
543	191CE3T03	Surveying
544	191CE3T04	Computer aided civil engineering drawing
545	191CE4L03	Fluid mechanics and hydraulic Machinery lab
546	191CE4L04	Construction materials and concrete technology lab
547	191CE4T05	Structural analysis
548	191CE4T06	Construction materials and concrete technology
549	191CE4T07	Strength of materials – II
550	191CE4T08	Hydraulics and hydraulic machinery
551	191CS3L01	Object Oriented Programming through Java Lab

S. No	Course Code	Name of the Course
552	191CS3L02	Advanced Data Structures Lab
553	191CS3T01	Software Engineering
554	191CS3T02	Object Oriented Programming through Java
555	191CS3T03	Advanced Data Structures
556	191CS4L03	Python Programming Lab
557	191CS4T04	Formal Languages and Automata Theory
558	191CS4T05	Python Programming
559	191CS4T06	Design and Analysis of Algorithms
560	191CS4T07	Computer Organization
561	191EC3L01	Electronic Devices and Circuits Lab
562	191EC3T01	Electronic Devices and Circuits
563	191EC3T02	Digital Electronics and Logic Design
564	191EC3T03	Signals and Systems
565	191EC4L02	Analog Electronic Circuits – Lab
566	191EC4L03	Microprocessors and Micro Controllers Lab
567	191EC4L04	Analog Communications, Lab
568	191EC4T04	Analog Electronic Circuits
569	191EC4T05	Electromagnetic Waves and Transmission Lines
570	191EC4T06	Microprocessors and Micro Controllers
571	191EC4T07	Analog Communications
572	191EE3L01	Electrical Circuits Lab
573	191EE3T02	Analog Electronic Circuits
574	191EE3T03	Electrical Circuit Analysis-II
575	191EE3T04	Electrical Machines-I
576	191EE3T05	Electromagnetic Fields
577	191EE4L02	Electrical Machines –I Lab
578	191EE4L03	Analog Electronic Circuits Lab
579	191EE4T06	Digital Circuits and Logic Design
580	191EE4T07	Electrical Machines-II
581	191EE4T08	Control Systems
582	191EE4T09	Power Systems-I
583	191ES3L15	Python programming Lab
584	191ES3L16	Digital Electronics and Logic Design Lab
585	191ES3T10	Internet of Things
586	191ES3T11	Python programming
587	191ES3T12	Random Variables and Stochastic Processes
588	191ES3T13	Digital Logic Design
589	191ES3T14	Basic Mechanical Engineering
590	191ES4L17	Internet of Things Lab
591	191ES4L18	Mine Surveying Lab
592	191ES4T15	Internet of Things

S. No	Course Code	Name of the Course
593	19IES4T16	Data Structures
594	19IES4T17	Control Systems
595	191HS3T02	Managerial economics and Financial analysis
596	191HS4T03	Management science
597	191HS4T04	Managerial Economics and Financial Analysis
598	191IT4T01	Theory of Computation
599	191MC3A03	Employability Skills – I
600	191MC3A04	Essence of Indian Traditional Knowledge
601	191MC4A05	Employability Skills – II
602	191MC4A06	Biology for Engineers
603	191ME3L01	Fluid Mechanics and Hydraulic Machines Lab
604	191ME3L02	Mechanics of Solids and Metallurgy Lab
605	191ME3T01	Fluid Mechanics and Hydraulic Machinery
606	191ME3T02	Computer Aided Engineering Drawing Practice
607	191ME3T03	Mechanics of Solids
608	191ME3T04	Thermodynamics
609	191ME3T05	Metallurgy and Material Science
610	191ME4L03	Production Technology Lab
611	191ME4L04	Computer Aided Machine Drawing
612	191ME4T06	Production Technology
613	191ME4T07	Kinematics of Machinery
614	191ME4T08	Thermal Engineering-I
615	191MI3L01	Geology Lab
616	191MI3L02	Basic Mechanical Engineering Lab
617	191MI3T01	Mining Geology
618	191MI3T02	Mine Surveying-I
619	191MI3T03	Development of Mineral Deposits
620	191MI4L03	Rock Mechanics Lab
621	191MI4T04	Mine Surveying-II
622	191MI4T05	Surface Mining
623	191MI4T06	Underground Coal Mining Technology
624	191MI4T07	Fundamentals of Rock Mechanics
625	191MI4T08	Geo-statistics
626	191PT3L01	Mechanical and Material Science Lab
627	191PT3L02	Geology Lab
628	191PT3T01	Petroleum Exploration
629	191PT3T02	Geology and Sedimentology
630	191PT3T03	Chemical Process Calculations
631	191PT3T04	Mechanical and Materials Science and Engineering

