

ADITYA ENGINEERING COLLEGE

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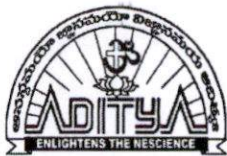
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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

1.1.2. Syllabus revision Carried out (Program Wise) in the academic year 2020-21

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Syllabus Revision carried out during the academic year 2020-21

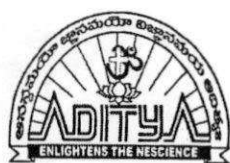
S.No	Program Code	Programme Name	% Revision carried
1	01	B. Tech. Civil Engineering	10.86
2	02	B. Tech. Electrical and Electronics Engineering	17.2
3	03	B. Tech. Mechanical Engineering	22.61
4	04	B. Tech. Electronics and Communication Engineering	25.27
5	05	B. Tech. Computer Science and Engineering	23.23
6	12	B. Tech. Information Technology	24.24
7	26	B. Tech. Mining Engineering	28.41
8	27	B. Tech. Petroleum Technology	13.63
9	35	B. Tech Agricultural Engineering	28.88
10	87	M. Tech. (Structural Engineering)	48.08
11	52	M. Tech. (Power Electronics and Drives)	46.87
12	21	M. Tech. (Thermal Engineering)	44.28
13	72	M. Tech. (VLSI Design)	48.4
14	58	M. Tech. (Computer Science & Engineering)	49.23
15	8	M. Tech. (Petroleum Engineering)	52.3
16	1E	MBA	45.7
17	1M	IMBA	19.17
18	1F	MCA	57.67


CONVENOR

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Program Name : B.Tech. in Civil Engineering

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	10
2	I	201BS1T01	Differential equations and Linear algebra	0
3	I	201BS1T02	Engineering Physics	0
4	I	201ES1T01	Building Materials & Construction	0
5	I	201ES1T05	Engineering Graphics	55
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L01	Engineering Physics Lab	0
8	I	201ES1L01	Engineering Workshop	0
9	I	201MC1T01	Environmental Science	0
10	II	201BS2T05	Partial Differential Equations and Vector Calculus	0
11	II	201BS2T08	Chemistry of Materials	0
12	II	201ES2T06	Engineering Mechanics	0
13	II	201ES2T08	Programming for Problem Solving Using C	0
14	II	201ES2T12	Surveying	0
15	II	201ES2L05	Surveying field Work	0
16	II	201BS2L05	Engineering Chemistry Lab	0
17	II	201ES2L10	Programming for Problem Solving Using C	0
18	II	201MC2L01	Professional Communications skills Lab	0
19	II	201MC2T02	Constitution of India	0
20	III	191BS3T11	Integral transforms and applications of Partial Differential Equations	40
21	III	191ES3T10	Internet of things (IOT)	100
22	III	191HS3T02	Managerial economics and Financial analysis	
23	III	191CE3T01	Strength of materials – I	

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24	III	191CE3T02	Fluid mechanics	0
25	III	191CE3T03	Surveying	0
26	III	191CE3L01	Surveying lab	0
27	III	191CE3T04	Computer aided civil engineering drawing	100
28	III	191CE3L02	Strength of materials lab	0
29	III	191MC3A03	Employability Skills – I	0
30	III	191MC3A04	Essence of Indian Traditional Knowledge	100
31	IV	191BS4T16	Numerical methods & Statistical Techniques (CE, ME, Ag. E)	50
32	IV	191HS4T03	Management science	0
33	IV	191CE4T05	Structural analysis	17
34	IV	191CE4T06	Construction materials and concrete technology	17
35	IV	191CE4T07	Strength of materials – II	0
36	IV	191CE4T08	Hydraulics and hydraulic machinery	0
37	IV	191CE4L03	Fluid mechanics & hydraulic Machinery lab	0
38	IV	191CE4L04	Construction materials and concrete technology lab	0
39	IV	191MC4A05	Employability Skills – II	0
40	IV	191MC4A06	Biology for Engineers	100
41	V	171HS5T05	Management Science	0
42	V	171CE5T10	Design and Drawing of Reinforced Concrete Structures	0
43	V	171CE5T11	Transportation Engineering	0
44	V	171CE5T12	Structural Analysis - II	0
45	V	171CE5T13	Water Resource Engineering - I	0
46	V	171CE5E01	(PE I) Construction Technology and Management	0
47	V	171CE5E02	Urban Hydrology	0
48	V	171CE5E03	Traffic Engineering	0
49	V	171HS5T06	Employability Skills - III	0
50	V	171CE5L04	Engineering Geology Lab	0
51	V	171CE5L05	Transportation Engineering Lab	0
52	V	171CE5S01	MOOCs – I	0
53	V	171CE5P03	Surveying Camp	0
54	VI	171CE6T14	Design and Drawing of Steel Structures	0

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55	VI	171CE6T15	Geotechnical Engineering - I	0
56	VI	171CE6T16	Water Resource Engineering - II	0
57	VI	171CE6T17	Prestressed Concrete	0
58	VI	171CE6E04	PE II Ground Water Development	0
59	VI	171CE6E05	Pavement Analysis and Design	0
60	VI	171CE6E06	Repair and Rehabilitation of Structures	0
61	VI	171CE6E07	PE III Ground Improvement Techniques	0
62	VI	171CE6E08	Finite Element Methods	0
63	VI	171CE6E09	Earthquake Resistant Design	0
64	VI	171HS6T07	Employability Skills - IV	0
65	VI	171CE6L06	Geotechnical Engineering Lab	0
66	VI	171CE6L07	Irrigation Design and Drawing	0
67	VI	171CE6S02	MOOCs - II	0
68	VII	171CE7T18	Geotechnical Engineering - II	0
69	VII	171CE7T19	Environmental Engineering	0
70	VII	171CE7T20	Remote Sensing and GIS Applications	0
71	VII	171CE7T21	Estimation, Specifications and Contracts	0
72	VII	171CE7E10	PE IV Advanced Structural Engineering	0
73	VII	171CE7E11	Watershed Management	100
74	VII	171CE7E12	Design of Tall Buildings	100
75	VII	171CE7E13	PE V Bridge Engineering	0
76	VII	171CE7E14	Environmental Impact Assessment and Management	0
77	VII	171CE7E15	Water Resources Systems Planning	0
78	VII	171CE7L08	Environmental Engineering Lab	0
79	VII	171CE7L09	GIS And Computer Aided Design (CAD) Lab	0
80	VII	171CE7P01	Industry Oriented (Internship) Minor Project	0
81	VIII	171CE8E16	PE VI Urban Transportation Planning Engineering	0
82	VIII	171CE8E17	Soil Dynamics and Foundations	0
83	VIII	171CE8E18	Solid And Hazardous Waste Management	0
84	VIII	171CE8E19	Air Pollution and Control	0
85	VIII	171CE8O01	OE Electronic Instrumentation	0

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86	VIII	171CE8O02	Database Management Systems	0
87	VIII	171CE8O03	Alternative Energy Sources	0
88	VIII	171CE8O04	Waste Water Management	0
89	VIII	171CE8O05	Fundamentals of Liquefied Natural Gas	0
90	VIII	171CE8O06	Green Fuel Technologies	0
91	VIII	171CE8O07	Green Engineering Systems	100
92	VIII	171CE8P02	Major Project	0

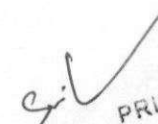
Total number of courses in the academic year 2020-2021	= 92
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	= 10
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(10/92) \times 100$	= 10.86 %



Program Coordinator



Head of the Department
Head of the Department
Dept. of Civil Engineering
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Program Name : **B.Tech. in Electrical and Electronics Engineering**

Syllabus Revision for the Academic Year 2020-2021

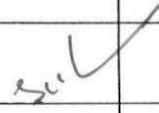
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	0
2	I	201BS1T01	Differential equations and Linear algebra	0
3	I	201BS1T03	Applied Physics	0
4	I	201ES1T02	Programming for Problem Solving using C	0
5	I	201ES1I01	Engineering Graphics and Design	40
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L02	Applied Physics Lab	0
8	I	201ES1L02	Programming for Problem Solving using C Lab	0
9	I	201MC1T01	Environmental Science	0
10	II	201BS2T05	Partial Differential Equations and Vector Calculus	0
11	II	201BS2T06	Transform Techniques	0
12	II	201ES2T07	Data Structures through C	15
13	II	201ES2T09	Basic Electrical Circuits	5
14	II	201ES2T13	Basic Civil and Mechanical Engineering	0
15	II	201ES2L06	Data Structures through C Lab	100
16	II	201ES2L09	Electrical Engineering Workshop	5
17	II	201ES2L11	Basic Civil and Mechanical Engineering Lab	5
18	II	201MC2L01	Professional Communications Skills Lab	5

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	II	201MC2T02	Constitution of India	0
20	III	191BS3T12	Transform Techniques	60
21	III	191EE3T02	Analog Electronic Circuits	0
22	III	191ES3T11	Python programming	100
23	III	191EE3T03	Electrical Circuit Analysis-II	0
24	III	191EE3T04	Electrical Machines-I	0
25	III	191EE3T05	Electromagnetic Fields	0
26	III	191EE3L01	Electrical Circuits Lab	15
27	III	191ES3L15	Python programming Lab	100
28	III	191MC3A03	Employability Skills-I	50
29	III	191MC3A04	Essence of Indian Traditional Knowledge	100
30	IV	191BS4T17	Numerical methods & Complex Variables	100
31	IV	191EE4T06	Digital Circuits & Logic Design	0
32	IV	191EE4T07	Electrical Machines-II	0
33	IV	191EE4T08	Control Systems	0
34	IV	191EE4T09	Power Systems-I	0
35	IV	191ES4T15	Internet of Things	0
36	IV	191EE4L02	Electrical Machines –I Lab	0
37	IV	191EE4L03	Analog Electronic Circuits Lab	0
38	IV	191MC4A05	Employability Skills –II	80
39	IV	191MC4A06	Biology for Engineers	100
40	V	171EE5T10	Power Systems – II	

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
41	V	171EE5T11	Power Electronics	0
42	V	171EE5T12	Pulse and Digital Circuits	0
43	V	171EE5T13	Signals and Systems	0
44	V	171EE5E01	Renewable Energy Sources	0
45	V	171EE5E02	Modeling and Analysis of Electrical Machines	0
46	V	171EE5E03	Electrical Safety	0
47	V	171HS5T08	Intellectual Property Rights and Patents	0
48	V	171HS5T06	Employability Skills - III	0
49	V	171EE5L04	Electrical Measurements Lab	0
50	V	171EE5L05	Electrical Machines - II Lab	0
51	V	171EE5L06	Control Systems Lab	0
52	V	171EE5S01	MOOCs - I	0
53	VI	171EE6T14	Power Electronic Controllers and Drives	0
54	VI	171EE6T15	Power System Analysis	0
55	VI	171EE6T16	Micro Processor and Micro Controllers	0
56	VI	171EE6T17	Data Structures	0
57	VI	171EE6E04	Computer Architecture	0
58	VI	171EE6E05	Electrical Distribution Systems	0
59	VI	171EE6E06	Distributed Generation and Microgrid	0
60	VI	171EE6E07	Advanced Control Systems	0
61	VI	171EE6E08	PLC and Applications	0
62	VI	171EE6E09	Instrumentation	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
64	VI	171HS6T07	Employability Skills - IV	0
65	VI	171EE6L07	Data Structures Lab	0
66	VI	171EE6L08	Power Electronics Lab	0
67	VI	171EE6S02	MOOCs - II	0
68	VII	171EE7T18	Utilization of Electrical Energy	5
69	VII	171EE7T19	Linear and Digital IC Applications	10
70	VII	171EE7T20	Power System Operation and Control	15
71	VII	171EE7T21	Switch Gear and Protection	10
72	VII	171EE7E11	Optimization Techniques	10
73	VII	171EE7E12	Digital Signal Processing	100
74	VII	171EE7E13	Special Electrical Machines	5
75	VII	171EE7E14	High Voltage Engineering	0
76	VII	171EE7E15	Electric Power Quality	5
77	VII	171EE7E16	EHVAC Transmission	100
78	VII	171EE7L09	Power Systems Simulation Lab	15
79	VII	171EE7L10	Micro Processor and Micro Controllers Lab	0
80	VII	171EE7P01	Industry Oriented (Internship) Minor Project	0
81	VIII	171EE8E17	HVDC Transmission	10
82	VIII	171EE8E18	Flexible AC Transmission Systems	10
83	VIII	171EE8E19	Power System Reforms	10
84	VIII	171EE8E20	Digital Control Systems	15
85	VIII	171EE8O01	Energy Audit, Conservation and Management	

