



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

List of New Courses Introduced Program Wise for the Academic Year 2020-2021

S. No	Program Code	Program Name	Number of New Courses
1	1	B. Tech. (Civil Engineering)	4
2	2	B. Tech. (Electrical and Electronics Engineering)	10
3	3	B. Tech. (Mechanical Engineering)	5
4	4	B. Tech. (Electronics and Communication Engineering)	8
5	5	B. Tech. (Computer Science and Engineering)	9
6	12	B. Tech. (Information Technology)	6
7	27	B. Tech. (Petroleum Technology)	5
8	35	B. Tech. (Agricultural Engineering)	10
9	26	B. Tech. (Mining Engineering)	13
10	21	M. Tech. (Thermal Engineering)	7
11	52	M. Tech. (Power Electronics and Drives)	2
12	58	M. Tech. (Computer Science & Engineering)	4
13	72	M. Tech. (VLSI Design)	6
14	87	M. Tech. (Structural Engineering)	5
15	8	M. Tech. (Petroleum Engineering)	6
16	1E	Master of Business Administration	16
17	1M	Integrated Master of Business Administration	14
18	1F	Master of Computer Applications	13
B.Tech Common Courses			10
Total Number of New Courses			153


Convenor

Academic Committee


Principal

ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437



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List of New Courses for the Academic Year 2020-2021

S.No	Program Code	Program Name	Course Name	Course Code
1	01	B.Tech CE	Computer aided civil engineering drawing	191CE3T04
2	01	B.Tech CE	Watershed Management	171CE7E11
3	01	B.Tech CE	Design of Tall Buildings	171CE7E12
4	01	B.Tech CE	Green Engineering Systems	171CE8O07
5	02	B.Tech EEE	Data Structures through C Lab	201ES2L06
6	02	B.Tech EEE	Python programming	191ES3T11
7	02	B.Tech EEE	Python programming Lab	191ES3L15
8	02	B.Tech EEE	Numerical methods & Complex Variables	191BS4T17
9	02	B.Tech EEE	Digital Signal Processing	171EE7E12
10	02	B.Tech EEE	EHVAC Transmission	171EE7E16
11	02	B.Tech EEE	Energy Audit, Conservation and Management	171EE8O01
12	02	B.Tech EEE	Vehicular Electric Power Systems	171EE8O06
13	02	B.Tech EEE	Internet of Things	171EE8O07
14	02	B.Tech EEE	Cyber Security	171EE8O08
15	03	B.Tech ME	Internet of Things	191ES4T15
16	03	B.Tech ME	Flexible Manufacturing Systems	171ME7E15
17	03	B.Tech ME	Java Programming	171ME8O01
18	03	B.Tech ME	Electrical Safety & Management	171ME8O02
19	03	B.Tech ME	Entrepreneur Resource Planning	171ME8O03
20	04	B.Tech ECE	Digital Electronics and Logic Design Lab	191ES3L16
21	04	B.Tech ECE	Digital Signal Processors	171EC7E10
22	04	B.Tech ECE	Industry Oriented (Internship) Minor Project	171EC7P01
23	04	B.Tech ECE	Mixed Signal IC Design	171EC8E16
24	04	B.Tech ECE	Basic Concrete Technology	171EC8O01

25	04	B.Tech ECE	Disaster Management	171EC8O02
26	04	B.Tech ECE	Neural Networks	171EC8O03
27	04	B.Tech ECE	Web Technologies	171EC8O04
28	05	B.Tech CSE	Image Processing	171CS7E15
29	05	B.Tech CSE	Cyber Laws	171CS7E16
30	05	B.Tech CSE	Middleware Technologies	171CS7E17
31	05	B.Tech CSE	Artificial Intelligence and Machine Learning	171CS7E18
32	05	B.Tech CSE	Microprocessor and Multi Core Systems	171CS8O01
33	05	B.Tech CSE	Soft Computing	171CS8O03
34	05	B.Tech CSE	Optical Communications	171CS8O05
35	05	B.Tech CSE	Renewable Energy sources	171CS8O06
36	05	B.Tech CSE	Nano Technology and its Applications	171CS8O07
37	12	B. Tech IT	Theory of Computation	191IT4T01
38	12	B. Tech IT	Distributed Systems	171IT7E08
39	12	B. Tech IT	Industry Oriented (Internship) Minor Project	171IT7P01
40	12	B. Tech IT	Pattern Recognition	171IT8E10
41	12	B. Tech IT	Management Information System	171IT8O01
42	12	B. Tech IT	Computer Vision	171IT8O02
43	27	B.Tech PT	Geology Lab	191PT3L02
44	27	B.Tech PT	Petroleum Corrosion Technology	171PT7E12
45	27	B.Tech PT	Reliability & Risk Management in Petroleum Operations	171PT8E17
46	27	B.Tech PT	Deep Sea Production Systems	171PT8E18
47	27	B.Tech PT	Process Intensification in Petroleum Industry	171PT8O06
48	35	B.Tech Ag.E	Ground Water Hydrology Lab	191AG4L04
49	35	B.Tech Ag.E	Heat and Mass Transfer lab	191AG4L06
50	35	B.Tech Ag.E	Aqua Cultural Engineering	171AG7E12
51	35	B.Tech Ag.E	Soil Dynamics in Tillage and Traction	171AG7E13
52	35	B.Tech Ag.E	Computational Fluid Dynamics	171AG7E14

53	35	B.Tech Ag.E	Industry Oriented (Internship) Minor Project	171AG7P01
54	35	B.Tech Ag.E	Watershed Management	171AG8E16
55	35	B.Tech Ag.E	Hydraulic Devices and Control	171AG8E15
56	35	B.Tech Ag.E	Mechatronics	171AG8O03
57	35	B.Tech Ag.E	Image Processing Techniques	171AG8O05
58	26	B.Tech Min.E	Geo-statistics	171MI4T08
59	26	B.Tech Min.E	Mine Management	171MI7T20
60	26	B.Tech Min.E	Advance Underground Coal Mining Technology	171MI7E14
61	26	B.Tech Min.E	Mechanical Engineering Lab	171ES7L16
62	26	B.Tech Min.E	Industry Oriented (Internship) Minor Project	171MI7P01
63	26	B.Tech Min.E	Mine Systems Engineering	171MI8E16
64	26	B.Tech Min.E	Advance Surface Mining Technology	171MI8E17
65	26	B.Tech Min.E	Advanced Underground Metal Mining Technology	171MI8E18
66	26	B.Tech Min.E	Environmental Impact Assessment	171MI8O01
67	26	B.Tech Min.E	Mine Closure and Reclamation	171MI8O02
68	26	B.Tech Min.E	Fundamentals of Communication	171MI8O03
69	26	B.Tech Min.E	Remote Sensing and GIS	171MI8O04
70	26	B.Tech Min.E	Quantitative Decision Making	171MI8O05
71	03, 26, 27, 35	ME, Min.E, PT & Ag.E	Computer Aided Drafting Lab	201ES2L12
72	05, 12	CSE, IT	Data Structures through C	201ES2T07
73	01, 02, 03, 04, 05, 12, 26, 27, 35	All B.Tech Programmes	Essence of Indian Traditional Knowledge	191MC3A04
74	05, 12	CSE, IT	Object Oriented Programming through Java	191CS3T02
75	05, 12	CSE, IT	Advanced Data Structures	191CS3T03
76	01, 02, 03, 04, 05, 12, 26, 27, 35	All B.Tech Programmes	Biology for Engineers	191MC4A06
77	05, 12	CSE, IT	Agile Methodologies	171CS8E21
78	05, 12	CSE, IT	Distributed Databases	171CS8E23
79	03, 35	ME & Ag. E	Numerical Methods & Statistical Techniques	191BS4T16
80	01, 26, 35	CE, Min.E & Ag.E	Internet of Things	191ES3T10

81	21	M.Tech TE	Design and Analysis of Experiments	192TE3E18
82	21	M.Tech TE	Waste to Energy	192TE3E20
83	21	M.Tech TE	Energy Systems	192TE3O01
84	21	M.Tech TE	Fuels and Combustion	192TE3O02
85	21	M.Tech TE	Green Engineering Technology	192TE3O03
86	21	M.Tech TE,	IC Engines	192TE3O04
87	21	M.Tech TE	Automotive Technology	192TE3O05
88	52	M.Tech PED	Digital Signal Processing Controlled Drives	192PD3E13
89	52	M.Tech PED	Modeling & Simulation of Power Electronic Systems	192PD3E15
90	58	M.Tech CSE	Deep Learning	192CS3E13
91	58	M.Tech CSE	Social Network Analysis	192CS3E14
92	58	M.Tech CSE	Artificial Intelligence	192CS3O05
93	58	M.Tech CSE	Deep Learning	
94	72	M.Tech VLSID	Scripting Languages for VLSI	192VD3E12
95	72	M.Tech VLSID	Digital System Design & Verification	192VD3E13
96	72	M.Tech VLSID	Digital System Design	192ES3O02
97	72	M.Tech VLSID	Physical Design Automation	192VD3O01
98	72	M.Tech VLSID	VLSI Technology	192VD3O02
99	72	M.Tech VLSID	Nano-electronics	192VD3O03
100	87	M.Tech ST	Structural Health Monitoring	192ST3E14
101	87	M.Tech ST	Repair & Rehabilitation of Structures	192ST3O01
102	87	M.Tech ST	Green Building Systems	192ST3O02
103	87	M.Tech ST	Basic Concrete Technology	192ST3O03
104	87	M.Tech ST	Basic Foundation Engineering	192ST3O04
105	08	M.Tech PE	Introduction to Petroleum Engineering	192PE3O01
106	08	M.Tech PE	Process Intensification	192PE3O02
107	08	M.Tech PE	Fundamentals of Liquefied Natural Gas	192PE3O03
108	08	M.Tech PE	Subsea Engineering	192PE3O04

109	08	M.Tech PE	Geology	192PE3O05
110	08	M.Tech PE	HSE in Petroleum Industry	192PE3O06
111	1E	MBA	Operations Research.	194MB3T13
112	1E	MBA	Human Capital Management.	194HR3E03
113	1E	MBA	Manpower Planning, Recruitment, and Selection	194HR3E04
114	1E	MBA	Digital and Social Media Marketing	194MA3E04
115	1E	MBA	Leadership and Change Management	194HR3E01
116	1E	MBA	Labour Welfare and employment laws	194HR4E05
117	1E	MBA	Innovation and Entrepreneurship	194MB4T15
118	1E	MBA	Employee Relations and Engagement	194HR4E07
119	1E	MBA	Financial Derivatives	194FI4E05
120	1E	MBA	Behavioral Finance	194FI4E08
121	1E	MBA	Green Marketing	194MA4E07
122	1E	MBA	Global Marketing Management	194MA4E08
123	1E	MBA	Data Mining for Business Decisions	194SY3E01
124	1E	MBA	Managing Software Projects	194SY3E02
125	1E	MBA	Big Data Analytics	194SY4E05
126	1E	MBA	Artificial Intelligence and Machine Learning	194SY4E08
127	1M	IMBA	Intellectual Property Rights	16IM901
128	1M	IMBA	Corporate Governance	16IM902
129	1M	IMBA	Global HRM	16IM903A
130	1M	IMBA	Labor Welfare & Legislation	16IM904A
131	1M	IMBA	Management of Industrial Relations	16IM905A
132	1M	IMBA	Global Financial Management	16IM903B
133	1M	IMBA	Risk Management	16IM904B
134	1M	IMBA	Tax Management	16IM905B
135	1M	IMBA	Promotion and Distribution Management	16IM903C
136	1M	IMBA	Global Marketing Management	16IM904C

137	1M	IMBA	Retail Marketing	16IM905C
138	1M	IMBA	Cyber Laws & Security	16IM903D
139	1M	IMBA	Information Systems & Audit	16IM904D
140	1M	IMBA	SAP	16IM905D
141	1F	MCA	Operating Systems and Linux Lab	203MC1L01
142	1F	MCA	Socially Relevant Project using Design Thinking	203MC1P01
143	1F	MCA	Software Engineering and Design Patterns	203MC2T08
144	1F	MCA	Bridge Course (Python Programming to be taken through MOOCs)	203MC2S01
145	1F	MCA	No SQL Databases	203MC2E01
146	1F	MCA	Full Stack Technologies	193MC4T17
147	1F	MCA	Full Stack Technologies Lab	193MC4L10
148	1F	MCA	Data Mining with R Lab	193MC4L11
149	1F	MCA	Big Data Analytics	193MC5T20
150	1F	MCA	Machine Learning	193MC5T21
151	1F	MCA	Python Programming	173MC5T21
152	1F	MCA	Computer Forensics	173MC5E08
153	1F	MCA	Internet of Things	173MC5E10


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Program Name: B.Tech Civil Engineering

Comparison of new courses introduced in Academic year 2020-2021

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021			
Semester	Course Code	Course Name	Semester	Course Code	Course Name	Percentage of content changed for existing year
I	191HS1T01	Communicative English	I	201HS1T01	Communicative English	10
	191BS1T01	Differential Equations and Linear Algebra		201BS1T01	Differential equations and Linear algebra	0
	191BS1T02	Engineering Physics		201BS1T02	Engineering Physics	0
	191ES1T01	Programming for Problem Solving Using C		201ES1T01	Building Materials & Construction	0
	191HS1L01	Communicative English Lab-I		201ES1T05	Engineering Graphics	55
	191BS1L01	Engineering Physics Lab		201HS1L01	Communicative English Lab	0
	191ES1L01	Programming for Problem Solving Using C Lab		201BS1L01	Engineering Physics Lab	0
	191ES1L02	Basic Engineering Workshop		201ES1L01	Engineering Workshop	0
	191MC1A01	Environmental Science		201MC1T01	Environmental Science	0
	191MC1A02	Constitution of India		201BS2T05	Partial Differential Equations and Vector Calculus	0
II	191BS2T05	Partial Differential Equations and Vector Calculus	II	201BS2T06	Chemistry of Materials	0
	191BS2T06	Chemistry of Materials		201ES2T07	Engineering Mechanics	0
	191ES2T02	Engineering Graphics and Design		201ES2T09	Programming for Problem Solving Using C	0
	191ES2T03	Essential Electrical and Electronics Engineering		201ES2T13	Surveying	0
	191ES2T04	Engineering Mechanics		201ES2L06	Surveying field Work	0
	191HS2L02	Communicative English Lab- II		201ES2L09	Engineering Chemistry Lab	0
	191BS2L04	Engineering Chemistry Lab		201ES2L11	Programming for Problem Solving Using C Lab	0
	191ES2L03	Essential Electrical and Electronics Engineering Lab		201MC2L01	Professional communications skills Lab	0
	191ES2L04	Civil Engineering Workshop		201MC2T02	Constitution of India	0
	191PR2P01	Engineering Exploration Project	III	191BS3T11	Integral transforms and applications of Partial	40
III	171BS3T10	Probability and Statistics		191ES3T10	Internet of things (IOT)	100
	171ES3T05	Basic Electrical and Electronics Engineering		191HS3T02	Managerial economics and Financial analysis	0
	171ES3T09	Strength of Materials - I		191CE3T01	Strength of materials - I	0
	171CE3T01	Building Materials and Construction		191CE3T02	Fluid mechanics	0
	171CE3T02	Surveying		191CE3T03	Surveying	0
	171CE3T03	Fluid Mechanics		191CE3L01	Surveying lab	0
	171CE3L01	Surveying Lab		191CE3T04	Computer aided civil engineering drawing	100
	171ES3L03	Strength of Materials Lab		191CE3L02	Strength of materials lab	0
	171HS3A09	Professional Ethics and Human Values		191MC3A03	Employability Skills - I	0
	171HS3A10	Employability Skills - I		191MC3A04	Essence of Indian Traditional Knowledge	100
IV	171CE4T04	Building Planning and Computer Aided Drawing	IV	191BS4T16	Numerical methods & Statistical Techniques (CE,	50
	171CE4T05	Concrete Technology		191HS4T03	Management science	0
	171CE4T06	Engineering Geology		191CE4T05	Structural analysis	17
	171CE4T07	Hydraulics and Hydraulic Machinery		191CE4T06	Construction materials and concrete technology	17
	171CE4T08	Strength of Materials - II		191CE4T07	Strength of materials - II	0
	171CE4T09	Structural Analysis - I		191CE4T08	Hydraulics and hydraulic machinery	0
	171CE4L02	Fluid Mechanics and Hydraulic Machinery Lab		191CE4L03	Fluid mechanics & hydraulic Machinery lab	0