S. No	Course Code	Name of the Course
632	191PT4L03	Process Heat Transfer Lab
633	191PT4L04	Momentum Transfer Lab
634	191PT4T05	Process Heat Transfer
635	191PT4T06	Momentum Transfer
636	191PT4T07	Petroleum Geology
637	1925T1E01	Matrix Analysis of Structures
638	1925T1E02	Analytical & Numerical Method for Structural Engineering
639	1925T1E03	Design of RCC Foundations
640	1925T1E04	Bridge Engineering
641	1925T1E05	Repair & Rehabilitation of Structures
642	1925T1E06	Advanced Reinforced Concrete Design
643	1925T1L01	Advanced Concrete Technology Laboratory
644	1925T1L02	Advanced Structural Engineering Laboratory
645	1925T2E07	Stability of Structures
646	1925T2E08	Advanced Steel Design
647	1925T2E09	Analysis of offshore Structures
648	1925T2E10	Earthquake Resistant Design of Buildings
649	1925T2E11	Precast and Prefabricated Structures
650	1925T2E12	Earth Retaining Structures
651	192CS1E01	Big Data Analytics
652	192CS1E02	Digital Image Processing
653	192CS1E03	Advanced Operating Systems
654	192CS1E04	Advanced Computer Networks
655	192CS1E05	Internet of Things
656	192CS1E06	Object Oriented Software Engineering
657	192CS1L01	Advanced Data Structures and Algorithms Lab
658	192CS1L02	Advanced Computing Lab
659	192CS1T01	Mathematical Foundations of Computer Science
660	192CS1T02	Advanced Data Structures and Algorithms
661	192CS2E07	Advanced Databases and Mining
662	192CS2E08	Ad Hoc and Sensor Networks
663	192CS2E09	Soft Computing
664	192CS2E10	Cloud Computing
665	192CS2E11	Principles of computer security
666	192CS2E12	High Performance Computing
667	192CS2L03	Machine Learning with Python lab
668	192CS2L04	MEAN Stack Technologies Lab
669	192CS2P01	Mini Project with Seminar
670	192CS2T03	Machine learning
671	192CS2T04	MEAN Stack Technologies

S. No	Course Code	Name of the Course
672	192CS3E13	Deep Learning
673	192CS3E14	Social Network Analysis
674	192CS3O01	Python Programming
675	192CS3O02	Principles of Cyber Security
676	192CS3O03	Internet of Things
677	192CS3O04	Machine Learning
678	192CS3O05	Artificial Intelligence
679	192CS3O06	Deep Learning
680	192CS3P02	Dissertation-I/ Industrial Project
681	192CS4P03	Dissertation-II
682	192EM2E11	Network Security and Cryptography
683	192EM3E13	IOT and its Applications
684	192EM3E14	Hardware Software co-design
685	192EM3E15	Artificial Intelligence
686	192ES3O01	Embedded System Design
687	192ES3O02	Digital System Design
688	192ES3O03	Programming Languages for Embedded Systems
689	192ES3O04	Sensors and Actuators
690	192HS1T01	Research Methodology and IPR
691	192MC1A01	English for research paper writing
692	192MC1A02	Disaster Management
693	192MC1A03	Sanskrit for technical knowledge
694	192MC1A04	Value education
695	192MC1A05	Constitution of india
696	192MC1A06	Pedagogystudies
697	192MC1A07	Stress management by YOGA
698	192MC1A08	Personality development through life enlightenment skills
699	192MC1A09	Soft skills
700	192MC2A01	English for research paper writing
701	192MC2A02	Disaster Management
702	192MC2A03	Sanskrit for technical knowledge
703	192MC2A04	Value education
704	192MC2A05	Constitution of india
705	192MC2A06	Pedagogystudies
706	192MC2A07	Stress management by YOGA
707	192MC2A08	Personality development through life enlightenment skills
708	192MC2A09	Soft skills
709	192PD1E01	Modern Control Theory
710	192PD1E02	Power Quality and Custom Power Devices