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
87	VIII	171EE8O03	Unix and Shell Programming	0
88	VIII	171EE8O04	Neural Networks And Fuzzy Logic	0
89	VIII	171EE8O05	Robotics	0
90	VIII	171EE8O06	Vehicular Electric Power Systems	100
91	VIII	171EE8O07	Internet of Things	100
92	VIII	171EE8O08	Cyber Security	100
93	VIII	171EE8P02	Major Project	0
Total number of courses in the academic year 2020-2021				= 93
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021				= 16
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(16/93)*100$				= 17.20%

Program Coordinator

Head of the Department

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

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Program Name : **B.Tech. in Mechanical Engineering**

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	0
2	I	201BS1T01	Differential Equations and Linear Algebra	0
3	I	201BS1T02	Engineering Physics	0
4	I	201ES1T03	Essential Electrical and Electronics Engineering	0
5	I	201ES1T05	Engineering Graphics	45
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L01	Engineering Physics Lab	0
8	I	201ES1L03	Essential Electrical and Electronics Engineering Lab	0
9	I	201MC1T01	Environment Science	0
10	II	201BS2T05	Partial Differential Equations and Vector Calculus	0
11	II	201BS2T08	Chemistry of Materials	0
12	II	201ES2T06	Engineering Mechanics	0
13	II	201ES2T08	Programming for Problem Solving using C	0
14	II	201ES2L07	Engineering Workshop	0
15	II	201ES2L12	Computer Aided Drafting Lab	100
16	II	201HS2L02	Professional Communications Skills Lab	0
17	II	201BS2L05	Engineering Chemistry Lab	0
18	II	201ES2L10	Programming for Problem Solving using C Lab	0
19	II	201MC2T02	Constitution of India	0
20	III	191BS3T11	Integral Transforms and Applications of Partial Differential Equations	40
21	III	191ME3T01	Fluid Mechanics & Hydraulic Machinery	14
22	III	191ME3T02	Computer Aided Engineering Drawing Practice	25
23	III	191ME3T03	Mechanics of Solids	5
24	III	191ME3T04	Thermodynamics	0
25	III	191ME3T05	Metallurgy & Material Science	0
26	III	191ME3L01	Fluid Mechanics & Hydraulic Machines Lab	0
27	III	191ME3L02	Mechanics of Solids & Metallurgy Lab	0
28	III	191MC3A03	Employability skills-I	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
29	III	191MC3A04	Essence of Indian Traditional Knowledge	100
30	IV	191BS4T16	Numerical Methods& Statistical Techniques	100
31	IV	191HS4T04	Managerial Economics and Financial Analysis	0
32	IV	191ES4T15	Internet of Things	100
33	IV	191ME4T06	Production Technology	0
34	IV	191ME4T07	Kinematics of Machinery	20
35	IV	191ME4T08	Thermal Engineering-I	45
36	IV	191ME4L03	Production Technology Lab	0
37	IV	191ME4L04	Computer Aided Machine Drawing	50
38	IV	191MC4A05	Employability Skills -II	0
39	IV	191MC4A06	Biology for Engineers	100
40	V	171ME5T08	Dynamics of Machinery	0
41	V	171ME5T09	Metal Cutting and Machine Tools	0
42	V	171ME5T10	Thermal Engineering -II	0
43	V	171ME5T11	Design of Machine members-II	0
44	V	171ME5T12	Operations Research	0
45	V	171ME5E01	Automobile Engineering	0
46	V	171ME5E02	Mechanical Vibrations	0
47	V	171ME5E03	Additive Manufacturing	0
48	V	171HS5T06	Employability Skills -III	0
49	V	171ME5L02	Theory of Machines Lab	0
50	V	171ME5L03	Thermal Engineering Lab	0
51	V	171ME5S01	MOOCS-I	0
52	VI	171ME6T13	Heat Transfer	0
53	VI	171ME6T14	Refrigeration and Air Conditioning	0
54	VI	171ME6T15	Metrology and Instrumentation	0
55	VI	171ME6E04	Robotics	0
56	VI	171ME6E05	Design for Manufacturing	0
57	VI	171ME6E06	Non-Destructive Evaluation	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
58	VI	171ME6E07	Unconventional Machining Processes	0
59	VI	171ME6E08	Industrial Hydraulics and Pneumatics	0
60	VI	171ME6E09	Quality & Reliability Engineering	0
61	VI	171HS6T07	Employability Skills-IV	0
62	VI	171ME6L04	Machine Tools Lab	0
63	VI	171ME6L05	Heat Transfer Lab	0
64	VI	171ME6L06	Metrology & Instrumentation Lab	0
65	VI	171ME6S02	MOOCS-II	0
66	VII	171ME7T16	CAD/CAM	5
67	VII	171ME7T17	Mechatronics	20
68	VII	171ME7T18	Finite Element Methods	25
69	VII	171ME7T19	Power Plant Engineering	10
70	VII	171ME7E10	Computational Fluid Dynamics	0
71	VII	171ME7E11	Green Engineering Systems	0
72	VII	171ME7E12	Nano Materials and Technology	10
73	VII	171ME7E13	Gas Dynamics	40
74	VII	171ME7E14	Condition Monitoring	16
75	VII	171ME7E15	Flexible Manufacturing Systems	100
76	VII	171ME7L07	CAD/CFD Lab	60
77	VII	171ME7L08	CAM/Mechatronics Lab	50
78	VII	171ME7P01	Industry Oriented (Internship) Mini Project	0
79	VIII	171ME8E16	Production Planning and Control	0
80	VIII	171ME8E17	Advanced Materials	0
81	VIII	171ME8E18	Thermal Equipment Design	20
82	VIII	171CE8O04	Neural Networks and Fuzzy Logic	100
83	VIII	171EE8O03	Data Base Management Systems	0
84	VIII	171ME8P02	Major Project	0
Total number of courses in the academic year 2020-2021				= 84
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021				= 19
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(19/84) \times 100$				= 22.61

Program Coordinator

Head of the Department

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Aditya Engineering College
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Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
SURAMPALAM-533 437



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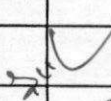
Program Name : **B.Tech. in Electronics and Communication Engineering**

Syllabus Revision for the Academic Year 2020-21

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	0
2	I	201BS1T01	Differential Equations and Linear Algebra	0
3	I	201BS1T04	Engineering Chemistry	0
4	I	201ES1T02	Programming for Problem Solving using C	0
5	I	201ES1I01	Engineering Graphics and Design	55
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L03	Engineering Chemistry Lab	0
8	I	201ES1L02	Programming for Problem Solving using C Lab	0
9	I	201MC1T01	Environmental Science	0
10	II	201BS2T06	Transform Techniques	0
11	II	201BS2T09	Applied Physics	0
12	II	201ES2I03	Object Oriented Programming through JAVA	100
13	II	201ES2T10	Basic Electrical Engineering	3
14	II	201ES2T14	Network Analysis	0
15	II	201ES2L08	Electronics Engineering Workshop	0
16	II	201BS2L04	Applied Physics Lab	0
17	II	201ES2L13	Basic Electrical Engineering Lab	0
18	II	201MC2L01	Professional Communication Skills Lab	0
19	II	201MC2T02	Constitution of India	0
20	III	191BS3T13	Numerical Methods & Vector Calculus	40
21	III	191ES3T12	Random Variables and Stochastic Processes	10
22	III	191HS3T02	Managerial Economics and Financial Analysis	0
23	III	191EC3T01	Electronic Devices and Circuits	40
24	III	191EC3T02	Digital Electronics and Logic Design	0
25	III	191EC3T03	Signals and Systems	20
26	III	191EC3L01	Electronic Devices and Circuits Lab	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
27	III	191ES3L16	Digital Electronics and Logic Design Lab	100
28	III	191MC3A03	Employability Skills – I	0
29	III	191MC3A04	Essence of Indian Traditional Knowledge	100
30	IV	191ES4T16	Data Structures	0
31	IV	191ES4T17	Control Systems	20
32	IV	191EC4T04	Analog Electronic Circuits	10
33	IV	191EC4T05	Electromagnetic Waves and Transmission Lines	0
34	IV	191EC4T06	Microprocessors & Micro Controllers	10
35	IV	191EC4T07	Analog Communications	0
36	IV	191EC4L02	Analog Electronic Circuits – Lab	23.5
37	IV	191EC4L03	Microprocessors & Micro Controllers Lab	0
38	IV	191EC4L04	Analog Communications Lab	18.75
39	IV	191MC4A05	Employability Skills – II	0
40	IV	191MC4A06	Biology for Engineers	100
41	V	171EC5T09	Linear IC Applications	0
42	V	171EC5T10	Digital IC Applications	0
43	V	171EC5T11	Digital Communications	0
44	V	171EC5T12	Antennas and Wave Propagation	0
45	V	171EC5E01	Computer Architecture and Organization	0
46	V	171EC5E02	OOPS through JAVA	0
47	V	171EC5E03	Electronic Switching Systems	0
48	V	171HS5T06	Employability Skills - III	0
49	V	171EC5L04	Linear IC Applications Lab	0
50	V	171EC5L05	Digital IC Applications Lab	0
51	V	171EC5L06	Pulse and Digital Circuits Lab	0
52	VI	171EC6T13	Micro Processors and MicroControllers	0
53	VI	171EC6T14	VLSI Design	0
54	VI	171EC6T15	Digital Signal Processing	0
55	VI	171EC6E04	CPLD and FPGA Architectures	0
56	VI	171EC6E05	Operating Systems	0
57	VI	171EC6E06	Computer Networks	0
58	VI	171EC6E07	Digital Design Through Verilog	0
59	VI	171EC6E08	Biomedical Engineering	0


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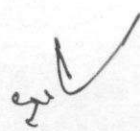
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
60	VI	171EC6E09	Information Theory and Coding	0
61	VI	171HS6T07	Employability Skills - IV	0
62	VI	171EC6L07	Micro Processor and Micro Controllers Lab	0
63	VI	171EC6L08	VLSI lab	0
64	VI	171EC6L09	Digital Communications Lab	0
65	VII	171EC7T16	Microwave Engineering	0
66	VII	171EC7T17	Digital Image Processing	0
67	VII	171EC7T18	Electronic Measurements And Instrumentation	0
68	VII	171EC7T19	Optical Communications	4.1
69	VII	171EC7E10	Digital Signal Processors	100
70	VII	171EC7E11	Embedded Systems	8
71	VII	171EC7E12	Cellular and Mobile Communications	10
72	VII	171EC7E13	Analog IC Design	18
73	VII	171EC7E14	Cryptography and Network Security	0
74	VII	171EC7E15	Radar Systems	0
75	VII	171EC7L10	Microwave Engineering and Optical Communications Lab	13.3
76	VII	171EC7L11	Digital Signal and Image Processing Lab	16.6
77	VII	171EC7P01	Industry Oriented (Internship) Minor Project	100
78	VIII	171EC8E16	Mixed Signal IC Design	100
79	VIII	171EC8E17	Wireless Sensors and Networks	5.5
80	VIII	171EC8E18	Satellite Communications	8.3
81	VIII	171EC8O01	Basic Concrete Technology	100
82	VIII	171CE8O04	Waste Water Management	100
83	VIII	171EE8O05	Robotics	0
84	VIII	171EC8O02	Disaster Management	100
85	VIII	171EE8O07	Internet of Things	100
86	VIII	171EC8O03	Neural Networks	100
87	VIII	171CE8O03	Alternative Energy Sources	100
88	VIII	171CE8O02	Database Management Systems	100
89	VIII	171EC8O04	Web Technologies	100
90	VIII	171CE8O06	Green Fuel Technologies	100
91	VIII	171EC8P02	Major Project	100