	171CE4L03	Concrete Technology Lab		191CE4L04	Construction materials and concrete technology lab	0
	171HS4A08	Intellectual property rights and patents		191MC4A05	Employability Skills – II	0
	171HS4A11	Employability Skills - II		191MC4A06	Biology for Engineers	100
	171HS4A04	Managerial Economics and Financial Analysis		171HS5T05	Management Science	0
V	171HS5T05	Management Science		171CE5T10	Design and Drawing of Reinforced Concrete Structures	0
V	171CE5T10	Design and Drawing of Reinforced Concrete Structures		171CE5T11	Transportation Engineering	0
V	171CE5T11	Transportation Engineering		171CE5T12	Structural Analysis - II	0
V	171CE5T12	Structural Analysis - II		171CE5T13	Water Resource Engineering - I	0
V	171CE5T13	Water Resource Engineering - I		171CE5E01	(PE I) Construction Technology and Management	0
V	171CE5E01	(PE I) Construction Technology and Management	V	171CE5E02	Urban Hydrology	0
V	171CE5E02	Urban Hydrology		171CE5E03	Traffic Engineering	0
V	171CE5E03	Traffic Engineering		171HS5T06	Employability Skills - III	0
V	171HS5T06	Employability Skills - III		171CE5L04	Engineering Geology Lab	0
V	171CE5L04	Engineering Geology Lab		171CE5L05	Transportation Engineering Lab	0
V	171CE5L05	Transportation Engineering Lab		171CE5S01	MOOCs – I	0
V	171CE5S01	MOOCs – I		171CE5P03	Surveying Camp	0
V	171CE5P03	Surveying Camp		171CE6T14	Design and Drawing of Steel Structures	0
VI	171CE6T14	Design and Drawing of Steel Structures		171CE6T15	Geotechnical Engineering - I	0
VI	171CE6T15	Geotechnical Engineering - I		171CE6T16	Water Resource Engineering - II	0
VI	171CE6T16	Water Resource Engineering - II		171CE6T17	Prestressed Concrete	0
VI	171CE6T17	Prestressed Concrete		171CE6E04	PE II Ground Water Development	0
VI	171CE6E04	PE II Ground Water Development		171CE6E05	Pavement Analysis and Design	0
VI	171CE6E05	Pavement Analysis and Design	VI	171CE6E06	Repair and Rehabilitation of Structures	0
VI	171CE6E06	Repair and Rehabilitation of Structures		171CE6E07	PE III Ground Improvement Techniques	0
VI	171CE6E07	PE III Ground Improvement Techniques		171CE6E08	Finite Element Methods	0
VI	171CE6E08	Finite Element Methods		171CE6E09	Earthquake Resistant Design	0
VI	171CE6E09	Earthquake Resistant Design		171HS6T07	Employability Skills - IV	0
VI	171HS6T07	Employability Skills - IV		171CE6L06	Geotechnical Engineering Lab	0
VI	171CE6L06	Geotechnical Engineering Lab		171CE6L07	Irrigation Design and Drawing	0
VI	171CE6L07	Irrigation Design and Drawing		171CE6S02	MOOCs - II	0
VI	171CE6S02	MOOCs - II		171CE7T18	Geotechnical Engineering - II	0
VII	R1641011	Environmental Engineering - II		171CE7T19	Environmental Engineering	0
VII	R1641012	Water Resource Engineering - II		171CE7T20	Remote Sensing and GIS Applications	0
VII	R1641013	Geotechnical Engineering - II		171CE7T21	Estimation, Specifications and Contracts	0
VII	R1641014	Remote Sensing & GIS Applications		171CE7E10	PE IV Advanced Structural Engineering	0
VII	R164101A	Finite Element Methods(Elective I)		171CE7E11	Watershed Management	100
VII	R164101B	Ground Improvement Techniques	VII	171CE7E12	Design of Tall Buildings	100
VII	R164101C	Air Pollution & Control		171CE7E13	PE V Bridge Engineering	0
VII	R164101D	Urban Hydrology		171CE7E14	Environmental Impact Assessment and Management	0
VII	R164101E	Traffic Engineering		171CE7E15	Water Resources Systems Planning	0
VII	R164101F	Advanced Structural Engineering(Elective II)		171CE7L08	Environmental Engineering Lab	0
VII	R164101G	Advanced Foundation Engineering		171CE7L09	GIS And Computer Aided Design (CAD) Lab	0
VII	R164101H	Environmental Impact Assessment & Management		171CE7P01	Industry Oriented (Internship) Minor Project	0
VII	R164101I	Ground Water Development		171CE8E16	PE VI Urban Transportation Planning Engineering	0

VII	R164101J	Pavement Analysis and Design	VIII	171CE8E17	Soil Dynamics and Foundations	0
VII	R1641019	IPR & Patents		171CE8E18	Solid And Hazardous Waste Management	0
VII	R1641017	GIS & CAD Lab		171CE8E19	Air Pollution and Control	0
VII	R1641018	Irrigation Design & Drawing		171CE8O01	OE Electronic Instrumentation	0
VIII	R1642011	Estimation Specification & Contracts		171CE8O02	Database Management Systems	0
VIII	R1642012	Construction Technology & Management		171CE8O03	Alternative Energy Sources	0
VIII	R1642013	Prestressed Concrete		171CE8O04	Waste Water Management	0
VIII	R164201A	Bridge Engineering (Elective III)		171CE8O05	Fundamentals of Liquefied Natural Gas	0
VIII	R164201B	Soil Dynamics and Foundations		171CE8O06	Green Fuel Technologies	0
VIII	R164201C	Solid and Hazardous Waste Management		171CE8O07	Green Engineering Systems	100
VIII	R164201D	Water Resources Systems Planning		171CE8P02	Major Project	0
VIII	R164201E	Urban Transportation Planning Engineering				
VIII	R1642015	Seminar on Internship Project				
VIII	R1642016	Project				


Program coordinator


Head of the Department
Head of the Department
Dept. of Civil Engineering
ADITYA ENGINEERING COLLEGE (A9)



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Department of Electrical and Electronics Engineering

List of Courses for the Academic Year 2019-20

List of Courses for the Academic Year 2020-21

Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	19IHS1T01	Communicative English	20IHS1T01	Communicative English	0
	19IBS1T01	Differential Equations and Linear Algebra	20IBS1T01	Differential equations and Linear algebra	0
	19IBS1T04	Engineering Chemistry	20IBS1T03	Applied Physics	0
	19IES1T01	Programming for Problem Solving Using C	20IES1T02	Programming for Problem Solving using C	0
	19IHS1L01	Communicative English Lab-I	20IES1H01	Engineering Graphics and Design	40
	19IBS1L02	Engineering Chemistry Lab	20IHS1L01	Communicative English Lab	0
	19IES1L01	Programming for Problem Solving Using C Lab	20IBS1L02	Applied Physics Lab	0
	19IES1L02	Basic Engineering workshop	20IES1L02	Programming for Problem Solving using C Lab	0
	19IMC1A01	Environmental Science	20IMC1T01	Environmental Science	0
	19IMC1A02	Constitution of India			
II	19IBS2T05	Partial Differential Equations and Vector Calculus	20IBS2T05	Partial Differential Equations and Vector Calculus	0
	19IBS2T07	Applied Physics	20IBS2T06	Transform Techniques	0
	19IES2T05	Data Structures Through C	20IES2T07	Data Structures through C	15
	19IEE2T01	Electrical Circuits Analysis -I	20IES2T09	Basic Electrical Circuits	5
	19IES2T06	Basic Civil and Mechanical Engineering	20IES2T13	Basic Civil and Mechanical Engineering	0
	19IHS2L02	Communicative English Lab-II	20IES2L06	Data Structures through C Lab	100
	19IBS2L05	Applied Physics Lab	20IES2L09	Electrical Engineering Workshop	5
	19IES2L05	Basic Civil and Mechanical Engineering Lab	20IES2L11	Basic Civil and Mechanical Engineering Lab	5
	19IES2L06	Electrical Engineering Workshop	20IMC2L01	Professional Communications Skills Lab	0
	19IPR2P01	Engineering Exploration Project	20IMC2T02	Constitution of India	0
III	17IEE3T02	Electrical Circuit Analysis - II	19IBS3T12	Transform Techniques	60
	17IEE3T03	Electrical Machines – I	19IEE3T02	Analog Electronic Circuits	0
	17IEE3T04	Basic Electronics Devices and Circuits	19IES3T11	Python programming	100
	17IEE3T05	Electromagnetic Fields	19IEE3T03	Electrical Circuit Analysis-II	0
	17IES3T10	Thermal and Hydro Prime Movers	19IEE3T04	Electrical Machines-I	0
	17IHS3T04	Managerial Economics and Financial Analysis	19IEE3T05	Electromagnetic Fields	0
	17IES3L04	Thermal and Hydro Prime Movers Lab	19IEE3L01	Electrical Circuits Lab	15
	17IEE3L01	Electrical Circuits Lab	19IES3L15	Python programming Lab	100
	17IHS3A09	Professional Ethics and Human Values	19IMC3A03	Employability Skills-I	50
	17IHS3A10	Employability Skills - I	19IMC3A04	Essence of Indian Traditional Knowledge	100
	17IEE4T06	Electrical Measurements	19IBS4T17	Numerical methods & Complex Variables	100
	17IEE4T07	Electrical Machines - II	19IEE4T06	Digital Circuits & Logic Design	0

IV	171ES4T24	Digital Circuits and Logic Design	191EE4T07	Electrical Machines-II	0
	171EE4T08	Control Systems	191EE4T08	Control Systems	0
	171EE4T09	Power Systems – I	191EE4T09	Power Systems-I	0
	171HS4T05	Management Science	191ES4T15	Internet of Things	0
	171EE4L02	Electronic Devices and Circuits Lab	191EE4L02	Electrical Machines –I Lab	0
	171EE4L03	Electrical Machines - I Lab	191EE4L03	Analog Electronic Circuits Lab	0
	171HS4A11	Employability Skills - II	191MC4A05	Employability Skills –II	80
			191MC4A06	Biology for Engineers	100
V	171EE5T10	Power Systems – II	171EE5T10	Power Systems – II	0
	171EE5T11	Power Electronics	171EE5T11	Power Electronics	0
	171EE5T12	Pulse and Digital Circuits	171EE5T12	Pulse and Digital Circuits	0
	171EE5T13	Signals and Systems	171EE5T13	Signals and Systems	0
	171EE5E01	Renewable Energy Sources	171EE5E01	Renewable Energy Sources	0
	171EE5E02	Modeling and Analysis of Electrical Machines	171EE5E02	Modeling and Analysis of Electrical Machines	0
	171EE5E03	Electrical Safety	171EE5E03	Electrical Safety	0
	171HS5T08	Intellectual Property Rights and Patents	171HS5T08	Intellectual Property Rights and Patents	0
	171HS5T06	Employability Skills - III	171HS5T06	Employability Skills - III	0
	171EE5L04	Electrical Measurements Lab	171EE5L04	Electrical Measurements Lab	0
	171EE5L05	Electrical Machines - II Lab	171EE5L05	Electrical Machines - II Lab	0
	171EE5L06	Control Systems Lab	171EE5L06	Control Systems Lab	0
	171EE5S01	MOOCs - I	171EE5S01	MOOCs - I	0
VI	171EE6T14	Power Electronic Controllers and Drives	171EE6T14	Power Electronic Controllers and Drives	0
	171EE6T15	Power System Analysis	171EE6T15	Power System Analysis	0
	171EE6T16	Micro Processor and Micro Controllers	171EE6T16	Micro Processor and Micro Controllers	0
	171EE6T17	Data Structures	171EE6T17	Data Structures	0
	171EE6E04	Computer Architecture	171EE6E04	Computer Architecture	0
	171EE6E05	Electrical Distribution Systems	171EE6E05	Electrical Distribution Systems	0
	171EE6E06	Distributed Generation and Microgrid	171EE6E06	Distributed Generation and Microgrid	0
	171EE6E07	Advanced Control Systems	171EE6E07	Advanced Control Systems	0
	171EE6E08	PLC and Applications	171EE6E08	PLC and Applications	0
	171EE6E09	Instrumentation	171EE6E09	Instrumentation	0
	171EE6E10	OOPs through JAVA	171EE6E10	OOPs through JAVA	0
	171HS6T07	Employability Skills - IV	171HS6T07	Employability Skills - IV	0
	171EE6L07	Data Structures Lab	171EE6L07	Data Structures Lab	0
	171EE6L08	Power Electronics Lab	171EE6L08	Power Electronics Lab	0
	171EE6S02	MOOCs - II	171EE6S02	MOOCs - II	0
	R1641021	Utilization of Electrical Energy	171EE7T18	Utilization of Electrical Energy	5

VII	R1641022	Linear IC Applications	171EE7T19	Linear and Digital IC Applications	10
	R1641023	Power System Operation & Control	171EE7T20	Power System Operation and Control	15
	R1641024	Switchgear and Protection	171EE7T21	Switch Gear and Protection	10
	R164102A	Electrical Machine Modeling and Analysis	171EE7E11	Optimization Techniques	10
	R164102B	Advanced Control Systems	171EE7E12	Digital Signal Processing	100
	R164102C	Programmable Logic Controllers and Applications	171EE7E13	Special Electrical Machines	5
	R164102D	Instrumentation	171EE7E14	High Voltage Engineering	0
	R164102E	Optimization Techniques	171EE7E15	Electric Power Quality	5
	R164102F	Electric Power Quality	171EE7E16	EHVAC Transmission	100
	R164102G	Special Electrical Machines	171EE7L09	Power Systems Simulation Lab	15
	R1641027	Electrical Simulation Laboratory	171EE7L10	Micro Processor and Micro Controllers Lab	0
	R1641028	Power Systems lab	171EE7P01	Industry Oriented (Internship) Minor Project	0
VIII	R1642021	Digital Control Systems	171EE8E17	HVDC Transmission	10
	R1642022	HVDC Transmission	171EE8E18	Flexible AC Transmission Systems	10
			171EE8E19	Power System Reforms	10
	R1642023	Electrical Distribution Systems	171EE8E20	Digital Control Systems	15
			171EE8O01	Energy Audit, Conservation and Management	100
	R164202A	High Voltage Engineering	171EE8O02	VLSI Design	0
			171EE8O03	Unix and Shell Programming	0
	R164202B	Flexible Alternating Current Transmission Systems	171EE8O04	Neural Networks And Fuzzy Logic	0
			171EE8O05	Robotics	0
	R164202C	Power System Reforms	171EE8O06	Vehicular Electric Power Systems	100
	R1642025	Seminar	171EE8O07	Internet of Things	100
	R1642026	Project	171EE8O08	Cyber Security	100
			171EE8P02	Major Project	0

Program Coordinator

Head of the Department

Head of The Department
Dept: Of Electrical & Electronics Engineering
Aditya Engineering College (A9)



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

Department of Mechanical Engineering

List of Courses for the Academic Year 2019-20			List of Courses for the Academic Year 2020-21		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	191HS1T01	Communicative English	201HS1T01	Communicative English	0
	191BS1T01	Differential Equations and Linear Algebra	201BS1T01	Differential Equations and Linear Algebra	0
	191BS1T02	Engineering Physics	201BS1T02	Engineering Physics	0
	191ES1T01	Programming for Problem Solving using C	201ES1T03	Essential Electrical and Electronics Engineering	0
	191HS1L01	Communicative English Lab-I	201ES1T05	Engineering Graphics	45
	191BS1L01	Engineering Physics Lab	201HS1L01	Communicative English Lab	0
	191ES1L01	Programming for Problem Solving using C Lab	201BS1L01	Engineering Physics Lab	0
	191ES1L02	Basic Engineering Workshop	201ES1L03	Essential Electrical and Electronics Engineering Lab	0
	191MC1A01	Environment Science	201MC1T01	Environment Science	0
	191MC1A02	Constitution of India			
II	191BS2T05	Partial Differential Equations and Vector Calculus	201BS2T05	Partial Differential Equations and Vector Calculus	0
	191BS2T06	Chemistry of Materials	201BS2T08	Chemistry of Materials	0
	191ES2T02	Engineering Graphics and Design	201ES2T06	Engineering Mechanics	0
	191ES2T03	Essential Electrical and Electronics Engineering	201ES2T08	Programming for Problem Solving using C	0
	191ES2T04	Engineering Mechanics	201ES2L07	Engineering Workshop	0
	191HS2L02	Communicative English Lab-II	201ES2L12	Computer Aided Drafting Lab	100
	191BS2L04	Engineering Chemistry Lab	201HS2L02	Professional Communications Skills Lab	0
	191ES2L03	Essential Electrical and Electronics Engineering Lab	201BS2L05	Engineering Chemistry Lab	0
	191ES2L07	Mechanical Engineering Workshop	201ES2L10	Programming for Problem	0
	191PR2P01	Engineering Exploration Project	201MC2T02	Constitution of India	0
III	171ES3T13	Metallurgy & Materials Science	191BS3T11	Integral Transforms and Applications of Partial Differential Equations	40
	171ES3T11	Mechanics of Solids	191ME3T01	Fluid Mechanics & Hydraulic Machinery	14
	171ES3T12	Thermodynamics	191ME3T02	Computer Aided Engineering Drawing Practice	25
	171HS3T04	Managerial Economics and Financial Analysis	191ME3T03	Mechanics of Solids	5
	171ES3T14	Fluid Mechanics & Hydraulic Machinery	191ME3T04	Thermodynamics	0
	171ME3T01	Computer Aided Engineering Drawing Practice	191ME3T05	Metallurgy & Material Science	0
	171ES3L05	Basic Electrical and Electronics Engineering Lab	191ME3L01	Fluid Mechanics & Hydraulic Machines Lab	0
	171ES3L06	Mechanics of Solids and Metallurgy Lab	191ME3L02	Mechanics of Solids & Metallurgy Lab	0
	171HS3A09	Professional Ethics & Human Values	191MC3A03	Employability skills-I	0
	171HS3A10	Employability skills-I	191MC3A04	Essence of Indian Traditional Knowledge	100
IV	171ME4T02	Kinematics of Machinery	191BS4T16	Numerical Methods & Statistical	100
	171ME4T03	Thermal Engineering -I	191HS4T04	Managerial Economics and Financial Analysis	0
	171ME4T04	Production Technology	191ES4T15	Internet of Things	100
	171ME4T05	Design of Machine members-I	191ME4T06	Production Technology	0
	171ME4T06	Industrial Engineering and Management	191ME4T07	Kinematics of Machinery	20
	171ME4T07	Machine Drawing	191ME4T08	Thermal Engineering-I	45
	171HS4T08	Intellectual Property rights and patents	191ME4L03	Production Technology Lab	0
	171ME4L01	Production Technology Lab	191ME4L04	Computer Aided Machine Drawing	50
	171ES4L07	Fluid mechanics and Hydraulic Machinery Lab	191MC4A05	Employability Skills -II	0
	171HS4A11	Employability Skills -II	191MC4A06	Biology for Engineers	100
	171ME5T08	Dynamics of Machinery	171ME5T08	Dynamics of Machinery	0
	171ME5T09	Metal Cutting and Machine Tools	171ME5T09	Metal Cutting and Machine Tools	0