S. No	Course Code	Name of the Course
711	192PD1E03	Programmable Logic Controllers & Applications
712	192PD1E04	Artificial Intelligence Techniques
713	192PD1E05	Renewable Energy Technologies
714	192PD1E06	HVDC Transmission and Flexible AC Transmission Systems
715	192PD1L01	Power Electronics Simulation Laboratory
716	192PD1L02	Power Converters Laboratory
717	192PD1T01	Electrical Machine Modeling and Analysis
718	192PD1T02	Analysis of Power Electronic Converters
719	192PD2E07	Control & Integration of Renewable Energy Systems
720	192PD2E08	Hybrid Electric Vehicles
721	192PD2E09	Digital Control Systems
722	192PD2E10	Advanced Digital Signal Processing
723	192PD2E11	Applications of Power Converters
724	192PD2E12	Microcontrollers
725	192PD2L03	Electric Drives Simulation Laboratory
726	192PD2L04	Electric Drives Laboratory
727	192PD2P01	Mini Project with Seminar
728	192PD2T03	Switched Mode Power Conversion
729	192PD2T04	Power Electronic Control of Electrical Drives
730	192PD3E13	Digital Signal Processing Controlled Drives
731	192PD3E14	Smart Grid Technologies
732	192PD3E15	Modeling and Simulation of Power Electronic Systems
733	192PD3O01	Renewable Energy Technologies
734	192PD3O02	Hybrid Electric Vehicles
735	192PD3O03	Energy Audit and conservation Management
736	192PD3O04	Neural Networks and Fuzzy Logic
737	192PD3O05	Industrial Safety
738	192PD3O06	Composite Materials
739	192PD3P02	Dissertation I/Industrial Project
740	192PD4P03	Dissertation II
741	192PE1E01	Advanced Numerical Methods and Applied Statistics
742	192PE1E02	CBM and Shale Gas Engineering
743	192PE1E03	Transportation of Oil and Gas
744	192PE1E04	Advanced Well Logging Techniques and Well Testing Analysis
745	192PE1L01	Advanced Numerical Methods and
746	192PE1L02	Drilling Simulation Laboratory
747	192PE1T01	Offshore Drilling.

S. No	Course Code	Name of the Course
748	192PE1T02	Fundamentals of Petroleum Geology and Reservoir Engineering
749	192PE1T03	Reservoir Stimulation
750	192PE1T04	Petroleum Well Drilling and Production Engineering
751	192PE2E05	Advanced EOR Techniques
752	192PE2E06	Advanced Well Completions
753	192PE2E07	Flow Assurance
754	192PE2E08	Advanced Horizontal Well Technology
755	192PE2L03	Reservoir Simulation Laboratory
756	192PE2L04	Flow Assurance Laboratory
757	192PE2P01	Mini Project with Seminar
758	192PE2T05	Artificial Lift Techniques
759	192PE2T06	Reservoir Modeling and Simulation
760	192PE3O01	Introduction to Petroleum Engineering
761	192PE3O02	Process Intensification
762	192PE3O03	Fundamentals of Liquefied Natural Gas
763	192PE3O04	Subsea Engineering
764	192PE3O05	Geology
765	192PE3O06	HSE in Petroleum Industry
766	192PE3P02	Dissertation-I/ Industrial Project
767	192PE4P03	Dissertation-II
768	192SO3E14	User Interface Design
769	192SO3O01	Artificial Intelligence
770	192ST1T01	Theory of Elasticity
771	192ST1T02	Structural dynamics
772	192ST1T03	Advanced Concrete Technology
773	192ST2L03	Computer Aided Design Laboratory
774	192ST2L04	Structural Design Laboratory
775	192ST2P01	Mini Project With Seminar
776	192ST2T04	Finite Element Methods in Structural Engineering
777	192ST2T05	Theory of Plates and Shells
778	192ST3E13	Design of Prestressed Concrete Structures
779	192ST3E14	Structural Health Monitoring
780	192ST3E15	Industrial Structures
781	192ST3O01	Repair and Rehabilitation of Structures
782	192ST3O02	Green Building Systems
783	192ST3O03	Basic Concrete Technology
784	192ST3O04	Basic Foundation Engineering
785	192ST3P02	Dissertation-I/ Industrial Project
786	192ST4P03	Dissertation-II
787	192STMOOC1	MOOCS-I