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Total number of courses in the academic year 2020-21	= 91
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-21	= 23
Percentage of syllabus revision carried out in the academic year 2020-21 = $(23/91)100$	= 25.27%


Program Coordinator


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


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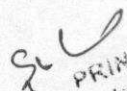
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Program Name : **B.Tech. in Computer Science and Engineering**

Syllabus Revision for the Academic Year 2020-2021				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	0
2	I	201BS1T01	Differential Equations and Linear algebra	0
3	I	201BS1T04	Engineering Chemistry	0
4	I	201ES1T02	Programming For Problem Solving Using C	0
5	I	201ES1I02	Computer Engineering Workshop	0
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L03	Engineering Chemistry Lab	0
8	I	201ES1L02	Programming for Problem Solving using C Lab	0
9	I	201MC1T01	Environmental Science	0
10	II	201BS2T07	Numerical Methods and Complex Variables	0
11	II	201BS2T09	Applied Physics	0
12	II	201ES2T11	Computer Organization	0
13	II	201ES2T04	Python Programming	0
14	II	201ES2T07	Data Structures through C	100
15	II	201BS2L04	Applied Physics Lab	0
16	II	201ES2L06	Data Structures through C Lab	0
17	II	201ES2L14	Python Programming Lab	0
18	II	201MC2L01	Professional Communication Skills Lab	0
19	II	201MC2T02	Constitution of India	0
20	III	191BS3T14	Discrete Mathematics	20
21	III	191ES3T13	Digital Logic Design	0
22	III	191HS3T02	Managerial Economics and Financial Analysis	0

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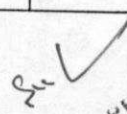
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
23	III	191CS3T01	Software Engineering	0
24	III	191CS3T02	Object Oriented Programming through Java	100
25	III	191CS3T03	Advanced Data Structures	100
26	III	191CS3L01	Object Oriented Programming through Java Lab	0
27	III	191CS3L02	Advanced Data Structures Lab	20
28	III	191MC3A03	Employability Skills - I	0
29	III	191MC3A04	Essence of Indian Traditional Knowledge	100
30	IV	191BS4T18	Probability and Statistics	20
31	IV	191CS4T04	Formal Languages and Automata Theory	0
32	IV	191CS4T05	Python Programming	0
33	IV	191CS4T06	Design and Analysis of Algorithms	0
34	IV	191ES4T15	Internet of Things	0
35	IV	191CS4T07	Computer Organization	0
36	IV	191CS4L03	Python Programming Lab	0
37	IV	191ES4L17	Internet of Things Lab	0
38	IV	191MC4A05	Employability Skills - II	0
39	IV	191MC4A06	Biology for Engineers	100
40	V	171CS5T11	Compiler Design	0
41	V	171CS5T12	Python Programming	0
42	V	171CS5T13	Design & Analysis of Algorithms	0
43	V	171CS5T14	Operating Systems	0
44	V	171CS5E01	Unix and Shell Programming	0
45	V	171CS5E02	Advanced Computer Architecture	0
46	V	171CS5E03	Computer Graphics	0
47	V	171CS5E04	Software Testing Methodologies	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
48	V	171HS5T06	Employability Skills – III	0
49	V	171CS5L05	Operating System and Linux Lab	0
50	V	171CS5L06	Python Programming Lab	0
51	V	171CS5L07	Software Testing Lab	0
52	V	171CS5L08	Compiler Design Lab	0
53	V	171CS5S01	MOOCs – I	0
54	VI	171CS6T15	Computer Networks	0
55	VI	171CS6T16	Web Technologies	0
56	VI	171CS6T17	Data Ware Housing and Data Mining	0
57	VI	171CS6E05	Software Quality Assurance	0
58	VI	171CS6E06	Bio Informatics	0
59	VI	171CS6E07	Human Computer Interaction	0
60	VI	171CS6E08	Social Networks and Semantic Web	0
61	VI	171CS6E09	Pattern Recognition	0
62	VI	171CS6E10	Parallel Computing	0
63	VI	171CS6E11	Storage Area Networks	0
64	VI	171CS6E12	E - Commerce	0
65	VI	171HS6T07	Employability Skills – IV	0
66	VI	171CS6L09	Computer Networks Lab	0
67	VI	171CS6L10	Data Ware Housing and Data Mining Lab	0
68	VI	171CS6L11	Web Technologies Lab	0
69	VI	171CS6S02	MOOCs – II	0
70	VII	171CS7T18	Cryptography and Network Security	0
71	VII	171CS7T19	UML and Design Patterns	0
72	VII	171CS7T20	Cloud Computing	0

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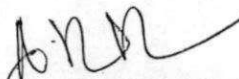
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
73	VII	I71HS7T05	Management Science	0
74	VII	I71CS7E13	Software Project Management	0
75	VII	I71CS5E14	Big Data Analytics	0
76	VII	I71CS7E15	Image Processing	100
77	VII	I71CS7E16	Cyber Laws	100
78	VII	I71CS7E17	Middleware Technologies	100
79	VII	I71CS7E18	Artificial Intelligence and Machine Learning	100
80	VII	I71CS7E19	Information Retrieval Systems	20
81	VII	I71CS7E20	Mobile Computing	0
82	VII	I71CS7L12	UML and Design Patterns Lab	0
83	VII	I71CS7L13	Big Data Analytics Lab	0
84	VII	I71CS7P01	Industry Oriented (Internship) Minor Project	0
85	VIII	I71CS8E21	Agile Methodologies	100
86	VIII	I71CS8E22	Cyber Security	0
87	VIII	I71CS8E23	Distributed Databases	100
88	VIII	I71CS8E24	Distributed Systems	40
89	VIII	I71CS8O01	Microprocessor and Multi Core Systems	100
90	VIII	I71CS8O02	Embedded Systems	20
91	VIII	I71CS8O03	Soft Computing	100
92	VIII	I71EE8O05	Robotics	0
93	VIII	I71CS8O04	Operations Research	40
94	VIII	I71CS8O05	Optical Communications	100
95	VIII	I71EE8O07	Internet of Things	0
96	VIII	I71EC8O02	Disaster Management	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
97	VIII	171CS8O06	Renewable Energy sources	100
98	VIII	171CS8O07	Nano Technology and its Applications	100
99	VIII	171CS8P02	Project Work	0

Total number of courses in the academic year 2020-2021	= 99
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	= 23
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(\frac{23}{99}) \times 100$	= 23.23%


Program Coordinator


Head of the Department

Head of the Department
Department of CSE
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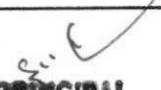
Program Name : **B.Tech. in Information Technology**

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	0
2	I	201BS1T01	Differential Equations and Linear algebra	0
3	I	201BS1T04	Engineering Chemistry	0
4	I	201ES1T02	Programming for Problem Solving using C	0
5	I	201ES1I02	Computer Engineering Workshop	0
6	I	201HS1L01	Communicative English Lab	25
7	I	201BS1L03	Engineering Chemistry Lab	0
8	I	201ES1L02	Programming for Problem Solving using C Lab	0
9	I	201MC1T01	Environmental Science	0
10	I	201BS2T07	Numerical Methods and Complex Variables	0
11	II	201BS2T09	Applied Physics	0
12	II	201ES2T11	Computer Organization	0
13	II	201ES2T04	Python Programming	25
14	II	201ES2T07	Data Structures through C	100
15	II	201BS2L04	Applied Physics Lab	0
16	II	201ES2L06	Data Structures through C Lab	0
17	II	201ES2L14	Python Programming Lab	0
18	II	201MC2L01	Professional Communication Skills Lab	0
19	II	201MC2T02	Constitution of India	0
20	III	191BS3T14	Discrete Mathematics	20
21	III	191ES3T13	Digital Logic Design	0
22	III	191HS3T02	Managerial Economics and Financial Analysis	0
23	III	191CS3T01	Software Engineering	0
24	III	191CS3T02	Object Oriented Programming through Java	100
25	III	191CS3T03	Advanced Data Structures	100
26	III	191CS3L01	Object Oriented Programming through Java Lab	0
27	III	191CS3L02	Advanced Data Structures Lab	20
28	III	191MC3A03	Employability Skills - I	0
29	III	191MC3A04	Essence of Indian Traditional Knowledge	100
30	IV	191BS4T18	Probability and Statistics	20
31	IV	191IT4T01	Theory of Computation	100
32	IV	191CS4T05	Python Programming	0
33	IV	191CS4T06	Design and Analysis of Algorithms	0
34	IV	191ES4T15	Internet of Things	0
35	IV	191CS4T07	Computer Organization	0
36	IV	191CS4L03	Python Programming Lab	0
37	IV	191ES4L17	Internet of Things Lab	0
38	IV	191MC4A05	Employability Skills - II	0
39	IV		Biology for Engineers	100
40	V	171IT5T02	Computer Networks	65
41	V	171CS5T12	Python Programming	0
42	V	171IT5T03	Unix and Shell Programming	0
43	V	171CS5T14	Operating Systems	0
44	V	171IT5E01	Artificial Intelligence	0
45	V	171CS5E02	Advanced Computer Architecture	0
46	V	171CS5E03	Computer Graphics	0
47	V	171CS5E04	Software Testing Methodologies	0

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48	V	171HS5T06	Employability Skills– III	0
49	V	171IT5L01	Operating Systems and Computer Networks Lab	60
50	V	171CS5L06	Python Programming Lab	0
51	V	171CS5L07	Software Testing Lab	0
52	V	171IT5L02	Unix and Shell Programming Lab	0
53	V	171IT5S01	MOOCs – I	0
54	VI	171IT6T04	Object Oriented Analysis and Design Using UML	0
55	VI	171CS6T16	Web Technologies	0
56	VI	171CS6T17	Data Warehousing and Data Mining	0
57	VI	171CS6E05	Software Quality Assurance	0
58	VI	171IT6E02	Neural Networks	20
59	VI	171CS6E08	Social Networks and Semantic Web	0
60	VI	171IT6E03	Design and Analysis of Algorithms	0
61	VI	171IT6E04	Advanced Computer Networks	0
62	VI	171CS6E10	Parallel Computing	0
63	VI	171IT6E05	Multimedia Programming	0
64	VI	171CS6E12	E – Commerce	0
65	VI	171HS6T07	Employability Skills– IV	0
66	VI	171IT6L03	Unified Modeling Language Lab	0
67	VI	171CS6L10	Data Warehousing and Data Mining Lab	0
68	VI	171CS6L11	Web Technologies Lab	100
69	VI	171IT6S02	MOOCs – II	0
70	VII	171CS7T18	Cryptography and Network Security	0
71	VII	171IT7T05	Big Data Analytics	35
72	VII	171CS7T20	Cloud Computing	0
73	VII	171IT7T06	Mobile Computing	0
74	VII	171CS7E13	Software Project Management	0
75	VII	171IT7E06	Machine Learning	20
76	VII	171CS7E15	Image Processing	0
77	VII	171CS7E16	Cyber Laws	0
78	VII	171CS7E19	Information Retrieval Systems	20
79	VII	171IT7E07	Human Computer Interaction	0
80	VII	171IT7E08	Distributed Systems	100
81	VII	171IT7E09	Decision Support System	0
82	VII	171IT7L04	Mobile Computing Lab	0
83	VII	171CS7L13	Big Data Analytics Lab	0
84	VII	171IT7P01	Industry Oriented (Internship) Minor Project	100
85	VIII	171CS8E21	Agile Methodologies	100
86	VIII	171CS8E22	Cyber Security	0
87	VIII	171CS8E23	Distributed Databases	100
88	VIII	171IT8E10	Pattern Recognition	100
89	VIII	171IT8O01	Management Information System	100
90	VIII	171CS8O01	Microprocessor and Multi Core Systems	0
91	VIII	171CS8O02	Embedded Systems	100
92	VIII	171IT8O02	Computer Vision	100
93	VIII	171EE8O05	Robotics	0
94	VIII	171CS8O04	Operations Research	0
95	VIII	171CS8O05	Optical Communications	0
96	VIII	171EE8O07	Internet of Things	0
97	VIII	171EC8O02	Disaster Management	0
98	VIII	171CS8O07	Nano Technology and its Applications	0
99	VIII	171IT8P02	Major Project	0
Total number of courses in the academic year 2020-2021				= 99
Number of courses having revision in syllabus content >= 20% in the academic year 2020-2021				= 24
Percentage of syllabus revision carried out in the academic year 2020-2021 = (49/135)*100				= 24.24%
 Program Coordinator		 Head of the Department		