V	171ME5T10	Thermal Engineering -II	171ME5T10	Thermal Engineering -II	0
	171ME5T11	Design of Machine Members-II	171ME5T11	Design of Machine Members-II	0
	171ME5T12	Operations Research	171ME5T12	Operations Research	0
	171ME5E01	Automobile Engineering	171ME5E01	Automobile Engineering	0
	171ME5E02	Mechanical Vibrations	171ME5E02	Mechanical Vibrations	0
	171ME5E03	Additive Manufacturing	171ME5E03	Additive Manufacturing	0
	171HS5T06	Employability Skills -III	171HS5T06	Employability Skills -III	0
	171ME5L02	Theory of Machines Lab	171ME5L02	Theory of Machines Lab	0
	171ME5L03	Thermal Engineering Lab	171ME5L03	Thermal Engineering Lab	0
	171ME5S01	MOOCS-I	171ME5S01	MOOCS-I	0
VI	171ME6T13	Heat Transfer	171ME6T13	Heat Transfer	0
	171ME6T14	Refrigeration and Air Conditioning	171ME6T14	Refrigeration and Air Conditioning	0
	171ME6T15	Metrology and Instrumentation	171ME6T15	Metrology and Instrumentation	0
	171ME6E04	Robotics	171ME6E04	Robotics	0
	171ME6E05	Design for Manufacturing	171ME6E05	Design for Manufacturing	0
	171ME6E06	Non-Destructive Evaluation	171ME6E06	Non-Destructive Evaluation	0
	171ME6E07	Unconventional Machining Processes	171ME6E07	Unconventional Machining Processes	0
	171ME6E08	Industrial Hydraulics and Pneumatics	171ME6E08	Industrial Hydraulics and Pneumatics	0
	171ME6E09	Quality & Reliability Engineering	171ME6E09	Quality & Reliability Engineering	0
	171HS6T07	Employability Skills-IV	171HS6T07	Employability Skills-IV	0
	171ME6L04	Machine Tools Lab	171ME6L04	Machine Tools Lab	0
	171ME6L05	Heat Transfer Lab	171ME6L05	Heat Transfer Lab	0
	171ME6L06	Metrology & Instrumentation Lab	171ME6L06	Metrology & Instrumentation Lab	0
VII	171ME6S02	MOOCS-II	171ME6S02	MOOCS-II	0
	R1641031	Mechatronics	171ME7T16	CAD/CAM	5
	R1641032	CAD/CAM	171ME7T17	Mechatronics	20
	R1641033	Finite Element Methods	171ME7T18	Finite Element Methods	25
	R1641034	Power Plant Engineering	171ME7T19	Power Plant Engineering	10
	R164103A	Computational Fluid Dynamics	171ME7E10	Computational Fluid Dynamics	0
	R164103B	Condition Monitoring	171ME7E11	Green Engineering Systems	0
	R164103C	Additive Manufacturing	171ME7E12	Nano Materials and Technology	10
	R164103D	Advanced Materials	171ME7E13	Gas Dynamics	40
	R164103E	Design for Manufacture	171ME7E14	Condition Monitoring	16
	R164103F	Gas Dynamics and Jet Propulsion	171ME7E15	Flexible Manufacturing Systems	100
	R1641037	CAD/CAM Lab	171ME7L07	CAD/CFD Lab	60
	R1641038	Mechatronics Lab	171ME7L08	CAM/Mechatronics Lab	50
VIII	R1642031	Production Planning and Control	171ME7P01	Industry Oriented (Internship) Mini Project	0
	R1642032	Unconventional Machining Processes	171ME8E16	Production Planning and Control	0
	R1642033	Automobile Engineering	171ME8E17	Advanced Materials	0
	R164203A	Thermal Equipment Design	171ME8E18	Thermal Equipment Design	20
	R164203B	Non-Destructive Evaluation	171ME8O01	Java Programming	100
	R164203C	Quality & Reliability Engineering	171ME8O02	Electrical Safety Management	100
	R1642036	Project	171CE8O04	Neural Networks and Fuzzy Logic	0
			171EE8O03	Data Base Management Systems	0
			171ME8O03	Entrepreneur Resource Planning	100
			171ME8O04	Computer Graphics	20
			171ME8P02	Major Project	0

Program Coordinator

Head of the Department

Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
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Department of Electronics and Communication Engineering

Programme Name : B.Tech ECE

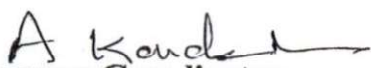
List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	191HS1T01	Communicative English	201HS1T01	Communicative English	0
	191BS1T01	Differential Equations and Linear Algebra	201BS1T01	Differential Equations and Linear Algebra	0
	191BS1T03	Applied Physics	201BS1T04	Engineering Chemistry	0
	191ES1T01	Programming for Problem Solving Using C	201ES1T02	Programming for Problem Solving using C	0
	191HS1L01	Communicative English Lab-I	201ES1I01	Engineering Graphics and Design	55
	191BS1L03	Applied Physics Lab	201HS1L01	Communicative English Lab	0
	191ES1L01	Programming for Problem Solving Using C Lab	201BS1L03	Engineering Chemistry Lab	0
	191ES1L02	Basic Engineering Workshop	201ES1L02	Programming for Problem Solving using C Lab	0
	191MC1A01	Environmental Science	201MC1T01	Environmental Science	0
	191MC1A02	Constitution of India			
II	191BS2T08	Transform Techniques	201BS2T06	Transform Techniques	0
	191BS2T09	Engineering Chemistry	201BS2T09	Applied Physics	0
	191ES2T02	Engineering Graphics and Design	201ES2I03	Object Oriented Programming through JAVA	0
	191ES2T07	Basic Electrical Engineering	201ES2T10	Basic Electrical Engineering	3
	191ES2T08	Network Analysis	201ES2T14	Network Analysis	0

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
II	191HS2L02	Communicative English Lab-II	201ES2L08	Electronics Engineering Workshop	0
	191BS2L04	Engineering Chemistry Lab	201BS2L04	Applied Physics Lab	0
	191ES2L08	Basic Electrical Engineering Lab	201ES2L13	Basic Electrical Engineering Lab	0
	191ES2L09	Electronics Engineering Workshop	201MC2L01	Professional Communication Skills Lab	0
	191PR2P01	Engineering Exploration Project	201MC2T02	Constitution of India	0
III	171EC3T01	Electronic Devices and Circuits	191BS3T13	Numerical Methods & Vector Calculus	20
	171EC3T02	Switching Theory and Logic Design	191ES3T12	Random Variables and Stochastic Processes	10
	171EC3T03	Signals and Systems	191HS3T02	Managerial Economics and Financial Analysis	0
	171ES3T15	Network Analysis	191EC3T01	Electronic Devices and Circuits	40
	171EC3T04	Random Variables and Stochastic Processes	191EC3T02	Digital Electronics and Logic Design	0
	171HS3T04	Managerial Economics and Financial Analysis	191EC3T03	Signals and Systems	20
	171EC3L01	Electronic Devices and Circuits Lab	191EC3L01	Electronic Devices and Circuits Lab	29.4
	171ES3L08	Networks and Electrical Technology Lab	191ES3L16	Digital Electronics and Logic Design Lab	100
	171HS3A09	Professional Ethics and Human Values	191MC3A03	Employability Skills – I	0
	171HS3A10	Employability Skills – I	191MC3A04	Essence of Indian Traditional Knowledge	100
IV	171EC4T05	Electronic Circuit Analysis	191ES4T16	Data Structures	0
	171EC4T06	Electromagnetic Waves and Transmission Lines	191ES4T17	Control Systems	20
	171EC4T07	Analog Communications	191EC4T04	Analog Electronic Circuits	10
	171EC4T08	Pulse and Digital Circuits	191EC4T05	Electromagnetic Waves and Transmission Lines	0

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
IV	171HS4T05	Management Science	191EC4T06	Microprocessors & Micro Controllers	10
	171ES4T28	Linear Control Systems	191EC4T07	Analog Communications	0
	171HS4T08	IPR and Patents	191EC4L02	Analog Electronic Circuits – Lab	23.5
	171EC4L02	Electronic Circuit Analysis Lab	191EC4L03	Microprocessors & Micro Controllers Lab	0
	171EC4L03	Analog Communications Lab	191EC4L04	Analog Communications Lab	18.75
	171HS4A11	Employability Skills – II	191MC4A05	Employability Skills – II	0
			191MC4A06	Biology for Engineers	100
V	171EC5T09	Linear IC Applications	171EC5T09	Linear IC Applications	0
	171EC5T10	Digital IC Applications	171EC5T10	Digital IC Applications	0
	171EC5T11	Digital Communications	171EC5T11	Digital Communications	0
	171EC5T12	Antennas and Wave Propagation	171EC5T12	Antennas and Wave Propagation	0
	171EC5E01	Computer Architecture and Organization	171EC5E01	Computer Architecture and Organization	0
	171EC5E02	OOPS through JAVA	171EC5E02	OOPS through JAVA	0
	171EC5E03	Electronic Switching Systems	171EC5E03	Electronic Switching Systems	0
	171HS5T06	Employability Skills - III	171HS5T06	Employability Skills - III	0
	171EC5L04	Linear IC Applications Lab	171EC5L04	Linear IC Applications Lab	0
	171EC5L05	Digital IC Applications Lab	171EC5L05	Digital IC Applications Lab	0
	171EC5L06	Pulse and Digital Circuits Lab	171EC5L06	Pulse and Digital Circuits Lab	0
	171EC5S01	MOOCs - I	171EC5S01	MOOCs - I	0

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
VI	171EC6T13	Micro Processors and MicroControllers	171EC6T13	Micro Processors and MicroControllers	0
	171EC6T14	VLSI Design	171EC6T14	VLSI Design	0
	171EC6T15	Digital Signal Processing	171EC6T15	Digital Signal Processing	0
	171EC6E04	CPLD and FPGA Architectures	171EC6E04	CPLD and FPGA Architectures	0
	171EC6E05	Operating Systems	171EC6E05	Operating Systems	0
	171EC6E06	Computer Networks	171EC6E06	Computer Networks	0
	171EC6E07	Digital Design Through Verilog	171EC6E07	Digital Design Through Verilog	0
	171EC6E08	Biomedical Engineering	171EC6E08	Biomedical Engineering	0
	171EC6E09	Information Theory and Coding	171EC6E09	Information Theory and Coding	0
	171HS6T07	Employability Skills - IV	171HS6T07	Employability Skills - IV	0
	171EC6L07	Micro Processor and Micro Controllers Lab	171EC6L07	Micro Processor and Micro Controllers Lab	0
	171EC6L08	VLSI lab	171EC6L08	VLSI lab	0
	171EC6L09	Digital Communications Lab	171EC6L09	Digital Communications Lab	0
	171EC6S02	MOOCs - II	171EC5S01	MOOCs - II	4.1
VII	R1641041	Radar Systems	171EC7T16	Microwave Engineering	8
	R1641042	Digital Image Processing	171EC7T17	Digital Image Processing	10
	R1641043	Computer Networks	171EC7T18	Electronic Measurements And Instrumentation	18
	R1641044	Optical Communications	171EC7T19	Optical Communications	0
	R164104A	TV Engineering	171EC7E10	Digital Signal Processors	100

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
VII	R164104B	Electronic Switching Systems	171EC7E11	Embedded Systems	13.3
	R164104C	System Design through Verilog	171EC7E12	Cellular and Mobile Communications	16.6
	R164104D	Embedded Systems	171EC7E13	Analog IC Design	0
	R164104E	Analog IC Design	171EC7E14	Cryptography and Network Security	0
	R164104F	Network Security & Cryptography	171EC7E15	Radar Systems	5.5
	R1641047	Micro Wave Engineering & Optical Lab	171EC7L10	Microwave Engineering and Optical Communications Lab	8.3
	R1641048	Digital Signal Processing Lab	171EC7L11	Digital Signal and Image Processing Lab	50
	R1642041	Cellular Mobile Communications	171EC7P01	Industry Oriented (Internship) Minor Project	100
VIII	R1642042	Electronic Measurements and Instrumentation	171EC8E16	Mixed Signal IC Design	100
	R1642043	Satellite Communications	171EC8E17	Wireless Sensors and Networks	0
	R164204A	Wireless sensors & Networks	171EC8E18	Satellite Communications	0
	R164204B	Digital IC Design	171EC8O01	Basic Concrete Technology	100
	R164204C	Operating Systems	171EC8O02	Disaster Management	100
	-	Seminar	171EC8O03	Neural Networks	100
	-	Project	171EC8O04	Web Technologies	100
			171EC8P02	Major Project	0


Program Coordinator


Head of the Department
Head of the Department
Department of E.C.E.
Aditya Engineering College (A.C.)



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Program Name: B. Tech in Computer Science and Engineering

List of courses for the Academic Year 2019-2020			List of courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	% of content revised for the existing year
I	191HS1T01	Communicative English	201HS1T01	Communicative English	0
	191BS1T01	Differential Equations and Linear Algebra	201BS1T01	Differential Equations and Linear algebra	0
	191BS1T03	Applied Physics	201BS1T04	Engineering Chemistry	0
	191ES1T01	Programming For Problem Solving Using C	201ES1T02	Programming For Problem Solving Using C	0
	191HS1L01	Communicative English Lab - I	201ES1H02	Computer Engineering Workshop	0
	191BS1L03	Applied Physics Lab	201HS1L01	Communicative English Lab	0
	191ES1L01	Programming For Problem Solving Using C Lab	201BS1L03	Engineering Chemistry Lab	0
	191ES1L02	Basic Engineering Workshop	201ES1L02	Programming for Problem Solving using C Lab	0
	191MC1A01	Environmental Science	201MC1T01	Environmental Science	0
	191MC1A02	Constitution of India			
II	191BS2T09	Engineering Chemistry	201BS2T07	Numerical Methods and Complex Variables	0
	191BS2T10	Numerical Methods and Complex Variables	201BS2T09	Applied Physics	0
	191ES2T02	Engineering Graphics and Design	201ES2T11	Computer Organization	0
	191ES2T03	Essential Electrical and Electronics Engineering	201ES2T04	Python Programming	0
	191ES2T09	Data Structures through C++	201ES2T07	Data Structures through C	100
	191HS2L02	Communicative English Lab-II	201BS2L04	Applied Physics Lab	0
	191BS2L04	Engineering Chemistry Lab	201ES2L06	Data Structures through C Lab	0
	191ES2L10	Data Structures Through C++ Lab	201ES2L14	Python Programming Lab	0
	191ES2L11	IT Workshop	201MC2L01	Professional Communication Skills Lab	0
	191PR2P01	Engineering Exploration Project	201MC2T02	Constitution of India	0
III	171BS3T08	Mathematical Foundations of Computer Science	191BS3T14	Discrete Mathematics	20
	171ES3T23	Digital Logic Design	191ES3T13	Digital Logic Design	0
	171CS3T02	Statistics with R Programming	191HS3T02	Managerial Economics and Financial Analysis	0
	171CS3T03	Object Oriented Programming Through C++	191CS3T01	Software Engineering	0
	171HS3T04	Managerial Economics & Financial Analysis	191CS3T02	Object Oriented Programming through Java	100
	171CS3T04	Advanced Data Structures	191CS3T03	Advanced Data Structures	100