S. No	Course Code	Name of the Course
788	192TE1E01	Advanced IC Engines, Electric and Hybrid vehicles
789	192TE1E02	Gas Dynamics
790	192TE1E03	Cryogenic Engineering
791	192TE1E04	Advanced Thermodynamics
792	192TE1E05	Gas Turbines
793	192TE1E06	Alternative Fuel Technologies
794	192TE1E07	Energy Conservation and Management
795	192TE1E08	Theory and Technology of Fuel Cells
796	192TE1L01	Computational Fluid Dynamics Lab-I
797	192TE1T01	Advanced Fluid Mechanics
798	192TE1T02	Computational Fluid Dynamics
799	192TE2E09	Equipment Design for Thermal Systems
800	192TE2E10	Solar Energy Technologies
801	192TE2E11	Advanced Power Plant Engineering
802	192TE2E12	Combustion, Emissions and Environment
803	192TE2E13	Jet propulsion and Rocket Engineering
804	192TE2E14	Automotive Engineering
805	192TE2E15	Modeling and I.C.Engines
806	192TE2E16	Renewable Energy Technologies
807	192TE2L03	Computational Fluid Dynamics Lab-II
808	192TE2L04	Thermal Engineering Lab -II
809	192TE2P01	Mini Project with Seminar
810	192TE2T03	Advanced Heat Transfer
811	192TE2T04	Thermal Measurements and Process Controls
812	192TE3E17	Optimization Techniques and Applications
813	192TE3E18	Design and Analysis of Experiments
814	192TE3E19	Convective Heat Transfer
815	192TE3E20	Waste to Energy
816	192TE3O01	Energy Systems
817	192TE3O02	Fuels and Combustion
818	192TE3O03	Green Engineering Technology
819	192TE3O04	IC Engines
820	192TE3O05	Automotive Technology
821	192TE3P02	Dissertation I/ Industrial Project
822	192TE4P03	Dissertation II
823	192VD1E01	VLSI Technology
824	192VD1E02	Nano materials and Nanotechnology
825	192VD1E03	MEMS Technology
826	192VD1E04	Device Modelling
827	192VD1E05	Nano-Electronics

S. No	Course Code	Name of the Course
828	192VD1E06	Photonics
829	192VD1L01	CMOS Analog IC Design Lab
830	192VD1L02	CMOS Digital IC Design Lab
831	192VD1T01	CMOS Analog IC Design
832	192VD1T02	CMOS Digital IC Design
833	192VD2E07	Design For Testability
834	192VD2E08	IoT and Its Applications
835	192VD2E09	VLSI Signal Processing
836	192VD2E10	Microcontrollers and programmable Digital Signal Processors
837	192VD2E11	Low Power VLSI Design
838	192VD2L03	Mixed Signal IC Design Lab
839	192VD2L04	Physical Design Automation Lab
840	192VD2P01	Mini Project with Seminar
841	192VD2T03	Mixed Signal and RF IC Design
842	192VD2T04	Physical Design Automation
843	192VD3E12	Scripting Languages for VLSI
844	192VD3E13	Digital System Design and Verification
845	192VD3O01	Physical Design Automation
846	192VD3O02	VLSI Technology
847	192VD3O03	Nano-electronics
848	192VD3P03	Dissertation-I/ Industrial Project
849	192VD4P04	Dissertation-II
850	193MC1L01	English Language Communication Skills Lab
851	193MC1L02	Problem Solving with C Lab
852	193MC1L03	IT Workshop (Lab)
853	193MC1T01	Problem Solving with C
854	193MC1T02	Computer Organization
855	193MC1T03	Discrete Mathematical Structures
856	193MC1T04	Probability and Statistics
857	193MC1T05	Accounting and Financial Management
858	193MC2L04	OOP Through Java Lab
859	193MC2L05	Data Structures Lab
860	193MC2L06	Operating Systems and Linux Lab
861	193MC2T06	Data Structures
862	193MC2T07	Operating Systems
863	193MC2T08	Software Engineering
864	193MC2T09	Optimization Techniques
865	193MC2T10	OOP Through Java
866	193MC3L07	Database Management Systems Lab
867	193MC3L08	Advanced Java Programming Lab
868	193MC3L09	OOAD through UML Lab