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Head of the Department
Department of IT
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Program Name : B.Tech. in Petroleum Technology

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	0
2	I	201BS1T01	Differential equations and Linear algebra	0
3	I	201BS1T02	Engineering Physics	0
4	I	201ES1T03	Essential Electrical and Electronics Engineering	0
5	I	201ES1T05	Engineering Graphics	80
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L01	Engineering Physics Lab	0
8	I	201ES1L03	Essential Electrical and Electronics Engineering Lab	0
9	I	201MC1T01	Environmental Science	0
10	II	201BS2T05	Partial Differential Equations and Vector Calculus	0
11	II	201BS2T08	Chemistry of Materials	0
12	II	201ES2T06	Engineering Mechanics	0
13	II	201ES2T08	Programming for Problem Solving Using C	0
14	II	201ES2L07	Engineering Workshop	0
15	II	201ES2L12	Computer Aided Drafting Lab	100
16	II	201HS2L02	Professional Communications Skills Lab	0
17	II	201BS2L05	Engineering Chemistry Lab	0
18	II	201ES2L10	Programming for Problem Solving Using C Lab	0
19	II	201MC2T02	Constitution of India	0
20	III	191PT3T01	Petroleum Exploration	0
21	III	191PT3T02	Geology and Sedimentology	0
22	III	191PT3T03	Chemical Process Calculations	0
23	III	191PT3T04	Mechanical and Materials Science and Engineering	80
24	III	191PT3L01	Mechanical and Material Science Lab	0
25	III	191PT3L02	Geology Lab	100
26	III	191BS3T15	Numerical Methods and Integral Transforms	0
27	III	191MC3A03	Employability Skills – I	0
28	IV	191PT4T06	Momentum Transfer	0
29	IV	191PT4T07	Petroleum Geology	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
30	IV	19IPT4T05	Process Heat Transfer	0
31	IV	19IHS3T02	Managerial Economics and Financial Analysis	0
32	IV	19IHS4T03	Management Science	0
33	IV	19IES4T15	Internet of Things	0
34	IV	19IMC4A05	Employability Skills – II	0
35	IV	19IBS4T19	Complex Variables and Statistical Methods	95
36	IV	19IPT4L03	Process Heat Transfer Lab	0
37	IV	19IPT4L04	Momentum Transfer Lab	0
38	V	17IPT5T06	Process Dynamics and Control	0
39	V	17IPT5T07	Petroleum Exploration	0
40	V	17IPT5T08	Process Instrumentation	0
41	V	17IPT5T09	Well Logging and Formation Evaluation	0
42	V	17IPT5T10	Drilling Technology	0
43	V	17IPT5E01	Well Engineering and Design	0
44	V	17IPT5E02	Fundamentals of Liquefied Natural Gas	0
45	V	17IPT5E03	Pipeline Engineering	0
46	V	17IPT5L03	Instrumentation, Process Dynamics and Control Lab	0
47	V	17IPT5L04	Drilling Fluids Lab	0
48	V	17IHS5T06	Employability Skills - III	0
49	V	17IPT5S01	MOOCs – I	0
50	VI	17IPT6T11	Well Completions, Testing and Services	0
51	VI	17IPT6T12	Petroleum Production Engineering	0
52	VI	17IPT6T13	Petroleum Reservoir Engineering - I	0
53	VI	17IPT6T14	Surface Production Operations	0
54	VI	17IPT6E04	Petroleum Refining and Petrochemical Engineering	0
55	VI	17IPT6E05	Storage and Transportation of Crude Oil and Natural Gas.	0
56	VI	17IPT6E06	Reservoir Stimulation	0
57	VI	17IPT6E07	Natural Gas Hydrates	0
58	VI	17IPT6E08	Natural Gas Engineering	0
59	VI	17IPT6E09	Horizontal Well Technology	0
60	VI	17IPT6L05	Petroleum Analysis Lab	0
61	VI	17IPT6L06	Petroleum Reservoir Simulation Lab	0
62	VI	17IHS6T07	Employability skills - IV	0
63	VI	17IPT5S02	MOOCs – II	0
64	VII	17IPT7T15	Integrated Asset Management and Petroleum Economics	40
65	VII	17IPT7T16	Petroleum Reservoir Engineering - II	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
66	VII	171PT7T17	IOR and EOR Techniques	0
67	VII	171PT7T18	Oil and Gas Processing Plant Design	0
68	VII	171PT7E10	Coal Bed Methane	0
69	VII	171PT7E11	Offshore Engineering	0
70	VII	171PT7E12	Petroleum Corrosion Technology	100
71	VII	171PT7E13	Shale Gas Reservoir Engineering	0
72	VII	171PT7E14	Subsea Engineering	0
73	VII	171PT7E15	Reservoir Modeling and Simulation	0
74	VII	171PT7L07	Petroleum Equipment Design and Simulation Lab	0
75	VII	171PT7L08	Petroleum Reservoir Engineering Lab	0
76	VII	171HS7A04	Managerial Economics and Financial Analysis	0
77	VII	171PT7P01	Industry Oriented (Internship) Minor Project	0
78	VIII	171PT8E16	HSE and FE in Petroleum Industry	0
79	VIII	171PT8E17	Reliability and Risk Management in Petroleum Operations	100
80	VIII	171PT8E18	Deep Sea Production Systems	100
81	VIII	171PT8O01	Green Technologies	0
82	VIII	171PT8O02	Non-Conventional Sources of Energy	0
83	VIII	171PT8O03	Alternative Energy Sources for Automobiles	0
84	VIII	171PT8O04	Waste Water Treatment	0
85	VIII	171PT8O05	Computational Fluid Dynamics	0
86	VIII	171PT8O06	Process Intensification in Petroleum Industry	100
87	VIII	171EC8O02	Disaster Management	100
88	VIII	171PT8P02	Major Project	0

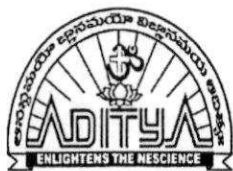
Total number of courses in the academic year 2020-2021	= 88
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	= 11
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(11/88)*100$	= 13.63%

Program Coordinator

Head of the Department

Head of the Department
Department of Petroleum Technology
Aditya Engineering College (A)
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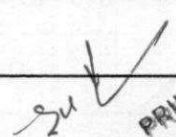
Program Name : B.Tech. in Agricultural Engineering

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	0
2	I	201BS1T01	Differential equations and Linear algebra	0
3	I	201BS1T02	Engineering Physics	0
4	I	201ES1T04	Principles of Agronomy and Soil Science	5
5	I	201ES1T05	Engineering Graphics	10
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L01	Engineering Physics Lab	0
8	I	201ES1L04	Soil Science and Agronomy Field Lab	20
9	I	201MC1T01	Environmental Science	0
10	I	201BS2T05	Partial Differential Equations and Vector Calculus	0
11	II	201BS2T08	Chemistry of Materials	0
12	II	201ES2T06	Engineering Mechanics	0
13	II	201ES2T08	Programming for Problem Solving Using C	0
14	II	201ES2L07	Engineering Workshop	0
15	II	201ES2L12	Computer Aided Drafting Lab	100
16	II	201HS2L02	Professional communications skills Lab	0
17	II	201BS2L05	Engineering Chemistry Lab	0

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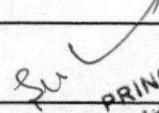
18	II	201ES2L10	Programming for Problem Solving Using C	0
19	II	201MC2T02	Constitution of India	0
20	III	191BS3T11	Integral Transforms and Applications of Partial Differential Equations	40
21	III	191ES3T10	Internet of Things	100
22	III	191HS3T02	Managerial Economics and Financial Analysis	0
23	III	191AG3T01	Principles of Agronomy and Soil Science	10
24	III	191AG3T02	Fluid Mechanics and Open Channel Hydraulics	0
25	III	191AG3T03	Surveying and Leveling	0
26	III	191AG3L01	Principles of Agronomy and Soil Science Lab	20
27	III	191AG3L02	Fluid Mechanics and Open Channel Hydraulics Lab	10
28	III	191AG3L03	Surveying and Leveling Lab	0
29	III	191MC3A03	Employability Skills – I	0
30	III	191MC3A04	Essence of Indian Traditional Knowledge	100
31	IV	191BS4T16	Numerical Methods & Statistical Techniques	100
32	IV	191AG4T04	Thermodynamics and Refrigeration System	15
33	IV	191AG4T05	Farm Power and Tractor Systems	15
34	IV	191AG4T06	Ground Water Hydrology	5
35	IV	191AG4T07	Heat and Mass Transfer	10
36	IV	191AG4T08	Surface Water Hydrology	0
37	IV	191AG4L04	Ground Water Hydrology Lab	100
38	IV	191AG4L05	Farm Power and Tractor Systems Lab	50
39	IV	191AG4L06	Heat and Mass Transfer lab	100
40	IV	191MC4A05	Employability Skills – II	0
41	IV	191MC4A06	Biology for Engineers	100


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42	V	171AG5T09	Theory of Structures	0
43	V	171AG5T10	Irrigation and Drainage Engineering	0
44	V	171AG5T11	Agricultural Process Engineering	0
45	V	171AG5T12	Agricultural Extension Techniques and Business Management	0
46	V	171AG5T13	Farm Power and Tractor Systems	0
47	V	171AG5E01	Agro Industries and Bi-Product Utilization	0
48	V	171HS5E01	Managerial Economics and Financial Analysis	0
49	V	171AG5E02	Rural Water Supply, Sanitation and Environmental Engineering	0
50	V	171HS5T06	Employability Skills - III	0
51	V	171AG5L02	Agricultural Process Engineering Lab	0
52	V	171AG5L03	Field Operation and Maintenance of Tractors Lab	0
53	V	171AG5S01	MOOCs – I	0
54	VI	171AG6T14	Soil and Water Conservation Engineering	0
55	VI	171AG6T15	Farm Machinery and Equipment – I	0
56	VI	171AG6T16	Design of Soil, Water Conservation and Farm Structures	0
57	VI	171AG6T17	Post Harvest Engineering for Horticulture Produce	0
58	VI	171AG6E03	GIS and Remote Sensing	0
59	VI	171AG6E04	Human Engineering and Safety	0
60	VI	171AG6E05	Production Technology of Agricultural Machinery	0
61	VI	171AG6E06	Green House / Poly House Technology	0
62	VI	171AG6E07	Optimization, Operations Research and Systems Engineering	0
63	VI	171AG6E08	Industrial Engineering and Management	0
64	VI	171HS6T07	Employability Skills - IV	0
65	VI	171AG6L04	Farm Machinery Lab - I	0