Semester	Course Code	Course Name	Course Code	Course Name	% of content revised for the existing year
	171CS3L01	Object Oriented Programming Lab	191CS3L01	Object Oriented Programming through Java Lab	0
	171CS3L02	Advanced Data Structures Lab	191CS3L02	Advanced Data Structures Lab	20
	171HS3A10	Employability Skills – I	191MC3A03	Employability Skills - I	0
	171HS3A09	Professional Ethics & Human Values	191MC3A04	Essence of Indian Traditional Knowledge	100
	171CS4T05	Software Engineering	191BS4T18	Probability and Statistics	20
IV	171CS4T06	Formal Languages & Automata Theory	191CS4T04	Formal Languages and Automata Theory	0
	171CS4T07	Java Programming	191CS4T05	Python Programming	0
	171CS4T08	Database Management Systems	191CS4T06	Design and Analysis of Algorithms	0
	171CS4T09	Principles of Programming Languages	191ES4T15	Internet of Things	0
	171CS4T10	Computer Organization	191CS4T07	Computer Organization	0
	171CS4L03	Java Programming Lab	191CS4L03	Python Programming Lab	0
	171CS4L04	Database Management Systems Lab	191ES4L17	Internet of Things Lab	0
	171HS4A11	Employability Skills – II	191MC4A05	Employability Skills - II	0
	171HS4A08	IPR & Patents	191MC4A06	Biology for Engineers	100
	171CS5T11	Compiler Design	171CS5T11	Compiler Design	0
	171CS5T12	Python Programming	171CS5T12	Python Programming	0
	171CS5T13	Design & Analysis of Algorithms	171CS5T13	Design & Analysis of Algorithms	0
V	171CS5T14	Operating Systems	171CS5T14	Operating Systems	0
	171CS5E01	Unix and Shell Programming	171CS5E01	Unix and Shell Programming	0
	171CS5E02	Advanced Computer Architecture	171CS5E02	Advanced Computer Architecture	0
	171CS5E03	Computer Graphics	171CS5E03	Computer Graphics	0
	171CS5E04	Software Testing Methodologies	171CS5E04	Software Testing Methodologies	0
	171HS5T06	Employability Skills – III	171HS5T06	Employability Skills – III	0
	171CS5L05	Operating System and Linux Lab	171CS5L05	Operating System and Linux Lab	0
	171CS5L06	Python Programming Lab	171CS5L06	Python Programming Lab	0
	171CS5L07	Software Testing Lab	171CS5L07	Software Testing Lab	0
	171CS5L08	Compiler Design Lab	171CS5L08	Compiler Design Lab	0
	171CS5S01	MOOCs – I	171CS5S01	MOOCs – I	0
	171CS6T15	Computer Networks	171CS6T15	Computer Networks	0
	171CS6T16	Web Technologies	171CS6T16	Web Technologies	0

Semester	Course Code	Course Name	Course Code	Course Name	% of content revised for the existing year
VI	171CS6T17	Data Ware Housing and Data Mining	171CS6T17	Data Ware Housing and Data Mining	0
	171CS6E05	Software Quality Assurance	171CS6E05	Software Quality Assurance	0
	171CS6E06	Bio Informatics	171CS6E06	Bio Informatics	0
	171CS6E07	Human Computer Interaction	171CS6E07	Human Computer Interaction	0
	171CS6E08	Social Networks and Semantic Web	171CS6E08	Social Networks and Semantic Web	0
	171CS6E09	Pattern Recognition	171CS6E09	Pattern Recognition	0
	171CS6E10	Parallel Computing	171CS6E10	Parallel Computing	0
	171CS6E11	Storage Area Networks	171CS6E11	Storage Area Networks	0
	171CS6E12	E - Commerce	171CS6E12	E - Commerce	0
	171HS6T07	Employability Skills – IV	171HS6T07	Employability Skills – IV	0
	171CS6L09	Computer Networks Lab	171CS6L09	Computer Networks Lab	0
	171CS6L10	Data Ware Housing and Data Mining Lab	171CS6L10	Data Ware Housing and Data Mining Lab	0
	171CS6L11	Web Technologies Lab	171CS6L11	Web Technologies Lab	0
	171CS6S02	MOOCs – II	171CS6S02	MOOCs – II	0
	R1641051	Cryptography and Network Security	171CS7T18	Cryptography and Network Security	0
	R1641052	Software Architecture & Design Patterns	171CS7T19	UML and Design Patterns	0
	R1641053	Web Technologies	171CS7T20	Cloud Computing	0
	R1641054	Managerial Economics and Financial Analysis	171HS7T05	Management Science	0
	R1641057	Software Architectures & Design Patterns Lab	171CS7E13	Software Project Management	0
	R1641058	Web Technologies Lab	171CS5E14	Big Data Analytics	0
VII	R164105A	Big Data Analysis	171CS7E15	Image Processing	100
	R164105B	Information Retrieval Systems	171CS7E16	Cyber Laws	100
	R164105C	Mobile Computing	171CS7E17	Middleware Technologies	100
	R164105D	Cloud Computing	171CS7E18	Artificial Intelligence and Machine Learning	100
	R164105E	Software Project Management	171CS7E19	Information Retrieval Systems	20
	R164105F	Scripting Languages	171CS7E20	Mobile Computing	0
			171CS7L12	UML and Design Patterns Lab	0
			171CS7L13	Big Data Analytics Lab	0
			171CS7P01	Industry Oriented (Internship) Minor Project	0

Semester	Course Code	Course Name
VIII	R1642051	Distributed Systems
	R1642052	Management Science
	R1642053	Machine Learning
	R1642055	Seminar
	R1642056	Project
	R164205A	Concurrent and Parallel Programming
	R164205B	Artificial Neural Network
	R164205C	Operation Research

Course Code	Course Name	% of content revised for the existing year
171CS8E21	Agile Methodologies	100
171CS8E22	Cyber Security	0
171CS8E23	Distributed Databases	100
171CS8E24	Distributed Systems	40
171CS8O01	Microprocessor and Multi Core Systems	100
171CS8O02	Embedded Systems	20
171CS8O03	Soft Computing	100
171EE8O05	Robotics	0
171CS8O04	Operations Research	40
171CS8O05	Optical Communications	100
171EE8O07	Internet of Things	0
171EC8O02	Disaster Management	0
171CS8O06	Renewable Energy sources	100
171CS8O07	Nano Technology and its Applications	100
171CS8P02	Project Work	0


Program Coordinator


Head of the Department

Head of the Department
Department of CSE
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Department of Information Technology

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	191HS1T01	Communicative English	201HS1T01	Communicative English	0
	191BS1T01	Differential Equations and Linear Algebra	201BS1T01	Differential Equations and Linear algebra	0
	191BS1T03	Applied Physics	201BS1T04	Engineering Chemistry	0
	191ES1T01	Programming For Problem Solving Using C	201ES1T02	Programming for Problem Solving using C	0
	191HS1L01	Communicative English Lab -I	201ES1I02	Computer Engineering Workshop	0
	191BS1L03	Applied Physics Lab	201HS1L01	Communicative English Lab	0
	191ES1L01	Programming For Problem Solving Using C Lab	201BS1L03	Engineering Chemistry Lab	0
	191ES1L02	Basic Engineering Workshop	201ES1L02	Programming for Problem Solving using C Lab	0
	191MC1A01	Environmental Science	201MC1T01	Environmental Science	0
	191MC1A02	Constitution of India			
II	191BS2T10	Numerical Methods and Complex Variables	201BS2T07	Numerical Methods and Complex Variables	0
	191BS2T09	Engineering Chemistry	201BS2T09	Applied Physics	0
	191ES2T02	Engineering Graphics and Design	201ES2T11	Computer Organization	0
	191ES2T03	Essential	201ES2T04	Python	0

		Electrical and Electronics Engineering			Programming	
	191ES2T09	Data Structures through C++	201ES2T07	Data Structures through C	100	
	191HS2L02	Communicative English Lab-II	201BS2L04	Applied Physics Lab	0	
	191BS2L04	Engineering Chemistry Lab	201ES2L06	Data Structures through C Lab	0	
	191ES2L10	Data Structures Through C++ Lab	201ES2L14	Python Programming Lab	0	
	191ES2L11	IT Workshop	201MC2L01	Professional Communication Skills Lab	0	
	191PR2P01	Engineering Exploration Project	201MC2T02	Constitution of India	0	
III	171BS3T08	Mathematical Foundations of Computer Science	191BS3T14	Discrete Mathematics	0	
	171ES3T23	Digital Logic Design	191ES3T13	Digital Logic Design	0	
	171CS3T02	Statistics with R Programming	191HS3T02	Managerial Economics and Financial Analysis	0	
	171CS3T03	Object Oriented Programming through C++	191CS3T01	Software Engineering	0	
	171HS3T04	Managerial Economics & Financial Analysis	191CS3T02	Object Oriented Programming through Java	100	
	171CS3T04	Advanced Data Structures	191CS3T03	Advanced Data Structures	100	
	171CS3L01	Object Oriented Programming Lab	191CS3L01	Object Oriented Programming through Java Lab	0	
	171CS3L02	Advanced Data Structures Lab	191CS3L02	Advanced Data Structures Lab	0	
	171HS3A10	Employability Skills – I	191MC3A03	Employability Skills - I	0	
	171HS3A09	Professional Ethics & Human Values	191MC3A04	Essence of Indian Traditional Knowledge	100	
IV	171CS4T05	Software Engineering	191BS4T18	Probability and Statistics	0	
	171IT4T01	Language Processors	191IT4T01	Theory of Computation	100	

	171CS4T07	Java Programming		191CS4T05	Python Programming	0
	171CS4T08	Database Management Systems		191CS6L06	Data Mining and Object-Oriented Analysis and Design Lab	100
	171HS4T05	Management Science		191ES4T15	Internet of Things	0
	171CS4T10	Computer Organization		191CS4T07	Computer Organization	0
	171CS4L03	Java Programming Lab		191CS4L03	Python Programming Lab	0
	171CS4L04	Database Management Systems Lab		191ES4L17	Internet of Things Lab	0
	171HS4A11	Employability Skills – II		191MC4A05	Employability Skills - II	0
	171HS4A08	IPR & Patents		191MC4A06	Biology for Engineers	100
V						0
	171IT5T02	Computer Networks		171IT5T02	Computer Networks	0
	171CS5T12	Python Programming		171CS5T12	Python Programming	0
	171IT5T03	Unix and Shell Programming		171IT5T03	Unix and Shell Programming	0
	171CS5T14	Operating Systems		171CS5T14	Operating Systems	0
	171IT5E01	Artificial Intelligence		171IT5E01	Artificial Intelligence	0
	171CS5E02	Advanced Computer Architecture		171CS5E02	Advanced Computer Architecture	0
	171CS5E03	Computer Graphics		171CS5E03	Computer Graphics	0
	171CS5E04	Software Testing Methodologies		171CS5E04	Software Testing Methodologies	0
	171HS5T06	Employability Skills – III		171HS5T06	Employability Skills – III	0
	171IT5L01	Operating Systems and Computer Networks Lab		171IT5L01	Operating Systems and Computer Networks Lab	0
				171CS5L06	Python Programming Lab	0
				171CS5L07	Software Testing Lab	0
				171IT5L02	Unix and Shell Programming Lab	0

			171IT5S01	MOOCs – I	0
			171IT6T04	Object Oriented Analysis and Design Using UML	0
			171CS6T16	Web Technologies	0
			171CS6T17	Data Warehousing and Data Mining	0
			171CS6E05	Software Quality Assurance	0
			171IT6E02	Neural Networks	0
			171CS6E08	Social Networks and Semantic Web	0
			171IT6E03	Design and Analysis of Algorithms	0
			171IT6E04	Advanced Computer Networks	0
			171CS6E10	Parallel Computing	0
			171IT6E05	Multimedia Programming	0
			171CS6E12	E – Commerce	0
			171HS6T07	Employability Skills – IV	0
			171IT6L03	Unified Modeling Language Lab	0
			171CS6L10	Data Warehousing and Data Mining Lab	0
			171CS6E05	Software Quality Assurance	0
			171IT6E02	Neural Networks	0
			171CS6E08	Social Networks and Semantic Web	0
			171IT6E03	Design and Analysis of Algorithms	0
			171IT6E04	Advanced Computer Networks	0
			171CS6E10	Parallel Computing	0
			171IT6E05	Multimedia Programming	0
			171CS6E12	E – Commerce	0
			171HS6T07	Employability Skills – IV	0
			171IT6L03	Unified Modeling Language Lab	0
VI	171IT6T04	Object Oriented Analysis and Design Using UML	191CS6T12	Data Ware Housing and Data Mining	0
	171CS6T16	Web Technologies	191CS6T13	Object Oriented Analysis of Design	0
	171CS6T17	Data	191CS6T14	Web Technologies	0

		Warehousing and Data Mining			
	171CS6E05	Software Quality Assurance	191CS6E09	Scripting languages	0
	171IT6E02	Neural Networks	191CS6E06	Advance Operating Systems	0
	171CS6E08	Social Networks and Semantic Web	191PR5P02	Socially Relevant Project	0
	171IT6E03	Design and Analysis of Algorithms	191CS6E10	Software Testing Methodologies	0
	171IT6E04	Advanced Computer Networks	191CS6E07	Image Processing	0
	171CS6E10	Parallel Computing	191CS6E11	C# .Net	0
	171IT6E05	Multimedia Programming	191CS6E13	Distributed Systems	0
	171CS6E12	E – Commerce	191CS6E14	Natural Language Processing	0
	171HS6T07	Employability Skills – IV	191CS6E15	Software Quality Assurance	0
	171IT6L03	Unified Modeling Language Lab	191CS6E12	Cloud Computing	0
	171CS6L10	Data Warehousing and Data Mining Lab	191CE6O02	Disaster Management	0
VII	R1641051	Cryptography and Network Security	191EE6O04	Energy Audit and Conservation Management	0
	R164105C	Mobile Computing	191EE6O05	Non Conventional Energy resources	0
	R1641121	Data Ware Housing and Business Intelligence	191EE6O06	Instrumentation	0
	R1641054	Managerial Economics and Financial Analysis	191ME6O06	Solar Energy Utilisation	0
	R164105A	Big Data Analytics	191ME6O07	Basic Thermodynamics and Heat Transfer	0
	R164105B	Information Retrieval Systems	191ME6O08	Introduction to Hydraulics and Pneumatics	0

	RT42052	Management Science		Science	
			R1642121	Management Information System	100
			R164205A	Concurrent and Parallel Programming	0
			R164212A	Cyber Security	100
			R164205B	Artificial Neural Networks	100
			R164212B	Software Quality Assurance	100
			R1642055	Seminar	
			R1642056	Project	



Program Coordinator



Head of the Department

Head of the Department
Department of IT
Aditya Engineering College



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DEPARTMENT OF PETROLEUM TECHNOLOGY

Programme Name :B. Tech PT

List of courses for the Academic Year 2019-2020			List of courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	% of content revised for the existing year
I	191HS1T01	Communicative English	201HS1T01	Communicative English	0
	191BS1T01	Differential Equations and Linear Algebra	201BS1T01	Differential equations and Linear algebra	0
	191BS1T02	Engineering Physics	201BS1T02	Engineering Physics	0
	191ES1T01	Programming for Problem Solving Using C	201ES1T03	Essential Electrical and Electronics Engineering	0
	191HS1L01	Communicative English Lab-I	201ES1T05	Engineering Graphics	80
	191BS1L01	Engineering Physics Lab	201HS1L01	Communicative English Lab	0
	191ES1L01	Programming for Problem Solving Using C Lab	201BS1L01	Engineering Physics Lab	0
	191ES1L02	Basic Engineering Workshop	201ES1L03	Essential Electrical and Electronics Engineering Lab	0
	191MC1A01	Environmental Science	201MC1T01	Environmental Science	0

	191MC1A02	Constitution of India			
II	191BS2T05	Partial Differential Equations and Vector Calculus		201BS2T05	Partial Differential Equations and Vector Calculus 0
	191BS2T06	Chemistry of Materials		201BS2T08	Chemistry of Materials 0
	191ES2T02	Engineering Graphics and Design		201ES2T06	Engineering Mechanics 0
	191ES2T03	Essential Electrical and Electronics Engineering		201ES2T08	Programming for Problem Solving Using C 0
	191ES2T04	Engineering Mechanics		201ES2L07	Engineering Workshop 0
	191HS2L02	Communicative English Lab-II		201ES2L12	Computer Aided Drafting Lab 100
	191BS2L04	Engineering Chemistry Lab		201HS2L02	Professional Communications Skills Lab 0
	191ES2L03	Essential Electrical and Electronics Engineering Lab		201BS2L05	Engineering Chemistry Lab 0
	191ES2L13	Petroleum Technology Workshop		201ES2L10	Programming for Problem Solving Using C Lab 0
	191PR2P01	Engineering Exploration Project		201MC2T02	Constitution of India 0
III	171ES3T16	Materials Science and Engineering		191PT3T01	Petroleum Exploration 0
	171ES3T17	General Geology		191PT3T02	Geology and Sedimentology 0
	171ES3T18	Surveying and Offshore Structures		191PT3T03	Chemical Process Calculations 0