S. No	Course Code	Name of the Course
869	193MC3T11	Database Management Systems
870	193MC3T12	Computer Networks
871	193MC3T13	Design & Analysis of Algorithms
872	193MC3T14	Advanced Java Programming
873	193MC3T15	Object Oriented Analysis and Design
874	193MC4E01	Embedded Computing
875	193MC4E02	Artificial Intelligence
876	193MC4E03	MOOCs-1 (NPTEL/SWAYAM)
877	193MC4E04	Cloud Computing
878	193MC4E05	Multimedia Application Development
879	193MC4L10	Full Stack Technologies Lab
880	193MC4L11	Data Mining with R Lab
881	193MC4L12	Python Programming Lab
882	193MC4T16	Data Warehousing & Data Mining
883	193MC4T17	Full Stack Technologies
884	193MC4T18	Python Programming
885	193MC5E07	Digital Marketing
886	193MC5E08	Natural Language Processing
887	193MC5E09	MOOCs-3 (NPTEL/SWAYAM)
888	193MC5E10	Internet of Things
889	193MC5E11	DevOps
890	193MC5E12	MOOCs-4 (NPTEL/SWAYAM)
891	193MC5L13	Cryptography and Network Security Lab
892	193MC5L14	Big Data Analytics Lab
893	193MC5L15	Machine Learning with Python Lab
894	193MC5T20	Big Data Analytics
895	193MC5T21	Machine Learning
896	193MC6P01	Dissertation/ Thesis
897	193MC6R01	Project Seminar
898	194FI3E01	Investment Analysis and Portfolio Management
899	194FI3E02	Managing Banks and Financial Institutions
900	194FI3E03	Financial Markets and Services
901	194FI3E04	Taxation
902	194FI4E05	Financial Derivatives
903	194FI4E06	Global Financial Management
904	194FI4E07	Risk Management
905	194FI4E08	Behavioral Finance
906	194HR3E01	Leadership and Change Management
907	194HR3E02	Performance Evaluation and Compensation Management
908	194HR3E03	Human Capital Management

S. No	Course Code	Name of the Course
909	194HR3E04	Manpower Planning, Recruitment, and Selection
910	194HR4E05	Labour Welfare and employment laws
911	194HR4E06	International HRM
912	194HR4E07	Employee Relations and Engagement
913	194HR4E08	Strategic HRM
914	194MA3E01	Consumer Behavior
915	194MA3E02	Retail Management
916	194MA3E03	Strategic Marketing Management
917	194MA3E04	Digital and Social Media Marketing
918	194MA4E05	Services Marketing
919	194MA4E06	Promotional and Distribution Management
920	194MA4E07	Green Marketing
921	194MA4E08	Global Marketing Management
922	194MB1L01	Business Communication and Soft Skills Lab.
923	194MB1L02	Information Technology – Lab – I (Spreadsheet and Tally)
924	194MB1O01	Cross Cultural Management.
925	194MB1O02	Rural Innovation Projects.
926	194MB1T01	Management and Organizational Behavior
927	194MB1T02	Managerial Economics
928	194MB1T03	Accounting for Managers
929	194MB1T04	Quantitative Analysis for Business Decisions
930	194MB1T05	Legal and Business Environment
931	194MB1T06	Business Communication and Soft Skills
932	194MB2L03	IT-Lab – 2 (R Programming)
933	194MB2O04	Project Management.
934	194MB2O05	Technology Management.
935	194MB2O06	Lean Management.
936	194MB2O07	Data base Management System.
937	194MB2T07	Financial Management
938	194MB2T08	Human Resource Management
939	194MB2T09	Marketing Management
940	194MB2T10	Operations Management
941	194MB2T11	Business Research Methods
942	194MB3P01	Industrial Project based on Summer Internship
943	194MB3T12	Strategic Management
944	194MB3T13	Operations Research
945	194MB4C01	Comprehensive Viva - Voce
946	194MB4T14	Supply Chain Management and Analytics
947	194MB4T15	Innovation and Entrepreneurship