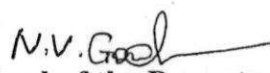
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66	VI	171AG6L05	Soil and Water Engineering Lab	0
67	VI	171AG6S02	MOOCs – II	0
68	VII	171AG7T18	Micro Irrigation Engineering	0
69	VII	171AG7T19	Farm Machinery and Equipment – II	20
70	VII	171AG7T20	Dairy and Food Engineering	0
71	VII	171ES7T26	Mechanical Measurements and Instrumentation	0
72	VII	171AG7E09	Seed Processing and Storage Engineering	20
73	VII	171AG7E10	Food Processing Plant Design and Layout	0
74	VII	171AG7E11	Food Packaging Technology	20
75	VII	171AG7E12	Aqua Cultural Engineering	100
76	VII	171AG7E13	Soil Dynamics in Tillage and Traction	100
77	VII	171AG7E14	Computational Fluid Dynamics	100
78	VII	171AG7L06	Farm Machinery Lab – II	20
79	VII	171AG7L07	Dairy and Food Engineering Lab	20
80	VII	171AG7P01	Industry Oriented (Internship) Minor Project	100
81	VIII	171AG8E15	Hydraulic Devices and Control	100
82	VIII	171AG8E16	Watershed Management	0
83	VIII	171AG8E17	Design of Agricultural Machinery	20
84	VIII	171AG8O01	Digital Control systems	0
85	VIII	171AG8O02	Industrial Pollution Control Engineering	20
86	VIII	171AG8O03	Mechatronics	100
87	VIII	171AG8O04	Water Resources Systems Planning and Management	0
88	VIII	171CS8O04	Operations Research	20
89	VIII	171AG8O05	Image Processing Techniques	0


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90	VIII	171AG8P02	Major Project	0
Total number of courses in the academic year 2020-2021				90
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021				26
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(26/90) \times 100$				28.88


Program Coordinator


N.V. Gopal
Head of the Department
Head of the Department
Department of Agricultural Engineering
ADITYA ENGINEERING COLLEGE (A9)


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Program Name : B.Tech. in Mining Engineering

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	1	201HS1T01	Communicative English	0
2	1	201BS1T01	Differential equations and Linear algebra	0
3	1	201BS1T02	Engineering Physics	0
4	1	201ES1T03	Essential Electrical and Electronics Engineering	0
5	1	201ES1T05	Engineering Graphics	30
6	1	201HS1L01	Communicative English Lab	0
7	1	201BS1L01	Engineering Physics Lab	0
8	1	201ES1L03	Essential Electrical and Electronics Engineering Lab	0
9	1	201MC1T01	Environmental Science	0
10	2	201BS2T05	Partial Differential Equations and Vector Calculus	0
11	2	201BS2T08	Chemistry of Materials	0
12	2	201ES2T06	Engineering Mechanics	0
13	2	201ES2T08	Programming for Problem Solving Using C	0
14	2	201ES2L07	Engineering Workshop	0
15	2	201ES2L12	Computer Aided Drafting Lab	100
16	2	201HS2L02	Professional Communications Skills Lab	0
17	2	201BS2L05	Engineering Chemistry Lab	0
18	2	201ES2L10	Programming for Problem Solving Using C Lab	0
19	2	201MC2T02	Constitution of India	0
20	3	191BS3T15	Numerical Methods and Integral Transforms	20
21	3	191ES3T10	Internet of Things	100
22	3	191ES3T14	Basic Mechanical Engineering	0
23	3	191MI3T01	Mining Geology	15
24	3	191MI3T02	Mine Surveying-I	0
25	3	191MI3T03	Development of Mineral Deposits	40
26	3	191MI3L01	Geology Lab	20
27	3	191MI3L02	Basic Mechanical Engineering Lab	0
28	3	191MC3A03	Employability Skills - I	0
29	3	191MC3A04	Essence of Indian Traditional Knowledge	100
30	4	191BS4T19	Complex Variables and Statistical Methods	45
31	4	191MI4T04	Mine Surveying-II	0
32	4	191MI4T05	Surface Mining	0
33	4	191MI4T06	Underground Coal Mining Technology	0
34	4	191MI4T07	Fundamentals of Rock Mechanics	0
35	4	191MI4T08	Geo-statistics	100
36	4	191MI4L03	Rock Mechanics Lab	0
37	4	191ES4L18	Mine Surveying Lab	0
38	4	191MC4A05	Employability Skills - II	0
39	4	191MC4A06	Biology for Engineers	100
40	5	171MI5T09	Under Ground Coal Mining Technology	0

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41	5	171MI5T10	Mine Environment Engineering - I	0
42	5	171MI5T11	Basic Geo Mechanics	0
43	5	171MI5T12	Mine Surveying - II	0
44	5	171HS5T04	Managerial Economics and Financial Analysis	0
45	5	171MI5E01	Maintenance and Reliability Engineering	0
46	5	171MI5E02	Mine Construction and Management	0
47	5	171MI5E03	Industrial Management and Labor Relations	0
48	5	171HS5T06	Employability Skills – III	0
49	5	171MI5L03	Rock Mechanics Lab	0
50	5	171MI5S01	MOOCs-I	0
51	5	171MI5L04	Mine Surveying Lab	0
52	6	171MI6T13	Under Ground Metal Mining Technology	0
53	6	171MI6T14	Mineral Processing Technology	0
54	6	171MI6T15	Mine Environment Engineering - II	0
55	6	171MI6T16	Mining Machinery	0
56	6	171MI6E04	Advanced Geo Mechanics	0
57	6	171MI6E05	Mine Fire and Spontaneous	0
58	6	171MI6E06	Mineral Exploration	0
59	6	171MI6E07	Advance Surveying Technology	0
60	6	171MI6E08	Mine Subsidence Engineering	0
61	6	171MI6E09	Rock Fragmentation Engineering	0
62	6	171HS6T07	Employability Skills - IV	0
63	6	171MI6L05	Mineral Processing Technology Lab	0
64	6	171MI6L06	Environmental Engineering Lab	0
65	6	171MI6S02	MOOCs II	0
66	7	171MI7T17	Mine Economics	20
67	7	171MI7T18	Mine Health and Safety Engineering	20
68	7	171MI7T19	Mine Legislation and General Safety	0
69	7	171MI7T20	Mine Management	100
70	7	171MI7E10	Planning of UGMM Project	0
71	7	171MI7E11	Planning of UGCM Project	0
72	7	171MI7E12	Planning of Surface Mining Project	0
73	7	171MI7E13	Mine mechanization	0
74	7	171MI7E14	Advance Underground Coal Mining Technology	100
75	7	171MI7E15	Mine Blasting operation	10
76	7	171MI7L07	Mine Planning and Design Lab	0
77	7	171ES7L16	Mechanical Engineering Lab	100
78	7	171MI7P01	Industry Oriented (Internship) Minor Project	100
79	8	171MI8E16	Mine Systems Engineering	100
80	8	171MI8E17	Advance Surface Mining Technology	100
81	8	171MI8E18	Advanced Underground Metal Mining Technology	100
82	8	171EE8O05	Robotics	100
83	8	171MI8O01	Environmental Impact Assessment	100
84	8	171MI8O02	Mine Closure and Reclamation	100
85	8	171MI8O03	Fundamentals of Communication	100
86	8	171MI8O04	Remote Sensing and GIS	100
87	8	171MI8O05	Quantitative Decision Making	100

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88	8	171MI8P02	Major Project	0
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Total number of courses in the academic year 2020-2021		88
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021		25
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(25/88)*100$		28.41


Program Coordinator


Head of the Department

Head of the Department
DEPARTMENT OF MINING ENGINEERING
ADITYA ENGINEERING COLLEGE (A9)


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Program Name : M.Tech. in Thermal Engineering

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	192TE1T01	Advanced Fluid Mechanics	0
2	I	192TE1T02	Computational Fluid Dynamics	0
3	I	192TE1E01	Advanced IC Engines, Electric and Hybrid Vehicles	0
4	I	192TE1E02	Gas Dynamics	0
5	I	192TE1E03	Cryogenic Engineering	0
6	I	192TE1E04	Advanced Thermodynamics	0
7	I	192TE1E05	Gas Turbines	0
8	I	192TE1E06	Alternative Fuel Technologies	0
9	I	192TE1E07	Energy Conservation and Management	0
10	I	192TE1E08	Theory And Technology of Fuel Cells	0
11	I	192HS1T01	Research Methodology And IPR	0
12	I	192TE1L01	Computational Fluid Dynamics Lab-I	0
13	I	19TE1L02	Thermal Engineering Lab -I	0
14	I	192MC1A01/192MC2A01	English for Research Paper Writing	0
15	I	192MC1A02/192MC2A02	Disaster Management	0
16	I	192MC1A03/192MC2A03	Sanskrit for Technical Knowledge	0
17	I	192MC1A04/192MC2A04	Value Education	0
18	I	192MC1A05/192MC2A05	Constitution of India	0
19	I	192MC1A06/192MC2A06	Pedagogy Studies	0
20	I	192MC1A07/192MC2A07	Stress Management By YOGA	0
21	I	192MC1A08/192MC2A08	Personality Development Through Life Enlightenment Skills	0
22	I	192MC1A09/192MC2A09	Soft Skills	0
23	II	192TE2T03	Advanced Heat Transfer	0
24	II	192TE2T04	Thermal Measurements and Process Controls	0
25	II	192TE2E09	Equipment Design for Thermal Systems	0
26	II	192TE2E10	Solar Energy Technologies	0
27	II	192TE2E11	Advanced Power Plant Engineering	0
28	II	192TE2E12	Combustion, Emissions and Environment	0
29	II	192TE2E13	Jet Propulsion and Rocket Engineering	0
30	II	192TE2E14	Automotive Engineering	0
31	II	192TE2E15	Modeling and I.C. Engines	0

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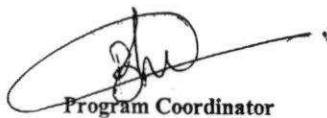
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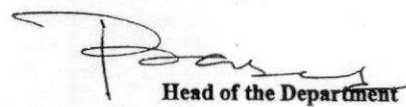
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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
32	II	192TE2E16	Renewable Energy Technologies	0
33	II	192TE2L03	Computational Fluid Dynamics Lab-II	0
34	II	192TE2L04	Thermal Engineering Lab -II	0
35	II	192TE2P01	Mini Project with Seminar	0
36	III	192TE3E17	Optimization Techniques and Applications	0
37	III	192TE3E18	Design and Analysis of Experiments	100
38	III	192TE3E19	Convective Heat Transfer	0
39	III	192TE3E20	Waste to Energy	100
40	III	192ST3O01	Repair & Rehabilitation of Structures	100
41	III	192ST3O02	Green Building Systems	100
42	III	192ST3O03	Basic Concrete Technology	100
43	III	192ST3O04	Basic Foundation Engineering	100
44	III	192PD3O01	Renewable Energy Technologies	100
45	III	192PD3O02	Hybrid Electric Vehicles	100
46	III	192PD3O03	Energy Audit and Conservation Management	100
47	III	192PD3O04	Neural Networks and Fuzzy Logic	100
48	III	192PD3O05	Industrial Safety	100
49	III	192PD3O06	Composite Materials	100
50	III	192ES3O01	Embedded System Design	100
51	III	192ES3O02	Digital System Design	100
52	III	192ES3O03	Programming Languages for Embedded Systems	100
53	III	192ES3O04	Sensors & Actuators	100
54	III	192VD3O01	Physical Design Automation	100
55	III	192VD3O02	VLSI Technology	100
56	III	192VD3O03	Nano-Electronics	100
57	III	192CS3O01	Python Programming	100
58	III	192CS3O02	Principles of Cyber Security	100
59	III	192CS3O03	Internet of Things	100
60	III	192CS3O04	Machine Learning	100
61	III	192CS3O05	Artificial Intelligence	100
62	III	192CS3O06	Deep Learning	100
63	III	192PE3O01	Introduction to Petroleum Engineering	100
64	III	192PE3O02	Process Intensification	100
65	III	192PE3O03	Fundamentals of Liquefied Natural Gas	100
66	III	192PE3O04	Subsea Engineering	100
67	III	192PE3O05	Geology	100
68	III	192PE3O06	HSE In Petroleum Industry	100
69	III	192TE3P02	Dissertation I/Industrial Project	0
70	IV	192TE4P03	Dissertation II	0