	171PT3T01	Chemical Process Calculations		191PT3T04	Mechanical and Materials Science and Engineering	80
	171ES3T05	Basic Electrical and Electronics Engineering		191PT3L01	Mechanical and Material Science Lab	0
	171ES3L09	Basic Engineering Lab		191PT3L02	Geology Lab	100
	171ES3L10	Geology and Surveying Lab		191BS3T15	Numerical Methods and Integral Transforms	0
	171HS3A10	Employability Skills - I		191MC3A03	Employability Skills – I	0
	171HS3A09	Professional Ethics and Human Values		191MC3A04	Essence of Indian Traditional Knowledge	100
IV	171BS4T10	Probability and Statistics		191PT4T06	Momentum Transfer	0
	171PT4T02	Momentum Transfer		191PT4T07	Petroleum Geology	0
	171PT4T03	Petroleum Geology		191PT4T05	Process Heat Transfer	0
	171PT4T04	Thermodynamics for Petroleum Engineers		191HS3T02	Managerial Economics and Financial Analysis	0
	171PT4T05	Process Heat Transfer		191HS4T03	Management Science	0
	171HS4T05	Management Science		191ES4T15	Internet of Things	0
	171PT4L01	Momentum Transfer Lab		191MC4A05	Employability Skills – II	0
	171PT4L02	Process Heat Transfer Lab		191BS4T19	Complex Variables and Statistical Methods	95

	171HS4A11	Employability Skills - II		191PT4L03	Process Heat Transfer Lab	0
	171HS4A08	IPR and Patents		191PT4L04	Momentum Transfer Lab	0
				191MC4A06	Biology for Engineers	100
V	171PT5T06	Process Dynamics and Control		171PT5T06	Process Dynamics and Control	0
	171PT5T07	Petroleum Exploration		171PT5T07	Petroleum Exploration	0
	171PT5T08	Process Instrumentation		171PT5T08	Process Instrumentation	0
	171PT5T09	Well Logging and Formation Evaluation		171PT5T09	Well Logging and Formation Evaluation	0
	171PT5T10	Drilling Technology		171PT5T10	Drilling Technology	0
	171PT5E01	Well Engineering and Design		171PT5E01	Well Engineering and Design	0
	171PT5E02	Fundamentals of Liquefied Natural Gas		171PT5E02	Fundamentals of Liquefied Natural Gas	0
	171PT5E03	Pipeline Engineering		171PT5E03	Pipeline Engineering	0
	171PT5L03	Instrumentation, Process Dynamics and Control Lab		171PT5L03	Instrumentation, Process Dynamics and Control Lab	0
	171PT5L04	Drilling Fluids Lab		171PT5L04	Drilling Fluids Lab	0
	171HS5T06	Employability Skills - III		171HS5T06	Employability Skills - III	0

	171PT5S01	MOOCs – I		171PT5S01	MOOCs – I	0
VI	171PT6T11	Well Completions, Testing and Services		171PT6T11	Well Completions, Testing and Services	0
	171PT6T12	Petroleum Production Engineering		171PT6T12	Petroleum Production Engineering	0
	171PT6T13	Petroleum Reservoir Engineering - I		171PT6T13	Petroleum Reservoir Engineering - I	0
	171PT6T14	Surface Production Operations		171PT6T14	Surface Production Operations	0
	171PT6E04	Petroleum Refining and Petrochemical Engineering		171PT6E04	Petroleum Refining and Petrochemical Engineering	0
	171PT6E05	Storage and Transportation of Crude Oil and Natural Gas.		171PT6E05	Storage and Transportation of Crude Oil and Natural Gas.	0
	171PT6E06	Reservoir Stimulation		171PT6E06	Reservoir Stimulation	0
	171PT6E07	Natural Gas Hydrates		171PT6E07	Natural Gas Hydrates	0
	171PT6E08	Natural Gas Engineering		171PT6E08	Natural Gas Engineering	0
	171PT6E09	Horizontal Well Technology		171PT6E09	Horizontal Well Technology	0
	171PT6L05	Petroleum Analysis Lab		171PT6L05	Petroleum Analysis Lab	0
	171PT6L06	Petroleum Reservoir Simulation Lab		171PT6L06	Petroleum Reservoir Simulation Lab	0
	171HS6T07	Employability skills - IV		171HS6T07	Employability skills - IV	0

	171PT5S02	MOOCs – II		171PT5S02	MOOCs – II	0
VII	R1641019	IPR and PATENTS		171PT7T15	Integrated Asset Management and Petroleum Economics	40
	R1641271	Integrated Asset Management		171PT7T16	Petroleum Reservoir Engineering - II	0
	R1641272	Petroleum Reservoir Engineering-II		171PT7T17	IOR and EOR Techniques	0
	R1641273	Surface Production Operations		171PT7T18	Oil and Gas Processing Plant Design	0
	R1641274	Oil and Gas Processing Plant Design		171PT7E10	Coal Bed Methane	0
	R1641277	Petroleum Equipment Design and Simulation Lab		171PT7E11	Offshore Engineering	0
	R1641278	Petroleum Reservoir Simulation Lab		171PT7E12	Petroleum Corrosion Technology	100
	R164127A	Natural Gas Hydrates		171PT7E13	Shale Gas Reservoir Engineering	0
	R164127B	pipeline engineering		171PT7E14	Subsea Engineering	0
	R164127C	Horizontal well technology		171PT7E15	Reservoir Modeling and Simulation	0
	R164127D	Coal Bed Methane Engineering		171PT7L07	Petroleum Equipment Design and Simulation Lab	0
	R164127E	Offshore engineering		171PT7L08	Petroleum Reservoir Engineering Lab	0
	R164127F	Reservoir stimulation		171HS7A04	Managerial Economics and Financial Analysis	0

			171PT7P01	Industry Oriented (Internship) Minor Project	0
VIII	R1642271	EOR Techniques	171PT8E16	HSE and FE in Petroleum Industry	0
	R1642272	HSE and FE in Petroleum Industry	171PT8E17	Reliability and Risk Management in Petroleum Operations	100
	R1642273	Petroleum Economics Policies and Regulations	171PT8E18	Deep Sea Production Systems	100
	R164227A	Shale Gas Reservoir Engineering	171PT8O01	Green Technologies	0
	R164227B	Subsea Engineering	171PT8O02	Non-Conventional Sources of Energy	0
	R164227C	Reservoir Modeling & Simulation	171PT8O03	Alternative Energy Sources for Automobiles	0
	R1642275	Seminar(SIP Report Presentation)	171PT8O04	Waste Water Treatment	0
	R1642276	Project	171PT8O05	Computational Fluid Dynamics	0
			171PT8O06	Process Intensification in Petroleum Industry	100
			171EC8O02	Disaster Management	100
			171PT8P02	Major Project	0


Program Coordinator


Head of the Department

Head of the Department
Department of Petroleum Technology
Aditya Engineering College (A)
SURAMPALEM-5 437



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Department of Agricultural Engineering

List Of Courses for the Academic Year 2019-2020			List Of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	191HS1T01	Communicative English	201HS1T01	Communicative English	0
	191BS1T01	Differential Equations and Linear Algebra	201BS1T01	Differential equations and Linear algebra	0
	191BS1T02	Engineering Physics	201BS1T02	Engineering Physics	0
	191ES1T01	Programming for Problem Solving Using C	201ES1T04	Principles of Agronomy and Soil Science	5
	191HS1L01	Communicative English Lab-I	201ES1T05	Engineering Graphics	10
	191BS1L01	Engineering Physics Lab	201HS1L01	Communicative English Lab	0
	191ES1L01	Programming for Problem Solving Using C Lab	201BS1L01	Engineering Physics Lab	0
	191ES1L02	Basic Engineering Workshop	201ES1L04	Soil Science and Agronomy Field Lab	20
	191MC1A01	Environmental Science	201MC1T01	Environmental Science	0
	191MC1A02	Constitution of India	201BS2T05	Partial Differential Equations and Vector Calculus	0
II	191BS2T05	Partial Differential Equations and Vector Calculus	201BS2T08	Chemistry of Materials	0
	191BS2T06	Chemistry of Materials	201ES2T06	Engineering Mechanics	0
	191ES2T02	Engineering Graphics and Design	201ES2T08	Programming for Problem Solving Using C	0
	191ES2T03	Essential Electrical & Electronics Engineering	201ES2L07	Engineering Workshop	0
	191ES2T04	Engineering Mechanics	201ES2L12	Computer Aided Drafting Lab	100
	191HS2L02	Communicative English Lab-II	201HS2L02	Professional communications skills Lab	0
	191BS2L04	Engineering Chemistry Lab	201BS2L05	Engineering Chemistry Lab	0
	191ES2L03	Essential Electrical and Electronics Engineering Lab	201ES2L10	Programming for Problem Solving Using C	0
	191ES2L14	Agricultural Engineering Workshop	201MC2T02	Constitution of India	0
	191PR2P01	Engineering Exploration Project			
	171AG3T01	Principles of Soil Science and Agronomy	191BS3T11	Integral Transforms and Applications of Partial Differential Equations	40
	171AG3T02	Renewable Energy Sources	191ES3T10	Internet of Things	100
	171AG3T03	Ground Water Hydrology, Wells and Pumps	191HS3T02	Managerial Economics and Financial Analysis	0
	171ES3T19	Properties and Strength of Materials	191AG3T01	Principles of Agronomy and Soil Science	10

III	171ES3T20	Electrical and Electronics Engineering	191AG3T02	Fluid Mechanics and Open Channel Hydraulics	0
	171ES3T21	Surveying and Leveling	191AG3T03	Surveying and Leveling	0
	171AG3L01	Soil Science and Agronomy Field Lab	191AG3L01	Principles of Agronomy and Soil Science Lab	20
	171ES3L11	Surveying and Leveling Lab	191AG3L02	Fluid Mechanics and Open Channel Hydraulics Lab	10
	171HS3A10	Employability Skills - I	191AG3L03	Surveying and Leveling Lab	0
	171HS3A09	Professional Ethics and Human Values	191MC3A03	Employability Skills – I	0
			191MC3A04	Essence of Indian Traditional Knowledge	100
IV	171AG4T04	Thermodynamics and Refrigeration Systems	191BS4T16	Numerical Methods & Statistical Techniques	100
	171AG4T05	Heat and Mass Transfer	191AG4T04	Thermodynamics and Refrigeration System	15
	171ES4T25	Fluid Mechanics and Open Channel Hydraulics	191AG4T05	Farm Power and Tractor Systems	15
	171AG4T06	Soil Mechanics	191AG4T06	Ground Water Hydrology	5
	171AG4T07	Surface Water Hydrology	191AG4T07	Heat and Mass Transfer	10
	171AG4T08	Engineering Properties of Biological Materials and Food Quality	191AG4T08	Surface Water Hydrology	0
	171ES4L14	Fluid Mechanics and Open Channel Hydraulics Lab	191AG4L04	Ground Water Hydrology Lab	100
	171ES4L15	Machine Drawing and Computer Graphics Lab	191AG4L05	Farm Power and Tractor Systems Lab	50
	171HS4A11	Employability Skills – II	191AG4L06	Heat and Mass Transfer lab	100
	171HS4A08	Intellectual Property Rights and Patents	191MC4A05	Employability Skills – II	0
			191MC4A06	Biology for Engineers	100
V	171AG5T09	Theory of Structures	171AG5T09	Theory of Structures	0
	171AG5T10	Irrigation and Drainage Engineering	171AG5T10	Irrigation and Drainage Engineering	0
	171AG5T11	Agricultural Process Engineering	171AG5T11	Agricultural Process Engineering	0
	171AG5T12	Agricultural Extension Techniques and Business Management	171AG5T12	Agricultural Extension Techniques and Business Management	0
	171AG5T13	Farm Power and Tractor Systems	171AG5T13	Farm Power and Tractor Systems	0
	171AG5E01	Agro Industries and Bi-Product Utilization	171AG5E01	Agro Industries and Bi-Product Utilization	0
	171HS5E01	Managerial Economics and Financial Analysis	171HS5E01	Managerial Economics and Financial Analysis	0
	171AG5E02	Rural Water Supply, Sanitation and Environmental Engineering	171AG5E02	Rural Water Supply, Sanitation and Environmental Engineering	0
	171HS5T06	Employability Skills - III	171HS5T06	Employability Skills - III	0
	171AG5L02	Agricultural Process Engineering Lab	171AG5L02	Agricultural Process Engineering Lab	0
	171AG5L03	Field Operation and Maintenance of Tractors Lab	171AG5L03	Field Operation and Maintenance of Tractors Lab	0

VI

171AG6T15	Farm Machinery and Equipment – I
171AG6T16	Design of Soil, Water Conservation and Farm Structures
171AG6T17	Post Harvest Engineering for Horticulture Produce
171AG6E03	GIS and Remote Sensing
171AG6E04	Human Engineering and Safety
171AG6E05	Production Technology of Agricultural Machinery
171AG6E06	Green House / Poly House Technology
171AG6E07	Optimization, Operations Research and Systems Engineering
171AG6E08	Industrial Engineering and Management
171HS6T07	Employability Skills - IV
171AG6L04	Farm Machinery Lab - I
171AG6L05	Soil and Water Engineering Lab
171AG6S02	MOOCs - II

VII

R1641351	Micro Irrigation Engineering
R1641352	Farm Machinery and Equipment-II
R1641353	Post- Harvest Engineering for Horticulture Produce
R1641354	Mechanical Measurements and Instrumentation
R164135A	Seed Processing and Storage Engineering
R164135B	Green House Technologies
R164135C	Food Processing Plant Design and Layout
R164135D	Watershed Management
R164135E	Food Packaging Technology
R164135F	Minor Irrigation and Command area development
R1641357	Farm Machinery Lab-2
R1641358	Dairy and Food Engineering Lab
R1642351	Design of Agricultural Machinery
R1642352	Agricultural Extension Techniques and Business Management
R1642353	Agro Industries and Bi-product Utilization

171AG6T15	Farm Machinery and Equipment – I	0
171AG6T16	Design of Soil, Water Conservation and Farm Structures	0
171AG6T17	Post Harvest Engineering for Horticulture Produce	0
171AG6E03	GIS and Remote Sensing	0
171AG6E04	Human Engineering and Safety	0
171AG6E05	Production Technology of Agricultural Machinery	0
171AG6E06	Green House / Poly House Technology	0
171AG6E07	Optimization, Operations Research and Systems Engineering	0
171AG6E08	Industrial Engineering and Management	0
171HS6T07	Employability Skills - IV	0
171AG6L04	Farm Machinery Lab - I	0
171AG6L05	Soil and Water Engineering Lab	0
171AG6S02	MOOCs – II	0
171AG7T18	Micro Irrigation Engineering	0
171AG7T19	Farm Machinery and Equipment – II	20
171AG7T20	Dairy and Food Engineering	0
171ES7T26	Mechanical Measurements and Instrumentation	0
171AG7E09	Seed Processing and Storage Engineering	20
171AG7E10	Food Processing Plant Design and Layout	0
171AG7E11	Food Packaging Technology	20
171AG7E12	Aqua Cultural Engineering	100
171AG7E13	Soil Dynamics in Tillage and Traction	100
171AG7E14	Computational Fluid Dynamics	100
171AG7L06	Farm Machinery Lab – II	20
171AG7L07	Dairy and Food Engineering Lab	20
171AG7P01	Industry Oriented (Internship) Minor Project	100
171AG8E15	Hydraulic Devices and Control	100
171AG8E16	Watershed Management	0
171AG8E17	Design of Agricultural Machinery	20

VIII	R164235A	GIS and remote sensing	171AG8O01	Digital Control systems	0
	R164235B	Human engineering and safety	171AG8O02	Industrial Pollution Control Engineering	20
	R164235C	Production Technology of Agricultural Machinery	171AG8O03	Mechatronics	100
	R1642355	Seminar	171AG8O04	Water Resources Systems Planning and Management	0
	R1642356	Project	171CS8O04	Operations Research	20
			171AG8O05	Image Processing Techniques	100
			171AG8P02	Major Project	0

[Signature]
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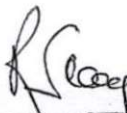
Department of Mining Engineering

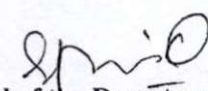
List of the Courses for The Academic year 2019-20			List of the Courses for The Academic year 2020-21		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	191HS1T01	Communicative English	201HS1T01	Communicative English	0
	191BS1T01	Differential Equations and Linear Algebra	201BS1T01	Differential equations and Linear algebra	0
	191BS1T02	Engineering Physics	201BS1T02	Engineering Physics	0
	191ES1T01	Programming for Problem Solving Using C	201ES1T03	Essential Electrical and Electronics Engineering	0
	191HS1L01	Communicative English Lab-I	201HS1L01	Communicative English Lab	30
	191BS1L01	Engineering Physics Lab	201BS1L01	Engineering Physics Lab	0
	191ES1L01	Programming for Problem Solving Using C Lab	201ES1T05	Engineering Graphics	0
	191ES1L02	Basic Engineering Workshop	201ES1L03	Essential Electrical and Electronics Engineering Lab	0
	191MC1A01	Environmental Science	201MC1T01	Environmental Science	0
	191MC1A02	Constitution of India			0
II	191BS2T05	Partial Differential Equations and Vector Calculus	201BS2T05	Partial Differential Equations and Vector Calculus	0
	191BS2T06	Chemistry of Materials	201BS2T08	Chemistry of Materials	0
	191ES2T04	Engineering Mechanics	201ES2T06	Engineering Mechanics	0
	191ES2T03	Essential Electrical and Electronics Engineering	201ES2T08	Programming for Problem Solving Using C	0
	191ES2T02	Engineering Graphics and Design	201ES2L07	Engineering Workshop	0
	191HS2L02	Communicative English Lab-II	201ES2L12	Computer Aided Drafting Lab	100
	191BS2L04	Engineering Chemistry Lab	201HS2L02	Professional Communications Skills Lab	0
	191ES2L03	Essential Electrical and Electronics Engineering Lab	201BS2L05	Engineering Chemistry Lab	0
	191ES2L12	Mining Engineering Workshop	201ES2L10	Programming for Problem Solving Using C Lab	0
	191PR2P01	Engineering Exploration Project	201MC2T02	Constitution of India	0
	171MI3T01	Introduction To Mining Technology	191BS3T15	Numerical Methods and Integral Transforms	20
	171MI3T02	Basic Mechanical Engineering For Mines	191ES3T10	Internet of Things	100
	171BS3T10	Probability and Statistics	191ES3T14	Basic Mechanical Engineering	0
	171ES3T22	Material Engineering	191MI3T02	Mine Surveying-I	15