S. No	Course Code	Name of the Course
948	194MBMOOC1	MOOCs: SWAYAM/NPTEL
949	194SY3E01	Data Mining for Business Decisions
950	194SY3E02	Managing Software Projects
951	194SY3E03	Web Designing
952	194SY3E04	Business Analytics
953	194SY4E05	Big Data Analytics
954	194SY4E06	Enterprise Resource Planning
955	194SY4E07	Cyber Laws & Security
956	194SY4E08	Artificial Intelligence and Machine Learning
957	195IM1T01	English Language – I
958	195IM1T02	Business Mathematics & Statistics
959	195IM1T03	Fundamentals of Business Organization
960	195IM1T04	Financial Accounting – I
961	195IM1T05	Fundamentals of Computers
962	195IM2T06	English Language – II
963	195IM2T07	Business Environment
964	195IM2T08	Managerial Economics
965	195IM2T09	Financial Accounting – II
966	195IM2T10	Organizational Communications
967	195IM3T11	Principles of Management
968	195IM3T12	Cost Accounting
969	195IM3T13	Banking Theory & Practice
970	195IM3T14	Business Law
971	195IM3T15	Entrepreneurship Development
972	195IM4T16	Organizational Behavior
973	195IM4T17	Management Accounting
974	195IM4T18	Company Law
975	195IM4T19	Elements of Direct & Indirect Taxes
976	195IM4T20	Management Information Systems
977	19CS3O01	Python Programming
978	19CS3O02	Principles of Cyber Security
979	19CS3O03	Internet of Things
980	19CS3O04	Machine Learning
981	19CS3O05	Artificial Intelligence
982	19CS3O06	Deep Learning
983	19ES3O01	Embedded System Design
984	19ES3O02	Digital System Design
985	19ES3O03	Programming Languages for Embedded Systems
986	19ES3O04	Sensors and Actuators
987	19MC1A01	English for Research Paper Writing
988	19MC1A02	Disaster Management

S. No	Course Code	Name of the Course
989	19MC1A03	Sanskrit for Technical Knowledge
990	19MC1A04	Value Education
991	19MC1A05	Constitution of India
992	19MC1A06	Pedagogy Studies
993	19MC1A07	Stress Management by Yoga
994	19MC1A08	Personality Development through Life Enlightenment Skills
995	19MC1A09	Soft Skills
996	19PE3O01	Introduction to Petroleum Engineering
997	19PE3O02	Process Intensification
998	19PE3O03	Fundamentals of Liquefied Natural Gas
999	19PE3O04	Subsea Engineering
1000	19PE3O05	Geology
1001	19PE3O06	HSE in Petroleum Industry
1002	19SOMOOC1	MOOCs
1003	19ST3O01	Repair and Rehabilitation of Structures
1004	19ST3O02	Green Building Systems
1005	19ST3O03	Basic Concrete Technology
1006	19ST3O04	Basic Foundation Engineering
1007	19STE3O01	Fuels and Combustion
1008	19STE3O02	IC Engines
1009	19STE3O03	Automotive Technology
1010	19STE3O04	Embedded System Design
1011	19STE3O05	Digital System Design
1012	19TE1L02	Thermal Engineering Lab -I
1013	19VD3O01	Physical Design Automation
1014	19VD3O02	VLSI Technology
1015	19VD3O03	Nano-electronics
1016	201BS1L01	Engineering Physics Lab
1017	201BS1L02	Engineering Physics Lab
1018	201BS1L03	Engineering Chemistry Lab
1019	201BS1T01	Differential equations and Linear algebra
1020	201BS1T02	Engineering Physics
1021	201BS1T03	Engineering Physics
1022	201BS1T04	Engineering Chemistry
1023	201BS2L04	Applied Physics Lab
1024	201BS2L05	Engineering Chemistry Lab
1025	201BS2T05	Partial Differential equations and vector calculus
1026	201BS2T06	Transform Techniques
1027	201BS2T07	Numerical Methods and Complex Variables
1028	201BS2T08	Chemistry of Materials