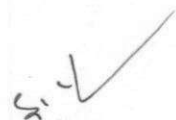
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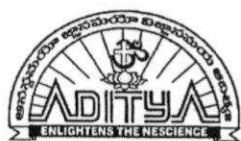
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
Total number of courses in the academic year 2020-2021				70
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021				31
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(31/70)*100$				= 44.28


Program Coordinator


Head of the Department

Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
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Program Name : M.Tech. in Power Electronics and Drives

Syllabus Revision for the Academic Year 2020-2021

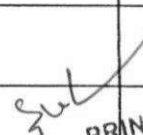
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	192PD1T01	Electrical Machine Modeling and Analysis	0
2	I	192PD1T02	Analysis of Power Electronic Converters	0
3	I	192PD1E01	Modern Control Theory	0
4	I	192PD1E02	Power Quality and Custom Power Devices	0
5	I	192PD1E03	Programmable Logic Controllers & Applications	0
6	I	192PD1E04	Artificial Intelligence Techniques	0
7	I	192PD1E05	Renewable Energy Technologies	0
8	I	192PD1E06	HVDC Transmission and Flexible AC Transmission System	0
9	I	192HS1T01	Research Methodology and IPR	0
10	I	192PD1L01	Power Electronics Simulation Laboratory	0
11	I	192PD1L02	Power Converters Laboratory	0
12	I / II	19MC1A01 19MC2A01	English for Research Paper Writing	0
13	I / II	19MC1A02 19MC2A02	Disaster Management	0
14	I / II	19MC1A03 19MC2A03	Sanskrit for Technical Knowledge	0
15	I / II	19MC1A04 19MC2A04	Value Education	0
16	I / II	19MC1A05 19MC2A05	Constitution of India	0
17	I / II	19MC1A06 19MC2A06	Pedagogy Studies	0
18	I / II	19MC1A07 19MC2A07	Stress Management by Yoga	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	I / II	19MC1A08 19MC2A08	Personality Development through Life Enlightenment Skills	0
20	I / II	19MC1A09 19MC2A09	Soft Skills	0
21	II	192PD2T03	Switched Mode Power Conversion	0
22	II	192PD2T04	Power Electronic Control of Electrical Drives	0
23	II	192PD2E07	Control & Integration of Renewable Energy Systems	0
24	II	192PD2E08	Hybrid Electric Vehicles	0
25	II	192PD2E09	Digital Control Systems	0
26	II	192PD2E10	Advanced Digital Signal Processing	0
27	II	192PD2E11	Applications of Power Converters	0
28	II	192PD2E12	Microcontrollers	0
29	II	192PD2L03	Electric Drives Simulation Laboratory	0
30	II	192PD2L04	Electric Drives Laboratory	0
31	II	192PD2P01	Mini Project with Seminar	0
32	III	192PD3P02	Dissertation I/Industrial Project	0
33	III	192PD3E13	Digital Signal Processing Controlled Drives	100
34	III	192PD3E14	Smart Grid Technologies	0
35	III	192PD3E15	Modeling & Simulation of Power Electronic Systems	100
36	III	19ST3O01	Repair and Rehabilitation of Structures	100
37	III	19ST3O02	Green Building Systems	100
38	III	19ST3O03	Basic Concrete Technology	100
39	III	19ST3O04	Basic Foundation Engineering	100
40	III	19STE3O01	Fuels and Combustion	100
41	III	19STE3O02	IC Engines	100

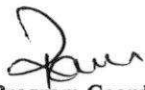
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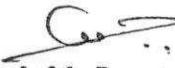
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
42	III	19STE3O03	Automotive Technology	100
43	III	19STE3O04	Embedded System Design	100
44	III	19STE3O05	Digital System Design	100
45	III	19ES3O01	Embedded System Design	100
46	III	19ES3O02	Digital System Design	100
47	III	19ES3O03	Programming Languages for Embedded Systems	100
48	III	19ES3O04	Sensors and Actuators	100
49	III	19VD3O01	Physical Design Automation	100
50	III	19VD3O02	VLSI Technology	100
51	III	19VD3O03	Nano-electronics	100
52	III	19CS3O01	Python Programming (CSE)	100
53	III	19CS3O02	Principles of Cyber Security	100
54	III	19CS3O03	Internet of Things	100
55	III	19CS3O04	Machine Learning	100
56	III	19CS3O05	Artificial Intelligence	100
57	III	19CS3O06	Deep Learning	100
58	III	19PE3O01	Introduction to Petroleum Engineering	100
59	III	19PE3O02	Process Intensification	100
60	III	19PE3O03	Fundamentals of Liquefied Natural Gas	100
61	III	19PE3O04	Subsea Engineering	100
62	III	19PE3O05	Geology	100
63	III	19PE3O06	HSE in Petroleum Industry	100


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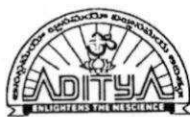
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
64	IV	192PD4P03	Dissertation II	0

Total number of courses in the academic year 2020-2021	= 64
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	= 30
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(30/64) \times 100$	= 46.87%


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

Program Name : **M.Tech. in Computer Science and Engineering**

Syllabus Revision for the Academic Year 2020-2021				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	192CS1T01	Mathematical Foundations of Computer Science	0
2	I	192CS1T02	Advanced Data Structures & Algorithms	0
3	I	192CS1E01	Big Data Analytics	0
4	I	192CS1E02	Digital Image Processing	0
5	I	192CS1E03	Advanced Operating Systems	0
6	I	192CS1E04	Advanced Computer Networks	0
7	I	192CS1E05	Internet of Things	0
8	I	192CS1E06	Object Oriented Software Engineering	0
9	I	192HS1T01	Research Methodology and IPR	0
10	I	192CS1L01	Advanced Data Structures & Algorithms Lab	0
11	I	192CS1L02	Advanced Computing Lab	0
12	II	192CS2T03	Machine learning	0
13	II	192CS2T04	MEAN Stack Technologies	0
14	II	192CS2E07	Advanced Databases and Mining	0
15	II	192CS2E08	Ad Hoc & Sensor Networks	0
16	II	192CS2E09	Soft Computing	0
17	II	192CS2E10	Cloud Computing	0
18	II	192CS2E11	Principles of computer security	0
19	II	192CS2E12	High Performance Computing	0
20	II	192CS2L03	Machine Learning with Python lab	0
21	II	192CS2L04	MEAN Stack Technologies Lab	0
22	II	192CS2P01	Mini Project with Seminar	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
23	I/II	192MC1A01/ 192MC2A01	English for Research Paper Writing	0
24	I/II	191MC2A02/ 192MC2A02	Disaster Management	0
25	I/II	192MC1A03/ 192MC2A03	Sanskrit for Technical Knowledge	0
26	I/II	192MC1A04/ 192MC2A04	Value Education	0
27	I/II	192MC1A05/ 192MC2A05	Constitution of India	0
28	I/II	192MC1A06/ 192MC2A06	Pedagogy Studies	0
29	I/II	192MC1A07/ 192MC2A07	Stress Management by Yoga	0
30	I/II	192MC1A08/ 192MC2A08	Personality Development through Life Enlightenment Skills	0
31	I/II	192MC1A09/ 192MC2A09	Soft Skills	0
32	III	192CS3P02	Dissertation-I/ Industrial Project	0
33	III	192CS3E13	Deep Learning	100
34	III	192CS3E14	Social Network Analysis	100
35	III	192ST3O01	Repair & Rehabilitation of Structures	100
36	III	192ST3O02	Green Building Systems	100
37	III	192ST3O03	Basic Concrete Technology	100
38	III	192ST3O04	Basic Foundation Engineering	100
39	III	192PD3O01	Renewable Energy Technologies	100
40	III	192PD3O02	Hybrid Electric Vehicles	100
41	III	192PD3O03	Energy Audit and conservation Management	100
42	III	192PD3O04	Neural Networks and Fuzzy Logic	100
43	III	192PD3O05	Industrial Safety	100
44	III	192PD3O06	Composite Materials	100
45	III	192TE3O01	Energy Systems	100
46	III	192TE3O02	Fuels and Combustion	100
47	III	192TE3O03	Green Engineering Technology	100
48	III	192TE3O04	IC Engines	100

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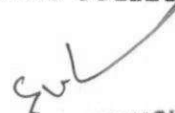
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
49	III	192TE3O05	Automotive Technology	100
50	III	192ES3O01	Embedded System Design	100
51	III	192ES3O02	Digital System Design	100
52	III	192ES3O03	Programming Languages for Embedded Systems	100
53	III	192ES3O04	Sensors & Actuators	100
54	III	192VD3O01	Physical Design Automation	100
55	III	192VD3O02	VLSI Technology	100
56	III	192VD3O03	Nano-electronics	100
57	III	192CS3O05	Artificial Intelligence	100
58	III	192CS3O06	Deep Learning	100
59	III	192PE3O01	Introduction to Petroleum Engineering	100
60	III	192PE3O02	Process Intensification	100
61	III	192PE3O03	Fundamentals of Liquefied Natural Gas	100
62	III	192PE3O04	Subsea Engineering	100
63	III	192PE3O05	Geology	100
64	III	192PE3O06	HSE in Petroleum Industry	100
65	IV	192CS4P03	Dissertation-II	0

Total number of courses in the academic year 2020-2021	= 65
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	= 32
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(32/65) \times 100$	= 49.23%


Program Coordinator


Head of the Department

Head of the Department
Department of CSE
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Program Name : **M.Tech. in VLSI Design**

Syllabus Revision for the Academic Year 2020-21

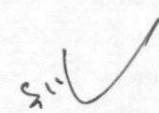
S.No	Semester ¹	Course Code	Course Name	% of content revised for the existing year
1	I	192VD1T01	CMOS Analog IC Design	0
2	I	192VD1T02	CMOS Digital IC Design	0
3	I	192HS1T01	Research methodology and IPR	0
4	I	192VD1E01	VLSI Technology	0
5	I	192VD1E02	Nano materials and Nanotechnology	0
6	I	192VD1E03	MEMS Technology	0
7	I	192VD1E04	Device Modelling	0
8	I	192VD1E05	Nano-Electronics	0
9	I	192VD1E06	Photonics	0
10	I	192VD1L01	CMOS Analog IC Design Lab	0
11	II	192VD1L02	CMOS Digital IC Design Lab	0
12	II	192VD2T03	Mixed Signal & RF IC Design	0
13	II	192VD2T04	Physical Design Automation	0
14	II	192VD2E07	Design For Testability	0
15	II	192VD2E08	IoT & Its Applications	0
16	II	192VD2E09	VLSI Signal Processing	0
17	II	192VD2E10	Microcontrollers & programmable Digital Signal Processors	0
18	II	192EM2E11	Network Security & Cryptography	0
19	II	192VD2E11	Low Power VLSI Design	0
20	II	192VD2L03	Mixed Signal IC Design Lab	0
21	II	192VD2L04	Physical Design Automation Lab	0
22	II	192VD2P01	Mini Project with Seminar	0
23	II	192MC1A01/192MC2A01	English for Research Paper Writing	0
24	II	192MC1A02/192MC2A02	Disaster Management	0
25	II	192MC1A03/192MC2A03	Sanskrit for Technical Knowledge	0
26	II	192MC1A04/192MC2A04	Value Education	0
27	II	192MC1A05/192MC2A05	Constitution of India	0
28	II	192MC1A06/192MC2A06	Pedagogy Studies	0
29	II	192MC1A07/192MC2A07	Stress Management by Yoga	0
30	II	192MC1A08/192MC2A08	Personality Development through Life Enlightenment Skills	0
31	II	192MC1A09/192MC2A09	Soft Skills	0
32	III	192VD3E12	Scripting Languages for VLSI	100
33	III	192VD3E13	Digital System Design & Verification	100