III	171MI3T03	Mining Geology-I	191MI3T01	Mining Geology	0
	171ME3T01	Computer Aided Engineering Drawing Practice	191MI3T03	Development of Mineral Deposits	40
	171ES3L12	Electrical and Electronics Lab	191MI3L01	Geology Lab	20
	171ES3L13	Basic Mechanical Engineering Lab	191MI3L02	Basic Mechanical Engineering Lab	0
	171HS3A09	Professional Ethics and Human Values	191MC3A04	Essence of Indian Traditional Knowledge	0
	171HS3A10	Employability Skills-I	191MC3A03	Employability Skills – I	100
IV	171MI4T07	Surface Mining	191MI4T05	Surface Mining	45
	171MI4T06	Mine Surveying – I	191MI4T04	Mine Surveying-II	0
	171MI4T08	Fundamentals of Rock Mechanics	191MI4T07	Fundamentals of Rock Mechanics	0
	171MI4T04	Computer Application In Mining	191MI4T06	Underground Coal Mining Technology	0
	171ES4T27	Kinematics Of Machinery	191BS4T19	Complex Variables and Statistical Methods	0
	171MI4T05	Mining Geology –II	191MI4T08	Geo-statistics	100
	171MI4L01	Geology Lab	191MI4L03	Rock Mechanics Lab	0
	171MI4L02	Computer Application In Mining Lab	191ES4L18	Mine Surveying Lab	0
	171HS4A11	Employability Skills-II	191MC4A05	Employability Skills – II	0
	171HS4A08	Intellectual Property Rights and Patents	191MC4A06	Biology for Engineers	100
V	171MI5T09	Under Ground Coal Mining Technology	171MI5T09	Under Ground Coal Mining Technology	0
	171MI5T10	Mine Environment Engineering - I	171MI5T10	Mine Environment Engineering - I	0
	171MI5T11	Basic Geo Mechanics	171MI5T11	Basic Geo Mechanics	0
	171MI5T12	Mine Surveying - II	171MI5T12	Mine Surveying - II	0
	171HS5T04	Managerial Economics and Financial Analysis	171HS5T04	Managerial Economics and Financial Analysis	0
	171MI5E01	Maintenance and Reliability Engineering	171MI5E01	Maintenance and Reliability Engineering	0
	171MI5E02	Mine Construction and Management	171MI5E02	Mine Construction and Management	0
	171MI5E03	Industrial Management and Labor Relations	171MI5E03	Industrial Management and Labor Relations	0
	171HS5T06	Employability Skills – III	171HS5T06	Employability Skills – III	0
	171MI5L03	Rock Mechanics Lab	171MI5L03	Rock Mechanics Lab	0
	171MI5L04	Mine Surveying Lab	171MI5L04	Mine Surveying Lab	0
	171MI5S01	MOOCs - I	171MI5S01	MOOCs-I	0
	171MI6T13	Under Ground Metal Mining Technology	171MI6T13	Under Ground Metal Mining Technology	0
	171MI6T14	Mineral Processing Technology	171MI6T14	Mineral Processing Technology	0
	171MI6T15	Mine Environment Engineering - II	171MI6T15	Mine Environment Engineering - II	0

VI	171MI6T16	Mining Machinery	171MI6T16	Mining Machinery	0
	171MI6E04	Advanced Geo Mechanics	171MI6E04	Advanced Geo Mechanics	0
	171MI6E05	Mine Fire and Spontaneous Heating	171MI6E05	Mine Fire and Spontaneous	0
	171MI6E06	Mineral Exploration	171MI6E06	Mineral Exploration	0
	171MI6E07	Advance Surveying Technology	171MI6E07	Advance Surveying Technology	0
	171MI6E08	Mine Subsidence Engineering	171MI6E08	Mine Subsidence Engineering	0
	171MI6E09	Rock Fragmentation Engineering	171MI6E09	Rock Fragmentation Engineering	0
	171HS6T07	Employability Skills - IV	171HS6T07	Employability Skills - IV	0
	171MI6L05	Mineral Processing Technology Lab	171MI6L05	Mineral Processing Technology Lab	0
	171MI6L06	Environmental Engineering Lab	171MI6L06	Environmental Engineering Lab	0
	171MI6S02	MOOCs II	171MI6S02	MOOCs II	0
	R1641261	Computer Applications in Mining	171MI7T17	Mine Economics	20
	R1641262	Underground Metal Mining Technology	171MI7T18	Mine Health and Safety Engineering	20
VII	R1641263	Rock Mechanics & Ground Control	171MI7T19	Mine Legislation and General Safety	0
	R1641264	Mine Legislation & General Safety	171MI7T20	Mine Management	100
	R164126A	Rock Slope Engineering	171MI7E10	Planning of UGMM Project	0
	R164126B	Mine Subsidence Engineering	171MI7E11	Planning of UGCM Project	0
	R164126C	Rock Fragmentation Engineering	171MI7E12	Planning of Surface Mining Project	0
	R164126D	Deep Sea Mining	171MI7E13	Mine mechanization	0
	R164126E	Mine Construction Engineering	171MI7E14	Advance Underground Coal Mining Technology	100
	R164126F	Tunneling Engineering	171MI7E15	Mine Blasting operation	10
	R1641019	IPR & Patents	171MI7L07	Mine Planning and Design Lab	0
	R1641267	Computer Applications in Mining Lab	171ES7L16	Mechanical Engineering Lab	100
	R1641268	Rock Mechanics & Ground Control Lab	171MI7P01	Industry Oriented (Internship) Minor Project	100
		Short Survey Camp (One Week)	171MI8E16	Mine Systems Engineering	100
	R1642031	Production Planning and Control	171MI8E17	Advance Surface Mining Technology	100
VIII	R1642261	Mine Economics & Investment	171MI8E18	Advanced Underground Metal Mining Technology	100
	R1642262	Mine Health and Safety Engineering	171EE8O05	Robotics	100
	R164226A	Planning of Underground Metal Mining Projects	171MI8O01	Environmental Impact Assessment	100
	R164226B	Planning of Underground Coal Mining Projects	171MI8O02	Mine Closure and Reclamation	100
	R164226C	Planning of Surface Mining Projects	171MI8O03	Fundamentals of Communication	100

VIII	R1642265	Seminar	171MI8O04	Remote Sensing and GIS	100
	R1642266	Project	171MI8O05	Quantitative Decision Making	100
			171MI8P02	Major Project	0


Program Coordinator


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Head of the Department
DEPARTMENT OF MINING ENGINEERING
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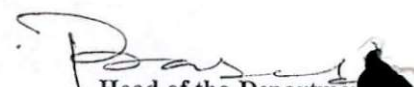
Department of Mechanical Engineering

Thermal Engineering

List of Courses for the Academic Year 2019-20			List of Courses for the Academic Year 2020-21		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	192TE1T01	Advanced Fluid Mechanics	192TE1T01	Advanced Fluid Mechanics	0
	192TE1T02	Computational Fluid Dynamics	192TE1T02	Computational Fluid Dynamics	0
	192TE1E01	Advanced IC Engines, Electric and	192TE1E01	Advanced IC Engines, Electric and	0
	192TE1E02	Gas Dynamics	192TE1E02	Gas Dynamics	0
	192TE1E03	Cryogenic Engineering	192TE1E03	Cryogenic Engineering	0
	192TE1E04	Advanced Thermodynamics	192TE1E04	Advanced Thermodynamics	0
	192TE1E05	Gas Turbines	192TE1E05	Gas Turbines	0
	192TE1E06	Alternative Fuel Technologies	192TE1E06	Alternative Fuel Technologies	0
	192TE1E07	Energy Conservation and	192TE1E07	Energy Conservation and Management	0
	192TE1E08	Theory And Technology of Fuel Cells	192TE1E08	Theory And Technology of Fuel Cells	0
	192HS1T01	Research Methodology and IPR	192HS1T01	Research Methodology and IPR	0
	192TE1L01	Computational Fluid Dynamics Lab-I	192TE1L01	Computational Fluid Dynamics Lab-I	0
	19TE1L02	Thermal Engineering Lab -I	19TE1L02	Thermal Engineering Lab -I	0
I/II	192MC1A01/ 192MC2A01	English for Research Paper Writing	192MC1A01/ 192MC2A01	English for Research Paper Writing	0
	192MC1A02/ 192MC2A02	Disaster Management	192MC1A02/ 192MC2A02	Disaster Management	0
	192MC1A03/ 192MC2A03	Sanskrit for Technical Knowledge	192MC1A03/ 192MC2A03	Sanskrit for Technical Knowledge	0
	192MC1A04/ 192MC2A04	Value Education	192MC1A04/ 192MC2A04	Value Education	0
	192MC1A05/ 192MC2A05	Constitution of India	192MC1A05/ 192MC2A05	Constitution of India	0
	192MC1A06/ 192MC2A06	Pedagogy Studies	192MC1A06/ 192MC2A06	Pedagogy Studies	0
	192MC1A07/ 192MC2A07	Stress Management By YOGA	192MC1A07/ 192MC2A07	Stress Management By YOGA	0
	192MC1A08/ 192MC2A08	Personality Development Through Life Enlightenment Skills	192MC1A08/ 192MC2A08	Personality Development Through Life Enlightenment Skills	0
II	192MC1A09/ 192MC2A09	Soft Skills	192MC1A09/ 192MC2A09	Soft Skills	0
	192TE2T03	Advanced Heat Transfer	192TE2T03	Advanced Heat Transfer	0
	192TE2T04	Thermal Measurements and Process Controls	192TE2T04	Thermal Measurements and Process Controls	0
	192TE2E09	Equipment Design for Thermal Systems	192TE2E09	Equipment Design for Thermal Systems	0
	192TE2E10	Solar Energy Technologies	192TE2E10	Solar Energy Technologies	0
	192TE2E11	Advanced Power Plant Engineering	192TE2E11	Advanced Power Plant Engineering	0
	192TE2E12	Combustion, Emissions and Environment	192TE2E12	Combustion, Emissions and Environment	0
	192TE2E13	Jet Propulsion and Rocket Engineering	192TE2E13	Jet Propulsion and Rocket Engineering	0
	192TE2E14	Automotive Engineering	192TE2E14	Automotive Engineering	0
	192TE2E15	Modeling and I.C. Engines	192TE2E15	Modeling and I.C. Engines	0
	192TE2E16	Renewable Energy Technologies	192TE2E16	Renewable Energy Technologies	0
	192TE2L03	Computational Fluid Dynamics Lab-II	192TE2L03	Computational Fluid Dynamics Lab-II	0

III	192TE2L04	Thermal Engineering Lab -II	192TE2L04	Thermal Engineering Lab -II	0
	192TE2P01	Mini Project with Seminar	192TE2P01	Mini Project with Seminar	0
	172TE3C01	Comprehensive Viva-Voce	192TE3E17	Optimization Techniques and Applications	0
	172TE3R01	Seminar – I	192TE3E18	Design and Analysis of Experiments	100
		Project Work Part - I	192TE3E19	Convective Heat Transfer	0
			192TE3E20	Waste to Energy	100
IV			192TE3O01	Energy Systems	100
			192TE3O02	Fuels and Combustion	100
			192TE3O03	Green Engineering Technology	100
			192TE3O04	IC Engines	100
			192TE3O05	Automotive Technology	100
			192TE3P02	Dissertation I/	0
	172TE4C02	Seminar – II	192TE4P03	Dissertation II	0
	172TE4P01	Project Work Part - II			


Program Coordinator


Head of the Department

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Department of Electrical and Electronics Engineering

Power Electronics and Electric Drives

List of Courses for the Academic Year 2019-20

List of Courses for the Academic Year 2020-21

Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing
I	192PD1T01	Electrical Machine Modeling and Analysis	192PD1T01	Electrical Machine Modeling and Analysis	0
	192PD1T02	Analysis of Power Electronic Converters	192PD1T02	Analysis of Power Electronic Converters	0
	192PD1E01	Modern Control Theory	192PD1E01	Modern Control Theory	0
	192PD1E02	Power Quality and Custom Power Devices	192PD1E02	Power Quality and Custom Power Devices	0
	192PD1E03	Programmable Logic Controllers & Applications	192PD1E03	Programmable Logic Controllers & Applications	0
	192PD1E04	Artificial Intelligence Techniques	192PD1E04	Artificial Intelligence Techniques	0
	192PD1E05	Renewable Energy Technologies	192PD1E05	Renewable Energy Technologies	0
	192PD1E06	HVDC Transmission and Flexible AC Transmission Systems	192PD1E06	HVDC Transmission and Flexible AC Transmission Systems	0
	192HS1T01	Research Methodology and IPR	192HS1T01	Research Methodology and IPR	0
	192PD1L01	Power Electronics Simulation Laboratory	192PD1L01	Power Electronics Simulation Laboratory	0
	192PD1L02	Power Converters Laboratory	192PD1L02	Power Converters Laboratory	0
I/II	192PD1L02	Power Converters Laboratory	192PD1L02	Power Converters Laboratory	0
	19MC1A01 19MC2A01	English for Research Paper Writing	19MC1A01 19MC2A01	English for Research Paper Writing	0
	19MC1A02 19MC2A02	Disaster Management	19MC1A02 19MC2A02	Disaster Management	0
	19MC1A03 19MC2A03	Sanskrit for Technical Knowledge	19MC1A03 19MC2A03	Sanskrit for Technical Knowledge	0
	19MC1A04 19MC2A04	Value Education	19MC1A04 19MC2A04	Value Education	0
	19MC1A05 19MC2A05	Constitution of India	19MC1A05 19MC2A05	Constitution of India	0
	19MC1A06 19MC2A06	Pedagogy Studies	19MC1A06 19MC2A06	Pedagogy Studies	0
	19MC1A07 19MC2A07	Stress Management by Yoga	19MC1A07 19MC2A07	Stress Management by Yoga	0
	19MC1A08 19MC2A08	Personality Development through Life Enlightenment Skills	19MC1A08 19MC2A08	Personality Development through Life Enlightenment Skills	0
	19MC1A09 19MC2A09	Soft Skills	19MC1A09 19MC2A09	Soft Skills	0
II	192PD2T03	Switched Mode Power Conversion	192PD2T03	Switched Mode Power Conversion	0
	192PD2T04	Power Electronic Control of Electrical Drives	192PD2T04	Power Electronic Control of Electrical Drives	0
	192PD2E07	Control & Integration of Renewable Energy Systems	192PD2E07	Control & Integration of Renewable Energy Systems	0
	192PD2E08	Hybrid Electric Vehicles	192PD2E08	Hybrid Electric Vehicles	0
	192PD2E09	Digital Control Systems	192PD2E09	Digital Control Systems	0
	192PD2E10	Advanced Digital Signal Processing	192PD2E10	Advanced Digital Signal Processing	0
	192PD2E11	Applications of Power Converters	192PD2E11	Applications of Power Converters	0

	192PD2E12	Microcontrollers	192PD2E12	Microcontrollers	0
		Electric Drives Simulation		Electric Drives Simulation	0
	192PD2L03	Laboratory	192PD2L03	Laboratory	0
	192PD2L04	Electric Drives Laboratory	192PD2L04	Electric Drives Laboratory	0
III	192PD2P01	Mini Project with Seminar	192PD2P01	Mini Project with Seminar	0
	172PD3C01	Comprehensive Viva-Voce	192PD3P02	Dissertation I/Industrial Project	0
				Digital Signal Processing	100
	172PD3R01	Seminar – I	192PD3E13	Controlled Drives	100
	---	Project Work Part - I	192PD3E14	Smart Grid Technologies	0
				Modeling & Simulation of Power	100
			192PD3E15	Electronic Systems	0
				Renewable Energy Technologies	0
			192PD3O01	Hybrid Electric Vehicles	0
			192PD3O02	Energy Audit and conservation	0
				Management	0
			192PD3O04	Neural Networks and Fuzzy Logic	0
			192PD3O05	Industrial Safety	0
			192PD3O06	Composite Materials	0
IV	172PD4R02	Seminar – II	192PD4P03	Dissertation II	0
	172PD4P01	Project Work Part - II			