S. No	Course Code	Name of the Course
1029	201BS2T09	Applied Physics
1030	201ES1I01	Engineering Graphics and Design
1031	201ES1I02	Computer Engineering Workshop
1032	201ES1L02	Programming for Problem Solving using C Lab
1033	201ES1L03	Essential Electrical and Electronics Engineering Lab
1034	201ES1L04	Soil Science and Agronomy Field Lab
1035	201ES1T01	Building Materials and Construction
1036	201ES1T02	Programming for Problem Solving using C
1037	201ES1T03	Essential Electrical and Electronics Engineering
1038	201ES1T04	Principles of Agronomy and Soil Science
1039	201ES1T05	Engineering Graphics
1040	201ES2I03	Object Oriented Programming through JAVA
1041	201ES2L06	Data Structures through C Lab
1042	201ES2L07	Engineering Workshop
1043	201ES2L08	Electronics Engineering Workshop
1044	201ES2L09	Electrical Engineering Workshop
1045	201ES2L10	Programming for problem solving using C Lab
1046	201ES2L11	Programming for Problem Solving Using C Lab
1047	201ES2L12	Computer Aided Drafting Lab
1048	201ES2L13	Basic Electrical Engineering Lab
1049	201ES2L14	Python Programming Lab
1050	201ES2T04	Python Programming
1051	201ES2T06	Engineering Mechanics
1052	201ES2T07	Data Structures through C
1053	201ES2T08	Programming for problem solving using C
1054	201ES2T09	Basic Electrical Circuits
1055	201ES2T10	Basic Electrical Engineering
1056	201ES2T11	Computer Organization
1057	201ES2T13	Surveying
1058	201ES2T14	Network Analysis
1059	201HS1L01	Communicative English Lab
1060	201HS1T01	Communicative English
1061	201HS2L02	Professional communications skills Lab
1062	201MC1T01	Environmental Science
1063	201MC2L01	Professional Communications Skills Lab
1064	201MC2T02	Constitution of India

S. No	Course Code	Name of the Course
1065	203MC1L01	Operating Systems and Linux Lab
1066	203MC1L02	Data Structures Lab
1067	203MC1L03	JAVA Programming Lab
1068	203MC1P01	Socially Relevant Project using Design Thinking
1069	203MC1T01	Business Communication
1070	203MC1T02	Mathematical and Statistical Foundations
1071	203MC1T03	Computer Organization & Operating Systems
1072	203MC1T04	Data Structures
1073	203MC1T05	Object Oriented Programming with JAVA
1074	203MC2E01	No SQL Databases
1075	203MC2E02	Design and Analysis of Algorithms
1076	203MC2E03	Mobile Application Development
1077	203MC2E04	Artificial Intelligence
1078	203MC2E05	Accounting for Managers
1079	203MC2L04	DBMS Lab
1080	203MC2L05	Computer Networks Lab
1081	203MC2L06	Software Engineering and Design Patterns Lab
1082	203MC2S01	Bridge Course
1083	203MC2T06	Database Management Systems
1084	203MC2T07	Computer Networks
1085	203MC2T08	Software Engineering and Design Patterns
1086	203MC2T09	Data Warehousing and Mining
1087	203MC2T10	Employability Skills

S. G. S.

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