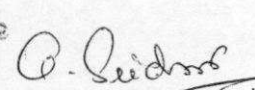
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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
34	III	192EM3E14	Hardware Software co-design	0
35	III	192ST3O01	Repair & Rehabilitation of Structures	100
36	III	192ST3O02	Green Building Systems	100
37	III	192ST3O03	Basic Concrete Technology	100
38	III	192ST3O04	Basic Foundation Engineering	100
39	III	192PD3O01	Renewable Energy Technologies	100
40	III	192PD3O02	Hybrid Electric Vehicles	100
41	III	192PD3O03	Energy Audit and conservation Management	100
42	III	192PD3O04	Neural Networks and Fuzzy Logic	100
43	III	192PD3O05	Industrial Safety	100
44	III	192PD3O06	Composite Materials	100
45	III	192TE3O01	Energy Systems	100
46	III	192TE3O02	Fuels and Combustion	100
47	III	192TE3O03	Green Engineering Technology	100
48	III	192TE3O04	IC Engines	100
49	III	192TE3O05	Automotive Technology	100
50	III	192ES3O01	Embedded System Design	100
51	III	192ES3O03	Programming Languages for Embedded Systems	100
52	III	192ES3O04	Sensors & Actuators	100
53	III	192CS3O01	Python Programming (CSE)	100
54	III	192CS3O02	Principles of Cyber Security	100
55	III	192CS3O03	Internet of Things	100
56	III	192CS3O04	Machine Learning	100
57	III	192CS3O05	Artificial Intelligence	100
58	III	192CS3O06	Deep Learning	100
59	III	192PE3O01	Introduction to Petroleum Engineering	100
60	III	192PE3O02	Process Intensification	100
61	III	192PE3O03	Fundamentals of Liquefied Natural Gas	100
62	III	192PE3O04	Subsea Engineering	100
63	III	192PE3O05	Geology	100
64	III	192PE3O06	HSE in Petroleum Industry	100
65	III	192VD3P03	Dissertation-I/ Industrial Project	0
66	IV	192VD4P04	Dissertation-II	0

Total number of courses in the academic year 2020-2021	66
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-21	32
Percentage of syllabus revision carried out in the academic year 2020-21 = $(32/66)100$	48.40%


Program Coordinator


PRINCIPAL
Aditya Engineering College
SURAMPALAM


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



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

Program Name : **M.Tech. in Structural Engineering**

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	192ST1T01	Theory of Elasticity	0
2	I	192ST1T02	Structural dynamics	0
3	I	192ST1T03	Advanced Concrete Technology	0
4	I	192ST1E03	Design of RCC Foundations	0
5	I	192ST1E01	Matrix Analysis of Structures	0
6	I	192ST1E02	Analytical & Numerical Method for Structural Engineering	0
7	I	192ST1E05	Repair & Rehabilitation of Structures	0
8	I	192ST1E04	Bridge Engineering	0
9	I	192ST1E06	Advanced Reinforced Concrete Design	0
10	I	192ST1L01	Advanced Concrete Technology Laboratory	0
11	I	192ST1L02	Advanced Structural Engineering Laboratory	0
12	II	192ST2T04	Finite Element Methods in Structural Engineering	0
13	II	192ST2T05	Theory of Plates and Shells	0
14	II	192ST2E07	Stability of Structures	0
15	II	192ST2E08	Advanced Steel Design	0
16	II	192ST2E09	Analysis of offshore Structures	0
17	II	192ST2E10	Earthquake Resistant Design of Buildings	0
18	II	192ST2E11	Precast and Prefabricated Structures	0
19	II	192ST2E12	Earth Retaining Structures	0
20	II	192ST2L03	Computer Aided Design Laboratory	0

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22	II	192ST2P01	Mini Project With Seminar	0
23	I/II	C1A01/192MC2	English for Research Paper Writing	0
24	I/II	C1A02/192MC2	Disaster Management	0
25	I/II	C1A03/192MC2	Sanskrit for Technical Knowledge	0
26	I/II	C1A04/192MC2	Value Education	0
27	I/II	C1A05/192MC2	Constitution of India	0
28	I/II	C1A06/192MC2	Pedagogy Studies	0
29	I/II	C1A07/192MC2	Stress Management by Yoga	0
30	I/II	C1A08/192MC2	Personality Development through Life Enlightenment Skills	0
31	I/II	C1A09/192MC2	Soft Skills	0
32	3	192ST3E13	Design of Pre-stressed Concrete structures	33
33	3	192ST3E14	Structural Health Monitoring	100
34	3	192ST3E15	Industrial Structures	0
35	3	19STMOOC1	MOOCS-I*	100
36	3	---	MOOCs-II #	100
37	3	192PD3O01	Renewable Energy Technologies	100
38	3	192PD3O02	Hybrid Electric Vehicles	100
39	3	192PD3O03	Energy Audit and conservation Management	100
40	3	192PD3O04	Neural Networks and Fuzzy Logic	100
41	3	192PD3O05	Industrial Safety	100
42	3	192PD3O06	Composite Materials	100
43	3	192TE3O01	Energy Systems	100
44	3	192TE3O02	Fuels and Combustion	100
45	3	192TE3O04	IC Engines	100
46	3	192TE3O05	Automotive Technology	100
47	3	192ES3O01	Embedded System Design	100

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49	3	192ES3O03	Programming Languages for Embedded Systems	100
50	3	192ES3O04	Sensors & Actuators	100
51	3	192VD3O01	Physical Design Automation	100
52	3	192VD3O02	VLSI Technology	100
53	3	192VD3O03	Nano-electronics	100
54	3	192CS3O01	Python Programming (CSE)	100
55	3	192CS3O02	Principles of Cyber Security	100
56	3	192CS3O03	Internet of Things	100
57	3	192CS3O04	Machine Learning	100
58	3	192CS3O05	Artificial Intelligence	100
59	3	192CS3O06	Deep Learning	100
60	3	192PE3O01	Introduction to Petroleum Engineering	100
61	3	192PE3O02	Process Intensification	100
62	3	192PE3O03	Fundamentals of Liquefied Natural Gas	100
63	3	192PE3O04	Subsea Engineering	100
64	3	192PE3O06	HSE in Petroleum Industry	100
65	3	192ST3P02	Dissertation-I/ Industrial Project	100
66	4	192ST4P03	Dissertation – II	0
Total number of courses in the academic year 2020-2021				= 66
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021				= 32
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(32/66)*100$				= 48.08%

Program Coordinator

Head of the Department

PRINCIPAL
Aditya Engineering College
SURAMPALAM
Head of the Department
Dept. of Civil Engineering
ADITYA ENGINEERING COLLEGE 'AC'



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Program Name : **M.Tech. in Petroleum Engineering**

Syllabus Revision for the Academic Year 2020-2021

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	192PE1T01	Offshore Drilling.	0
2	I	192PE1T02	Fundamentals of Petroleum Geology and Reservoir Engineering. (NON-PE stream)	0
3	I	192PE1T03	Reservoir Stimulation (PE stream)	0
4	I	192PE1T04	Petroleum Well Drilling and Production Engineering. (NON-PE stream)	0
5	I	192PE1E01	Advanced Numerical Methods and Applied	0
6	I	192PE1E02	CBM and Shale Gas Engineering	0
7	I	192PE1E03	Transportation of Oil and Gas	0
8	I	192PE1E04	Advanced Well Logging Techniques and Well Testing Analysis	0
9	I	192HS1T01	Research Methodology and IPR	0
10	I	192PE1L01	Advanced Numerical Methods and	0
11	I	192PE1L02	Drilling Simulation Laboratory	0
12	II	192PE2T05	Artificial Lift Techniques	0
13	II	192PE2T06	Reservoir Modeling and Simulation	0
14	II	192PE2E05	Advanced EOR Techniques	0
15	II	192PE2E06	Advanced Well Completions	0
16	II	192PE2E07	Flow Assurance	0
17	II	192PE2E08	Advanced Horizontal Well Technology	0
18	II	192PE2L03	Reservoir Simulation Laboratory	0
19	II	192PE2L04	Flow Assurance Laboratory	0
20	II	192PE2P01	Mini Project with Seminar	0
21	I & II	192MC1A01/192MC2A01	English for Research Paper Writing	0
22	I & II	192MC1A02/192MC2A02	Disaster Management	0
23	I & II	192MC1A03/192MC2A03	Sanskrit for Technical Knowledge	0
24	I & II	192MC1A04/192MC2A04	Value Education	0
25	I & II	192MC1A05/192MC2A05	Constitution of India	0
26	I & II	192MC1A06/192MC2A06	Pedagogy Studies	0

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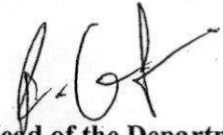
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
27	I & II	192MC1A07/192MC2A07	Stress Management by Yoga	0
28	I & II	192MC1A08/192MC2A08	Personality Development through Life Enlightenment Skills	0
29	I & II	192MC1A09/192MC2A09	Soft Skills	0
30	III	192ST3O01	Repair & Rehabilitation of Structures	100
31	III	192ST3O02	Green Building Systems	100
32	III	192ST3O03	Basic Concrete Technology	100
33	III	192ST3O04	Basic Foundation Engineering	100
34	III	192PD3O01	Renewable Energy Technologies	100
35	III	192PD3O02	Hybrid Electric Vehicles	100
36	III	192PD3O03	Energy Audit and conservation Management	100
37	III	192PD3O04	Neural Networks and Fuzzy Logic	100
38	III	192PD3O05	Industrial Safety	100
39	III	192PD3O06	Composite Materials	100
40	III	192TE3O01	Energy Systems	100
41	III	192TE3O02	Fuels and Combustion	100
42	III	192TE3O03	Green Engineering Technology	100
43	III	192TE3O04	IC Engines	100
44	III	192TE3O05	Automotive Technology	100
45	III	192ES3O01	Embedded System Design	100
46	III	192ES3O02	Digital System Design	100
47	III	192ES3O03	Programming Languages for	100
48	III	192ES3O04	Sensors & Actuators	100
49	III	192VD3O01	Physical Design Automation	100
50	III	192VD3O02	VLSI Technology	100
51	III	192VD3O03	Nano-electronics	100
52	III	192CS3O01	Python Programming (CSE)	100
53	III	192CS3O02	Principles of Cyber Security	100
54	III	192CS3O03	Internet of Things	100
55	III	192CS3O04	Machine Learning	100
56	III	192CS3O05	Artificial Intelligence	100
57	III	192CS3O06	Deep Learning	100
58	III	192PE3O01	Introduction to Petroleum Engineering	100
59	III	192PE3O02	Process Intensification	100

Principal
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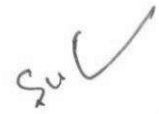
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
60	III	192PE3O03	Fundamentals of Liquefied Natural Gas	100
61	III	192PE3O04	Subsea Engineering	100
62	III	192PE3O05	Geology	100
63	III	192PE3O06	HSE in Petroleum Industry	100
64	III	192PE3P02	Dissertation-I/ Industrial Project	0
65	IV	192PE4P03	Dissertation-II	0