Program Coordinator



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Head of The Department
Dept. Of Electrical & Electronics Engineering
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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Program: M. Tech in Computer Science and Engineering

List of courses for the Academic Year 2019-2020

Semester	Course Code	Course Name
I	192CS1T01	Mathematical Foundations of Computer Science
	192CS1T02	Advanced Data Structures & Algorithms
	192CS1E01	Big Data Analytics
	192CS1E02	Digital Image Processing
	192CS1E03	Advanced Operating Systems
	192CS1E04	Advanced Computer Networks
	192CS1E05	Internet of Things
	192CS1E06	Object Oriented Software Engineering
	192HS1T01	Research Methodology and IPR
	192CS1L01	Advanced Data Structures & Algorithms Lab
	192CS1L02	Advanced Computing Lab
II	192CS2T03	Machine learning
	192CS2T04	MEAN Stack Technologies
	192CS2E07	Advanced Databases and Mining
	192CS2E08	Ad Hoc & Sensor Networks
	192CS2E09	Soft Computing
	192CS2E10	Cloud Computing
	192CS2E11	Principles of computer security
	192CS2E12	High Performance Computing
	192CS2L03	Machine Learning with Python lab
	192CS2L04	MEAN Stack Technologies Lab
	192CS2P01	Mini Project with Seminar
	192MC1A01// 192MC2A01	English for Research Paper Writing
	191MC2A02 /192MC2A02	Disaster Management

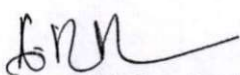
List of courses for the Academic Year 2020-2021

Course Code	Course Name	% of content revised for the existing year
192CS1T01	Mathematical Foundations of Computer Science	0
192CS1T02	Advanced Data Structures & Algorithms	0
192CS1E01	Big Data Analytics	0
192CS1E02	Digital Image Processing	0
192CS1E03	Advanced Operating Systems	0
192CS1E04	Advanced Computer Networks	0
192CS1E05	Internet of Things	0
192CS1E06	Object Oriented Software Engineering	0
192HS1T01	Research Methodology and IPR	0
192CS1L01	Advanced Data Structures & Algorithms Lab	0
192CS1L02	Advanced Computing Lab	0
192CS2T03	Machine learning	0
192CS2T04	MEAN Stack Technologies	0
192CS2E07	Advanced Databases and Mining	0
192CS2E08	Ad Hoc & Sensor Networks	0
192CS2E09	Soft Computing	0
192CS2E10	Cloud Computing	0
192CS2E11	Principles of computer security	0
192CS2E12	High Performance Computing	0
192CS2L03	Machine Learning with Python lab	0
192CS2L04	MEAN Stack Technologies Lab	0
192CS2P01	Mini Project with Seminar	0
192MC1A01// 192MC2A01	English for Research Paper Writing	0
191MC2A02 /192MC2A02	Disaster Management	0

III	192MC1A03// 192MC2A03	Sanskrit for Technical Knowledge	192MC1A03// 192MC2A03	Sanskrit for Technical Knowledge	0
	192MC1A04/ 92MC2A04	Value Education	192MC1A04/ 92MC2A04	Value Education	0
	192MC1A05/ 92MC2A05	Constitution of India	192MC1A05/ 92MC2A05	Constitution of India	0
	192MC1A06 /192MC2A06	Pedagogy Studies	192MC1A06 /192MC2A06	Pedagogy Studies	0
	192MC1A07 /192MC2A07	Stress Management by Yoga	192MC1A07 /192MC2A07	Stress Management by Yoga	0
	192MC1A08 /192MC2A08	Personality Development through Life Enlightenment Skills	192MC1A08 /192MC2A08	Personality Development through Life Enlightenment Skills	0
	192MC1A09 /192MC2A09	Soft Skills	192MC1A09 /192MC2A09	Soft Skills	0
	172CO3C01	Comprehensive Viva-Voce	192CS3P02	Dissertation-I/ Industrial Project	0
	172CO3R01	Seminar - I	192CS3E13	Deep Learning	100
			192CS3E14	Social Network Analysis	100
			192ST3O01	Repair & Rehabilitation of Structures	100
			192ST3O02	Green Building Systems	100
			192ST3O03	Basic Concrete Technology	100
			192ST3O04	Basic Foundation Engineering	100
			192PD3O01	Renewable Energy Technologies	100
			192PD3O02	Hybrid Electric Vehicles	100
			192PD3O03	Energy Audit and conservation Management	100
			192PD3O04	Neural Networks and Fuzzy Logic	100
			192PD3O05	Industrial Safety	100
			192PD3O06	Composite Materials	100
			192TE3O01	Energy Systems	100
			192TE3O02	Fuels and Combustion	100
			192TE3O03	Green Engineering Technology	100
			192TE3O04	IC Engines	100
			192TE3O05	Automotive Technology	100
			192ES3O01	Embedded System Design	100
			192ES3O02	Digital System Design	100
			192ES3O03	Programming Languages for Embedded Systems	100
			192ES3O04	Sensors & Actuators	100

IV			192VD3O01	Physical Design Automation	100
			192VD3O02	VLSI Technology	100
			192VD3O03	Nano-electronics	100
			192CS3O05	Artificial Intelligence	100
			192CS3O06	Deep Learning	100
			192PE3O01	Introduction to Petroleum Engineering	100
			192PE3O02	Process Intensification	100
			192PE3O03	Fundamentals of Liquefied Natural Gas	100
			192PE3O04	Subsea Engineering	100
			192PE3O05	Geology	100
			192PE3O06	HSE in Petroleum Industry	100
			192CS4P03	Dissertation-II	0
IV	172CO4R02	Seminar - II			
	172C04P01	Project Work Part- - II			


Program Coordinator


Head of the Department
Head of the Department
Department of CSE
BITVA ENGINEERING COLLEGE



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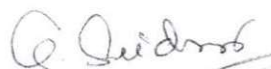
Department of Electronics and Communication Engineering

Programme Name : M.Tech VLSI Design

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	192VD1T01	CMOS Analog IC Design	192VD1T01	CMOS Analog IC Design	0
	192VD1T02	CMOS Digital IC Design	192VD1T02	CMOS Digital IC Design	0
	192HS1T01	Research methodology and IPR	192HS1T01	Research methodology and IPR	0
	192VD1E01	VLSI Technology	192VD1E01	VLSI Technology	0
	192VD1E02	Nano materials and Nanotechnology	192VD1E02	Nano materials and Nanotechnology	0
	192VD1E03	MEMS Technology	192VD1E03	MEMS Technology	0
	192VD1E04	Device Modelling	192VD1E04	Device Modelling	0
	192VD1E05	Nano-Electronics	192VD1E05	Nano-Electronics	0
	192VD1E06	Photonics	192VD1E06	Photonics	0
	192VD1L01	CMOS Analog IC Design Lab	192VD1L01	CMOS Analog IC Design Lab	0
II	192VD1L02	CMOS Digital IC Design Lab	192VD1L02	CMOS Digital IC Design Lab	0
	192MC1A01	English for Research Paper Writing	192MC1A01	English for Research Paper Writing	0
	192MC1A02	Disaster Management	192MC1A02	Disaster Management	0
	192MC1A03	Sanskrit for Technical Knowledge	192MC1A03	Sanskrit for Technical Knowledge	0
	192MC1A04	Value Education	192MC1A04	Value Education	0
	192MC1A05	Constitution of India	192MC1A05	Constitution of India	0
	192MC1A06	Pedagogy Studies	192MC1A06	Pedagogy Studies	0
	192MC1A07	Stress Management by Yoga	192MC1A07	Stress Management by Yoga	0
	192MC1A08	Personality Development through Life Enlightenment Skills	192MC1A08	Personality Development through Life Enlightenment Skills	0

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
II	192MC1A09	Soft Skills	192MC1A09	Soft Skills	0
	192VD2T03	Mixed Signal & RF IC Design	192VD2T03	Mixed Signal & RF IC Design	0
	192VD2T04	Physical Design Automation	192VD2T04	Physical Design Automation	0
	192VD2E07	Design For Testability	192VD2E07	Design For Testability	0
	192VD2E08	IoT & Its Applications	192VD2E08	IoT & Its Applications	0
	192VD2E09	VLSI Signal Processing	192VD2E09	VLSI Signal Processing	0
	192VD2E10	Microcontrollers & programmable Digital Signal Processors	192VD2E10	Microcontrollers & programmable Digital Signal Processors	0
	192EM2E11	Network Security & Cryptography	192EM2E11	Network Security & Cryptography	0
	192VD2E11	Low Power VLSI Design	192VD2E11	Low Power VLSI Design	0
	192VD2L03	Mixed Signal IC Design Lab	192VD2L03	Mixed Signal IC Design Lab	0
	192VD2L04	Physical Design Automation Lab	192VD2L04	Physical Design Automation Lab	0
	192VD2P01	Mini Project with Seminar	192VD2P01	Mini Project with Seminar	0
III	172VD3C01	Comprehensive Viva-Voce	192VD3E12	Scripting Languages for VLSI	100
			192VD3E13	Digital System Design & Verification	100
			192EM3E14	Hardware Software co-design	0
	172VD3R01	Seminar – I	192ES3O02	Digital System Design	100
			192VD3O01	Physical Design Automation	100
			192VD3O02	VLSI Technology	100
	-	Project Work Part – I	192VD3O03	Nano-electronics	100
			192VD3P03	Dissertation-I/ Industrial Project	0
IV	172VD4R02	Seminar – II	192VD4P04	Dissertation-II	0
	172VD4P01	Project Work Part - II			


Program Coordinator


Head of the Department
Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)



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Program Name: M.Tech Structural Engineering

Comparison of new courses introduced in the academic year 2020-2021

List of Courses for the Academic Year 2019-2020			List of Courses for the Academic Year 2020-2021			
Semester	Course Code	Course Name	Semester	Course Code	Course Name	Percentage of content changed for existing year
I	192ST1T01	Theory of Elasticity	I	192ST1T01	Theory of Elasticity	0
	192ST1T02	Structural dynamics		192ST1T02	Structural dynamics	0
	192ST1T03	Advanced Concrete Technology		192ST1T03	Advanced Concrete Technology	0
	1925T1E03	Design of RCC Foundations		1925T1E03	Design of RCC Foundations	0
	1925T1E01	Matrix Analysis of Structures		1925T1E01	Matrix Analysis of Structures	0
	1925T1E02	Analytical & Numerical Method for Structural Engineering		1925T1E02	Analytical & Numerical Method for Structural Engineering	0
	1925T1E05	Repair & Rehabilitation of Structures		1925T1E05	Repair & Rehabilitation of Structures	0
	1925T1E04	Bridge Engineering		1925T1E04	Bridge Engineering	0
	1925T1E06	Advanced Reinforced Concrete Design		1925T1E06	Advanced Reinforced Concrete Design	0
	1925T1L01	Advanced Concrete Technology Laboratory		1925T1L01	Advanced Concrete Technology Laboratory	0
	1925T1L02	Advanced Structural Engineering Laboratory		1925T1L02	Advanced Structural Engineering Laboratory	0
II	192ST2T04	Finite Element Methods in Structural Engineering	II	192ST2T04	Finite Element Methods in Structural Engineering	0
	192ST2T05	Theory of Plates and Shells		192ST2T05	Theory of Plates and Shells	0
	1925T2E07	Stability of Structures		1925T2E07	Stability of Structures	0
	1925T2E08	Advanced Steel Design		1925T2E08	Advanced Steel Design	0
	1925T2E09	Analysis of offshore Structures		1925T2E09	Analysis of offshore Structures	0
	1925T2E10	Earthquake Restant Design of Buildings		1925T2E10	Earthquake Restant Design of Buildings	0
	1925T2E11	Precast and Prefabricated Structures		1925T2E11	Precast and Prefabricated Structures	0
	1925T2E12	Earth Retaining Structures		1925T2E12	Earth Retaining Structures	0
	192ST2L03	Computer Aided Design Laboratory		192ST2L03	Computer Aided Design Laboratory	0
	192ST2L04	Structural Design Laboratory		192ST2L04	Structural Design Laboratory	0

	192ST2P01	Mini Project With Seminar		192ST2P01	Mini Project With Seminar	0
I/II	192MC1A01/1 92MC2A01	English for Research Paper Writing	I/II	192MC1A01/1 92MC2A01	English for Research Paper Writing	0
	192MC1A02/1 92MC2A02	Disaster Management		192MC1A02/1 92MC2A02	Disaster Management	0
	192MC1A03/1 92MC2A03	Sanskrit for Technical Knowledge		192MC1A03/1 92MC2A03	Sanskrit for Technical Knowledge	0
	192MC1A04/1 92MC2A04	Value Education		192MC1A04/1 92MC2A04	Value Education	0
	192MC1A05/1 92MC2A05	Constitution of India		192MC1A05/1 92MC2A05	Constitution of India	0
	192MC1A06/1 92MC2A06	Pedagogy Studies		192MC1A06/1 92MC2A06	Pedagogy Studies	0
	192MC1A07/1 92MC2A07	Stress Management by Yoga		192MC1A07/1 92MC2A07	Stress Management by Yoga	0
	192MC1A08/1 92MC2A08	Personality Development through Life Enlightenment Skills		192MC1A08/1 92MC2A08	Personality Development through Life Enlightenment Skills	0
	192MC1A09/1 92MC2A09	Soft Skills		192MC1A09/1 92MC2A09	Soft Skills	0
III	172SE3C01	Comprehensive Viva - Voce	III	192ST3E13	Design of Pre-stressed Concrete structures	33
	172SE3R01	Seminar-1		192ST3E14	Structural Health Monitoring	100
		Project Work Part -1		192ST3E15	Industrial Structures	0
IV	172SE4R02	Seminar -II		192STMOOC1	MOOCS-I*	0
	172SE4P01	Project Work Part -II		---	MOOCs-II #	0
				192ST3O01	Repair & Rehabilitation of Structures	100
				192ST3O02	Green Building Systems	100
				192ST3O03	Basic Concrete Technology	100
				192ST3O04	Basic Foundation Engineering	100
				192ST3P02	Dissertation-I/ Industrial Project	0
			IV	192ST4P03	Dissertation - II	0

Program coordinator

Head of the Department
Head of the Department
Dept. of Civil Engineering
ADITYA ENGINEERING COLLEGE (A9)



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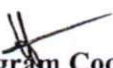
DEPARTMENT OF PETROLEUM TECHNOLOGY

Programme Name :M. Tech PE

List of courses for the Academic Year 2019-2020			List of courses for the Academic Year 2020-2021		
Seme ster	Course Code	Course Name	Course Code	Course Name	% of content revised for the existing year
I	192PE1T01	Offshore Drilling.	192PE1T01	Offshore Drilling.	0
	192PE1T02	Fundamentals of Petroleum Geology and Reservoir Engineering. (NON-PE stream)	192PE1T02	Fundamentals of Petroleum Geology and Reservoir Engineering. (NON-PE stream)	0
	192PE1T03	Reservoir Stimulation (PE stream)	192PE1T03	Reservoir Stimulation (PE stream)	0
	192PE1T04	Petroleum Well Drilling and Production Engineering. (NON-PE stream)	192PE1T04	Petroleum Well Drilling and Production Engineering. (NON-PE stream)	0
	192PE1E01	Advanced Numerical Methods and Applied Statistics	192PE1E01	Advanced Numerical Methods and Applied	0
	192PE1E02	CBMand Shale Gas Engineering	192PE1E02	CBMand Shale Gas Engineering	0
	192PE1E03	Transportation of Oil and Gas	192PE1E03	Transportation of Oil and Gas	0
	192PE1E04	Advanced Well Logging Techniques and Well Testing Analysis	192PE1E04	Advanced Well Logging Techniques and Well Testing Analysis	0
	192HS1T01	Research Methodology and IPR	192HS1T01	Research Methodology and IPR	0

	192PE1L01	Advanced Numerical Methods and		192PE1L01	Advanced Numerical Methods and	0
	192PE1L02	Drilling Simulation Laboratory		192PE1L02	Drilling Simulation Laboratory	0
II	192PE2T05	Artificial Lift Techniques		192PE2T05	Artificial Lift Techniques	0
	192PE2T06	Reservoir Modeling and Simulation		192PE2T06	Reservoir Modeling and Simulation	0
	192PE2E05	Advanced EOR Techniques		192PE2E05	Advanced EOR Techniques	0
	192PE2E06	Advanced Well Completions		192PE2E06	Advanced Well Completions	0
	192PE2E07	Flow Assurance		192PE2E07	Flow Assurance	0
	192PE2E08	Advanced Horizontal Well Technology		192PE2E08	Advanced Horizontal Well Technology	0
	192PE2L03	Reservoir Simulation Laboratory		192PE2L03	Reservoir Simulation Laboratory	0
	192PE2L04	Flow Assurance Laboratory		192PE2L04	Flow Assurance Laboratory	0
	192PE2P01	Mini Project with Seminar		192PE2P01	Mini Project with Seminar	0
I & II	192MC1A01/ 192MC2A01	English for Research Paper Writing		192MC1A01/ 192MC2A01	English for Research Paper Writing	0
	192MC1A02/ 192MC2A02	Disaster Management		192MC1A02/ 192MC2A02	Disaster Management	0
	192MC1A03/ 192MC2A03	Sanskrit for Technical Knowledge		192MC1A03/ 192MC2A03	Sanskrit for Technical Knowledge	0
	192MC1A04/ 192MC2A04	Value Education		192MC1A04/ 192MC2A04	Value Education	0
	192MC1A05/ 192MC2A05	Constitution of India		192MC1A05/ 192MC2A05	Constitution of India	0
	192MC1A06/ 192MC2A06	Pedagogy Studies		192MC1A06/ 192MC2A06	Pedagogy Studies	0

	192MC1A07/ 192MC2A07	Stress Management by Yoga		192MC1A07/1 92MC2A07	Stress Management by Yoga	0
	192MC1A08/ 192MC2A08	Personality Development through Life Enlightenment Skills		192MC1A08/1 92MC2A08	Personality Development through Life Enlightenment Skills	0
	192MC1A09/ 192MC2A09	Soft Skills		192MC1A09/ 192MC2A09	Soft Skills	0
III	172PE3C01	Comprehensive Viva-Voce		192PE3O01	Introduction to Petroleum Engineering	100
	172PE3R01	Seminar - I		192PE3O02	Process Intensification	100
				192PE3O03	Fundamentals of Liquefied Natural Gas	100
				192PE3O04	Subsea Engineering	100
				192PE3O05	Geology	100
				192PE3O06	HSE in Petroleum Industry	100
				192PE3P02	Dissertation-I/ Industrial Project	0
IV	172PE4R02	Seminar - II		192PE4P03	Dissertation-II	0
	172PE4R01	Project Work Part- - II				


Program Coordinator


Head of the Department

Head of the Department
Department of Petroleum Technology
Aditya Engineering College (A)
SURAMPALAM-5 437

III

III					Change Manageme nt	
	174MB3T15	Business Ethics & Corporate Governance	0	194HR3E02	Performan ce Evaluation and Compensat ion Manageme nt	40
	174HR3E01	Leadership Management	0	194HR3E03	Human Capital Manageme nt	100
	174HR3E02	Compensation & Reward Management	0	194HR3E04	Manpower Planning, Recruitme nt, and Selection	100
	174HR3E03	Performance Management	0	194HR3E02	Investment Analysis and Portfolio Manageme nt	50
	174HR3E04	Strategic Human Resource Management	0	194FI3E02	Managing Banks and Financial Institutions	20
	174FI3E01	Security Analysis & Portfolio Management	0	194FI3E03	Financial Markets and Services	20
	174FI3E02	Banking & Insurance Management	0	194FI3E04	Taxation	50
	174FI3E03	Advance Management Accounting	0	194MA3E01	Consumer Behavior	40
	174FI3E04	Strategic Financial Management	0	194MA3E02	Retail Manageme nt	50
	174MA3E01	Consumer Behavior	0	194MA3E03	Strategic Marketing Manageme nt	0
	174MA3E02	Retail Management	0	194MA3E04	Digital and Social Media Marketing	100
	174MA3E03	Customer	0	194MB3P01	Industrial	0

		Relationship Management			Project based on Summer Internship	
	174MA3E04	Strategic Marketing	0	194MA3E03	Strategic Marketing Management	0
IV	174MB4T16	Logistic & Supply Chain Management	0	194MB4T14	Supply Chain Management and Analytics	20
	174MB4T17	Entrepreneurship Development	0	194MB4T15	Innovation and Entrepreneurship	100
	174HR4E01	Organizational Development & Change Management	0	194HR4E05	Labour Welfare and employment laws	100
	174HR4E02	Global Human Resource Management	0	194HR4E06	International HRM	40
	174HR4E03	Labor Welfare & Legislation	0	194HR4E07	Employee Relations and Engagement	100
	174HR4E04	Management of Industrial Relations	0	194HR4E08	Strategic HRM	0
	174FI4E01	Financial Markets & Services	0	194FI4E05	Financial Derivatives	100
	174FI4E02	Global Financial Management	0	194FI4E06	International HRM	0
	174FI4E03	Risk Management	0	194FI4E07	Risk Management	20
	174FI4E04	Tax Management	0	194FI4E08	Behavioral Finance	100
	174MA4E01	Services Marketing	0	194MA4E05	Services Marketing	0
	174MA4E02	Promotional Distribution Management	0	194MA4E06	Promotional and Distribution Management	20

				nt	
174MA4E03	Global Marketing Management	0	194MA4E07	Green Marketing	100
174MA4E04	Supply Chain Management	0	194MA4E08	Global Marketing Management	100
174MB4P02	Major Project	0	194MB4C01	Comprehensive Viva - Voce	0
174SY3E01	E-Business	0	194SY3E01	Data Mining for Business Decisions	100
174SY3E02	RDBMS	0	194SY3E02	Managing Software Projects	100
174SY3E03	System Analysis & Design	0	194SY3E03	Web Designing	0
174SY3E04	Web Designing	0	194SY3E04	Business Analytics	0
174SY4E01	Business Intelligence	0	194SY4E05	Big Data Analytics	100
174SY4E02	Enterprise Resource Planning	0	194SY4E06	Enterprise Resource Planning	0
174SY4E03	Cyber Laws & Security	20	194SY4E07	Cyber Laws & Security	0
174SY4E04	Information Systems Audit	20	194SY4E08	Artificial Intelligence and Machine Learning	100

A. nebyi
Program Coordinator

N. Viral
Head of the Department
Head of the Department
Department of Management Studies
Aditya Engineering College (A)
SURAMPALEM



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Department of Management Studies

Programme Name: IMBA

List of Courses for the Academic Year 2019-20				List of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Percentage of content changed for existing year	Course Code	Course Name	Percentage of content changed for existing year
I	175IM1T01	English Language – I	0	195IM1T01	English Language – I	0
	175IM1T02	Business Mathematics & Statistics	0	195IM1T02	Business Mathematics & Statistics	0
	175IM1T03	Fundamentals of Business Organization	0	195IM1T03	Fundamentals of Business Organization	0
	175IM1T04	Financial Accounting – I	0	195IM1T04	Financial Accounting – I	0
	175IM1T05	Fundamentals of Computers	0	195IM1T05	Fundamentals of Computers	0
II	175IM2T06	English Language – II	0	195IM2T06	English Language – II	0
	175IM2T07	Business Environment	0	195IM2T07	Business Environment	0
	175IM2T08	Managerial Economics	0	195IM2T08	Managerial Economics	0
	175IM2T09	Financial Accounting – II	0	195IM2T09	Financial Accounting – II	0
	175IM2T10	Organizational Communications	0	195IM2T10	Organizational Communications	0
III	175IM3T11	Principles of	0	195IM3T11	Principles of	0

		Management			Management	
	175IM3T12	Cost Accounting	0	195IM3T12	Cost Accounting	0
	175IM3T13	Banking Theory & Practice	0	195IM3T13	Banking Theory & Practice	0
	175IM3T14	Business Law	0	195IM3T14	Business Law	0
	175IM3T15	Entrepreneurship Development	0	195IM3T15	Entrepreneurship Development	0
IV	175IM4T16	Organizational Behavior	0	195IM4T16	Organizational Behavior	0
	175IM4T17	Management Accounting	0	195IM4T17	Management Accounting	0
	175IM4T18	Company Law	0	195IM4T18	Company Law	0
	175IM4T19	Elements of Direct & Indirect Taxes	0	195IM4T19	Elements of Direct & Indirect Taxes	0
	175IM4T20	Management Information Systems	0	195IM4T20	Management Information Systems	0
V	16IM501	Financial Management	0	175IM5T21	Financial Management	0
	16IM502	Marketing Management	0	175IM5T22	Marketing Management	0
	16IM503	Human Resource Management	0	175IM5T23	Human Resource Management	0
	16IM504	Production and Operations Management	0	175IM5T24	Production & Operations Management	0
	16IM505	Research Methodology	0	175IM5T25	Research Methodology	0
VI	16IM601	Operations Research	0	175IM6T26	Operations Research	0
	16IM602	International Business	0	175IM6T27	International Business	0
	16IM603	Strategic Management	0	175IM6T28	Strategic Management	0
	16IM604	Decision Support Systems	0	175IM6T29	Decision Support Systems	0
	16IM605	Mini Project*	0	175IM6P01	Minor Project	0
VII	16IM701	Knowledge Management	100	175IM7T30	Knowledge Management	0
	16IM702	Strategic Cost Management	100	175IM7T31	Strategic Cost	0

					Management	
	16IM703A	HR Planning	100	175HR7E01	Human Resource Planning	0
	16IM704B	Leadership Management	100	175SY7E01	E-Business	0
	16IM705C	Compensation and Reward Management	100	175SY7E02	Relational Database Management Systems	0
	16IM703D	Security Analysis	100	175SY7E03	Web Designing	0
	16IM704A	Banking and Insurance Management	100	175HR7E02	Leadership Management	0
	16IM705B	Advanced Management Accounting	100	175HR7E03	Compensation and Reward Management	0
	16IM703C	Consumer Behavior	100	175FI7E01	Security Analysis	0
	16IM704D	Rural Marketing	100	175IMAP02	Major Project	0
	16IM705A	Supply Chain Management	100	175FI7E02	Banking and Insurance Management	0
	16IM703B	E-Business	100	175FI7E03	Advanced Management Accounting	0
	16IM704C	RDBMS	100	175MA7E03	Supply Chain Management	0
	16IM705D	Web Designing	100	175MA7E01	Consumer Behavior	0
VIII	16IM801A	Total Quality Management	100	175MA7E02	Rural Marketing	0
	16IM802B	Project Management	100	175HR8E05	Strategic Human Resource Management	0
	16IM803C	Performance Management	100	175HR8E06	Organizational Development & Change	0
	16IM804D	Strategic Human Resource Management	100	175IM8T32	Total Quality Management	0
	16IM805A	Organizational Development & Change	100	175IM8T33	Project Management	0

		Management				
	16IM803B	Strategic Financial Management	100	175FI8E04	Strategic Financial Management	0
	16IM804C	Portfolio Management	100	175FI8E05	Portfolio Management	0
	16IM805D	Financial Markets and Services	100	175FI8E06	Financial Markets and Services	0
	16IM803A	Customer Relationship Management	100	175MA8E04	Customer Relationship Management	0
	16IM804B	Strategic Marketing Management	100	175MA8E05	Strategic Marketing Management	0
	16IM805C	Services Marketing	100	175MA8E06	Services Marketing	0
	16IM803D	System Analysis & Design	100	175SY8E04	System Analysis & Design	0
	16IM804A	Business Intelligence	100	175SY8E05	Business Intelligence	0
	16IM805B	Enterprise Resource Planning	100	175SY8E06	Enterprise Resource Planning	0
IX				16IM901	Intellectual Property Rights	100
				16IM902	Corporate Governance	100
				16IM903	Global HRM	100
				16IM904	Labor Welfare & Legislation	100
				16IM905	Management of Industrial Relations	100
				16IM903	Global Financial Management	100
				16IM904	Risk Management	100
				16IM905	Tax Management	100
				16IM903	Promotion and Distribution Management	100
				16IM904	Global	100

					Marketing Management	
				16IM905	Retail Marketing	100
				16IM903	Cyber Laws & Security	100
				16IM904	Information Systems & Audit	100
				16IM905	SAP	100
X				16IM1001	Major Project Report	0

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Department of Master of Computer Applications

List Of Courses for the Academic Year 2019-2020			List Of Courses for the Academic Year 2020-2021		
Semester	Course Code	Course Name	Course Code	Course Name	Percentage of content changed for existing year
I	193MC1T01	Problem Solving with C	203MC1T01	Business Communication	0
	193MC1T02	Computer Organization	203MC1T02	Mathematical and Statistical Foundations	0
	193MC1T03	Discrete Mathematical Structures	203MC1T03	Computer Organization & Operating Systems	0
	193MC1T04	Probability and Statistics	203MC1T04	Data Structures	0
	193MC1T05	Accounting and Financial Management	203MC1T05	Object Oriented Programming with JAVA	0
	193MC1L01	English Language Communication Skills Lab	203MC1L01	Operating Systems and Linux Lab	100
	193MC1L02	Problem Solving with C Lab	203MC1L02	Data Structures Lab	0
	193MC1L03	IT Workshop (Lab)	203MC1L03	JAVA Programming Lab	0
			203MC1P01	Socially Relevant Project using Design Thinking	100
			20MC2S01	PYTHON PROGRAMMING	100
			20MC2E01	NO SQL DATABASE	100
	193MC2T06	Data Structures	203MC2T06	Database Management Systems	0
	193MC2T07	Operating Systems	203MC2T07	Computer Networks	0

II	193MC2T08	Software Engineering
	193MC2T09	OOP Through Java
	193MC2T10	Optimization Techniques
	193MC2L04	OOP Through Java Lab
	193MC2L05	Data Structures Lab
	193MC2L06	Operating Systems and Linux Lab
III	173MC1T11	DATA BASE MANAGEMENT SYSTEMS
	173MC1T12	COMPUTER NETWORKS
	173MC1T13	UNIX PROGRAMMING
	173MC1T14	MANAGEMENT INFORMATION SYSTEM
	173MC1T15	DESIGN AND ANALYSIS OF ALGORITHMS
	173MC1L07	DATA BASE MANAGEMENT SYSTEMS LAB
	173MC1L08	UNIX PROGRAMMING LAB
	173MC1L09	COMPUTER NETWORKS LAB
	173MC1T16	OBJECT ORIENTED ANALYSIS AND DESIGN
	173MC1T17	ADVANCED JAVA & WEB TECHNOLOGIES

203MC2T08	Software Engineering and Design Patterns	100
203MC2T09	Data Warehousing and Mining	0
203MC2E02	Design and Analysis of Algorithms	0
203MC2L04	DBMS Lab	0
203MC2L05	Computer Networks Lab	0
203MC2L06	Software Engineering and Design Patterns Lab	0
203MC2T10	Employability Skills	0
193MC3T11	Database Management Systems	0
193MC3T12	Computer Networks	0
193MC3T13	Design & Analysis of Algorithms	0
193MC3T14	Advanced Java Programming	0
193MC3T15	Object Oriented Analysis and Design	0
193MC3L07	Database Management Systems Lab	0
193MC3L08	Advanced Java Programming Lab	0
193MC3L09	OOAD through UML Lab	0
193MC4T16	Data Warehousing & Data Mining	0
193MC4T17	Full Stack Technologies	100

173MC1T18	DATA WAREHOUSING AND MINING
173MC4E01	MOBILE COMPUTING
173MC4E02	HUMAN COMPUTER INTERACTION
173MC4E03	CLOUD COMPUTING
173MC4E04	SOFTWARE PROJECT MANAGEMENT
173MC4E05	ARTIFICIAL INTELLIGENCE
173MC4E06	EMBEDDED SYSTEMS
173MC1L10	ADVANCED JAVA & WEB TECHNOLOGIES LAB
173MC1L11	DATA WAREHOUSING AND MINING LAB
173MC1L12	OBJECT ORIENTED ANALYSIS AND DESIGN LAB
173MC1T19	BIG DATA ANALYTICS
173MC1T20	NETWORK PROGRAMMING
173MC1T21	PYTHON PROGRAMMING
173MC4E07	CYBER SECURITY
173MC4E08	COMPUTER FORENSICS
173MC4E09	E-COMMERCE
173MC4E10	INTERNET OF THINGS
173MC4E11	MULTIMEDIA APPLICATION DEVELOPMENT
173MC4E12	SOFTWARE TESTING METHODOLOGIES
173MC1L13	BIG DATA ANALYTICS LAB

IV

V

193MC4T18	Python Programming	0
193MC4E01	Embedded Computing	0
193MC4E02	Artificial Intelligence	0
193MC4E03	MOOCs-1	0
193MC4E04	Cloud Computing	0
193MC4E05	Multimedia Application Development	0
193MC5T21	MACHINE LAERANING	100
193MC4E06	MOOCs-2	0
193MC4L10	Full Stack Technologies Lab	100
193MC4L11	Data Mining with R Lab	100
193MC4L12	Python Programming Lab	0
173MC5T19	Big Data Analytics	100
173MC5T20	Network Programming	0
173MC5T21	Python Programming	100
173MC5E07	Cyber Security	0
173MC5E08	Computer Forensics	100
173MC5E09	E – Commerce	0
173MC5E10	Internet of Things	100
173MC5E11	Multimedia Application Development	0
173MC5E12	Software Testing Methodologies	0
173MC5E13	Big Data Analytics Lab	0

VI	173MC1L14	NETWORK PROGRAMMING LAB	173MC5E14	Network Programming Lab	0
	173MC1L15	PYTHON PROGRAMMING LAB	173MC5E15	Python Programming Lab	0
	173MC6R01	PROJECT SEMINAR	173MC6R01	Seminar	0
	173MC6P01	DISSERTATION/ THESIS	173MC6P01	Major Project	0

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