Total number of courses in the academic year 2020-2021	= 65
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	= 34
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(34/65)*100$	= 52.30%


Program Coordinator


Head of the Department

Head of the Department
Department of Petroleum Technology
Aditya Engineering College (A)
SURAMPALAM-5 432


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SURAMPALAM



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

Program Name : **MASTER OF BUSINESS ADMINISTRATION**

Syllabus Revision for the Academic Year 2020-21

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	194MB1T01	Management and Organizational Behavior	0
2	I	194MB1T02	Managerial Economics	0
3	I	194MB1T03	Accounting for Managers	0
4	I	194MB1T04	Quantitative Analysis for Business Decisions	0
5	I	194MB1T05	Legal and Business Environment	0
6	I	194MB1T06	Business Communication and Soft Skills	0
7	I	194MB1L01	Business Communication and Soft Skills Lab.	0
8	I	194MB1L02	Information Technology – Lab – I (Spreadsheet and Tally)	0
9	II	194MB2T07	Financial Management	0
10	II	194MB2T08	Human Resource Management	
11	II	194MB2T09	Marketing Management	0
12	II	194MB2T10	Operations Management	0
13	II	194MB2T11	Business Research Methods	0
14	II	194MB2O04	Project Management.	0
15	II	194MB2L03	IT-Lab – 2 (R Programming)	0
16	I	194MB1O01	Cross Cultural Management.	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
17	I	194MB1O02	Rural Innovation Projects.	0
18	II	194MB2O05	Technology Management.	0
19	II	194MB2O06	Lean Management.	0
20	II	194MB2O07	Data base Management System.	0
21	I	194MBMOOC1	MOOCs: SWAYAM/NPTEL.	0
22	III	194MB3T12	Strategic Management	0
23	III	194MB3T13	Operations Research	100
24	III	194HR3E01	Leadership and Change Management	100
25	III	194HR3E02	Performance Evaluation and Compensation Management	40
26	III	194HR3E03	Human Capital Management	100
27	III	194HR3E04	Manpower Planning, Recruitment, and Selection	100
28	III	194HR3E02	Investment Analysis and Portfolio Management	50
29	III	194FI3E02	Managing Banks and Financial Institutions	20
30	III	194FI3E03	Financial Markets and Services	20
31	III	194FI3E04	Taxation	50
32	III	194MA3E01	Consumer Behavior	40
33	III	194MA3E02	Retail Management	50
34	III	194MA3E03	Strategic Marketing Management	0
35	III	194MA3E04	Digital and Social Media Marketing	100
36	III	194MB3P01	Industrial Project based on Summer Internship	0
37	IV	194MB4T14	Supply Chain Management and Analytics	20

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
38	IV	194MB4T15	Innovation and Entrepreneurship	100
39	IV	194HR4E05	Labour Welfare and employment laws	100
40	IV	194HR4E06	International HRM	40
41	IV	194HR4E07	Employee Relations and Engagement	100
42	IV	194HR4E08	Strategic HRM	0
43	IV	194FI4E05	Financial Derivatives	100
44	IV	194FI4E06	International HRM	0
45	IV	194FI4E07	Risk Management	20
46	IV	194FI4E08	Behavioral Finance	100
47	IV	194MA4E05	Services Marketing	0
48	IV	194MA4E06	Promotional and Distribution Management	20
49	IV	194MA4E07	Green Marketing	100
50	IV	194MA4E08	Global Marketing Management	100
51	IV	194MB4C01	Comprehensive Viva - Voce	0
52	III	194SY3E01	Data Mining for Business Decisions	100
53	III	194SY3E02	Managing Software Projects	100
54	III	194SY3E03	Web Designing	0
55	III	194SY3E04	Business Analytics	0
56	IV	194SY4E05	Big Data Analytics	0
57	IV	194SY4E06	Enterprise Resource Planning	0
58	IV	194SY4E07	Cyber Laws & Security	0

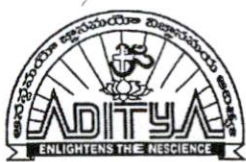
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
59	IV	194SY4E08	Artificial Intelligence and Machine Learning	100

Total number of courses in the academic year 2020-2021	= 59
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	= 27
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(27/59)*100$	= 45.7%

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N. Uirah
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Program Name : **INTEGRATED MASTER OF BUSINESS ADMINISTRATION**

Syllabus Revision for the Academic Year 2020-21

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	IX	16IM901	Intellectual Property Rights	100
2	IX	16IM902	Corporate Governance	100
3	IX	16IM903	Global HRM	100
4	IX	16IM904	Labor Welfare & Legislation	100
5	IX	16IM905	Management of Industrial Relations	100
6	IX	16IM903	Global Financial Management	100
7	IX	16IM904	Risk Management	100
8	IX	16IM905	Tax Management	100
9	IX	16IM903	Promotion and Distribution Management	100
10	IX	16IM904	Global Marketing Management	100
11	IX	16IM905	Retail Marketing	100
12	IX	16IM903	Cyber Laws & Security	100
13	IX	16IM904	Information Systems & Audit	100
14	IX	16IM905	SAP	100
15	X	16IM1001	Major Project Report	0
16	VII	175IM7T30	Knowledge Management	0
17	VII	175IM7T31	Strategic Cost Management	0
18	VII	175HR7E01	Human Resource Planning	0
19	VII	175SY7E01	E-Business	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
20	VII	175SY7E02	Relational Database Management Systems	0
21	VII	175SY7E03	Web Designing	0
22	VII	175HR7E02	Leadership Management	0
23	VII	175HR7E03	Compensation and Reward Management	0
24	VII	175FI7E01	Security Analysis	0
25	VII	175IMAP02	Major Project	0
26	VII	175FI7E02	Banking and Insurance Management	0
27	VII	175FI7E03	Advanced Management Accounting	0
28	VII	175MA7E03	Supply Chain Management	0
29	VII	175MA7E01	Consumer Behavior	0
30	VII	175MA7E02	Rural Marketing	0
31	VIII	175HR8E05	Strategic Human Resource Management	0
32	VIII	175HR8E06	Organizational Development & Change	0
33	VIII	175IM8T32	Total Quality Management	0
34	VIII	175IM8T33	Project Management	0
35	VIII	175FI8E04	Strategic Financial Management	0
36	VIII	175FI8E05	Portfolio Management	0
37	VIII	175FI8E06	Financial Markets and Services	0
38	VIII	175MA8E04	Customer Relationship Management	0
39	VIII	175MA8E05	Strategic Marketing Management	0
40	VIII	175MA8E06	Services Marketing	0
41	VIII	175SY8E04	System Analysis & Design	0
42	VIII	175SY8E05	Business Intelligence	0
43	VIII	175SY8E06	Enterprise Resource Planning	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
44	V	175IM5T21	Financial Management	0
45	V	175IM5T22	Marketing Management	0
46	V	175IM5T23	Human Resource Management	0
47	V	175IM5T24	Production & Operations Management	0
48	V	175IM5T25	Research Methodology	0
49	VI	175IM6T26	Operations Research	0
50	VI	175IM6T27	International Business	0
51	VI	175IM6T28	Strategic Management	0
52	VI	175IM6T29	Decision Support Systems	0
53	VI	175IM6P01	Minor Project	0
54	I	195IM1T01	English Language – I	0
55	I	195IM1T02	Business Mathematics & Statistics	0
56	I	195IM1T03	Fundamentals of Business Organization	0
57	I	195IM1T04	Financial Accounting – I	0
58	I	195IM1T05	Fundamentals of Computers	0
59	II	195IM2T06	English Language – II	0
60	II	195IM2T07	Business Environment	0
61	II	195IM2T08	Managerial Economics	0
62	II	195IM2T09	Financial Accounting – II	0
63	II	195IM2T10	Organizational Communications	0
64	III	195IM3T11	Principles of Management	0
65	III	195IM3T12	Cost Accounting	0
66	III	195IM3T13	Banking Theory & Practice	0
67	III	195IM3T14	Business Law	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
68	III	195IM3T15	Entrepreneurship Development	0
69	IV	195IM4T16	Organizational Behavior	0
70	IV	195IM4T17	Management Accounting	0
71	IV	195IM4T18	Company Law	0
72	IV	195IM4T19	Elements of Direct & Indirect Taxes	0
73	IV	195IM4T20	Management Information Systems	0

Total number of courses in the academic year 2020-21	= 73
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-21	= 14
Percentage of syllabus revision carried out in the academic year 2020-21 = $(14/73) \times 100$	= 19.17%

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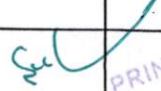
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Program Name : Master of Computer Applications

Syllabus Revision for the Academic Year 2020-2021				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	1	203MC1T01	Business Communication	100
2	1	203MC1T02	Mathematical and Statistical Foundations	100
3	1	203MC1T03	Computer Organization & Operating Systems	100
4	1	203MC1T04	Data Structures	0
5	1	203MC1T05	Object Oriented Programming with JAVA	100
6	1	203MC1L01	Operating Systems and Linux Lab	100
7	1	203MC1L02	Data Structures Lab	100
8	1	203MC1L03	JAVA Programming Lab	100
9	1	203MC1P01	Socially Relevant Project using Design Thinking	100
10	2	203MC2T06	Database Management Systems	100
11	2	203MC2T07	Computer Networks	100
12	2	203MC2T08	Software Engineering and Design Patterns	100
13	2	203MC2T09	Data Warehousing and Mining	100
14	2	203MC2E02	Design and Analysis of Algorithms	100
15	2	203MC2L04	DBMS Lab	100

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16	2	203MC2L05	Computer Networks Lab	100
17	2	203MC2L06	Software Engineering and Design Patterns Lab	100
18	2	203MC2T10	Employability Skills	100
19	3	193MC3T11	Database Management Systems	0
20	3	193MC3T12	Computer Networks	0
21	3	193MC3T13	Design & Analysis of Algorithms	0
22	3	193MC3T14	Advanced Java Programming	100
23	3	193MC3T15	Object Oriented Analysis and Design	100
24	3	193MC3L07	Database Management Systems Lab	0
25	3	193MC3L08	Advanced Java Programming Lab	100
26	3	193MC3L09	OOAD through UML Lab	100
27	4	193MC4T16	Data Warehousing & Data Mining	0
28	4	193MC4T17	Full Stack Technologies	100
29	4	193MC4T18	Python Programming	100
30	4	193MC4E01	Embedded Computing	80
31	4	193MC4E02	Artificial Intelligence	0
32	4	193MC4E03	MOOCs-1	100
33	4	193MC4E04	Cloud Computing	0
34	4	193MC4E05	Multimedia Application Development	100
35	4	193MC4E06	MOOCs-2	100
36	4	193MC4L10	Full Stack Technologies Lab	100


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37	4	193MC4L11	Data Mining with R Lab	100
38	4	193MC4L12	Python Programming Lab	100
39	5	173MC5T19	Big Data Analytics	0
40	5	173MC5T20	Network Programming	0
41	5	173MC5T21	Python Programming	0
42	5	173MC5E07	Cyber Security	0
43	5	173MC5E08	Computer Forensics	0
44	5	173MC5E09	E – Commerce	0
45	5	173MC5E10	Internet of Things	0
46	5	173MC5E11	Multimedia Application Development	0
47	5	173MC5E12	Software Testing Methodologies	0
48	5	173MC5E13	Big Data Analytics Lab	0
49	5	173MC5E14	Network Programming Lab	0
50	5	173MC5E15	Python Programming Lab	0
51	6	173MC6R01	Seminar	0
52	6	173MC6P01	Major Project	0

Total number of courses in the academic year 2020-2021	= 52
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2020-2021	=30
Percentage of syllabus revision carried out in the academic year 2020-2021 = $(30/52)*100$	= 57.6

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