

ADITYA ENGINEERING COLLEGE

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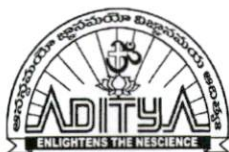
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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

1.1.2. Syllabus revision Carried out (Program Wise) in the academic year 2021-22

Supporting Documents

S.NO	Description	Page Number
1	Percentage Revision carried during the last Five Years	1
2	List of programs	2
3	Department wise summary sheet	3
4	B. Tech (Civil Engineering)	4
5	B. Tech (Electrical and Electronics Engineering)	11
6	B. Tech (Mechanical Engineering)	17
7	B. Tech (Electronics and Communication Engineering)	22
8	B. Tech (Computer Science and Engineering)	27
9	B. Tech (Information Technology)	34
10	B. Tech (Mining Engineering)	42
11	B. Tech (Petroleum Technology)	48
12	B. Tech (Agriculture Engineering)	51
13	M. Tech (Structural Engineering)	57
14	M. Tech (Power Electronics and Drives)	60
15	M. Tech (VLSI Design)	64
16	M. Tech (Thermal Engineering)	67
17	M. Tech (Computer Science and Engineering)	71
18	M. Tech (Petroleum Engineering)	74
19	Master of Business Administration	77
20	Integrated Master of Business Administration	81
21	Master of Computer Applications	83



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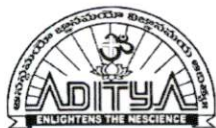
PERCENTAGE OF PROGRAMMES WHERE REVISION WAS CARRIED OUT DURING THE LAST FIVE YEARS

Academic Year	Total Number of Programs	Number of Programs Revised	Percentage (%)
2021-22	19	18	94.74
2020-21	18	18	100
2019-20	20	20	100
2018-19	20	20	100
2017-18	20	20	100


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Date: 31-08-2021

This is to certify that the following list of programs are offered during the academic year 2021-2022

S. No	Program Code	Program name
1	01	B. Tech. (Civil Engineering)
2	02	B. Tech. (Electrical and Electronics Engineering)
3	03	B. Tech. (Mechanical Engineering)
4	04	B. Tech. (Electronics and Communication Engineering)
5	05	B. Tech. (Computer Science and Engineering)
6	12	B. Tech. (Information Technology)
7	27	B. Tech. (Petroleum Technology)
8	35	B. Tech. (Agricultural Engineering)
9	26	B. Tech. (Mining Engineering)
10	65	B. Tech. (Artificial Intelligence and Machine Learning)
11	21	M. Tech. (Thermal Engineering)
12	52	M. Tech. (Power Electronics and Drives)
13	58	M. Tech. (Computer Science & Engineering)
14	72	M. Tech. (VLSI Design)
15	87	M. Tech. (Structural Engineering)
16	08	M. Tech. (Petroleum Engineering)
17	1E	Master of Business Administration
18	1M	Integrated Master of Business Administration
19	1F	Master of Computer Applications

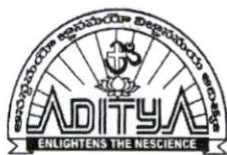

Convener

Academic Committee




Principal

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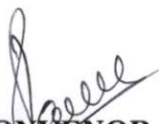
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Syllabus Revision carried out during the academic year 2021- 22

S.No	Program Code	Programme Name	% Revision carried
1	01	B. Tech. Civil Engineering	41.72
2	02	B. Tech. Electrical and Electronics Engineering	38.28
3	03	B. Tech. Mechanical Engineering	38.58
4	04	B. Tech. Electronics and Communication Engineering	36.2
5	05	B. Tech. Computer Science and Engineering	44.37
6	12	B. Tech. Information Technology	18.06
7	26	B. Tech. Mining Engineering	41.79
8	27	B. Tech. Petroleum Technology	38.93
9	35	B. Tech Agricultural Engineering	45.7
10	87	M. Tech. (Structural Engineering)	3.03
11	52	M. Tech. (Power Electronics and Drives)	6.12
12	21	M. Tech. (Thermal Engineering)	2
13	72	M. Tech. (VLSI Design)	4.61
14	58	M. Tech. (Computer Science & Engineering)	4.61
15	8	M. Tech. (Petroleum Engineering)	3.07
16	1E	MBA	3.3
17	1M	IMBA	4.1
18	1F	MCA	40


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

Syllabus Revision for the Academic Year 2021-2022

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	Engineering Physics	0
4	I	201ES1T02	Building Materials & Construction	0
5	I	201ES1I01	Engineering Graphics	0
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L02	Engineering Physics Lab	0
8	I	201ES1L02	Engineering Workshop	0
9	I	201MC1T01	Environmental Science	0
10	II	201BS2T05	Partial Differential Equations and Vector Calculus	0
11	II	201BS2T06	Chemistry of Materials	0
12	II	201ES2T07	Engineering Mechanics	0
13	II	201ES2T09	Programming for Problem Solving Using C	0
14	II	201ES2T13	Surveying	0
15	II	201ES2L06	Surveying field Work	0
16	II	201ES2L09	Engineering Chemistry Lab	0

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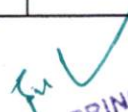
17	II	201ES2L11	Programming for Problem Solving Using C Lab	0
18	II	201MC2L01	Professional communications skills Lab	0
19	II	201MC2T02	Constitution of India	0
20	III	201BS3T12	Integral transforms and applications of Partial Differential Equations	0
21	III	201CE3T01	Strength of Materials-I	0
22	III	201CE3T02	Fluid Mechanics	0
23	III	201CE3T03	Structural Analysis	0
24	III	201CE3T04	Concrete Technology	0
25	III	201CE3L01	Building Planning & Drawing Lab	0
26	III	201CE3L02	Concrete Technology Lab	0
27	III	201CE3L03	Strength of Materials Lab	0
28	III	201SC3L01	CAD Lab	100
29	III	201MC3T03	Biology for Engineers	0
30	IV	201BS4T15	Numerical Methods and Statistical Techniques	0
31	IV	201CE4T05	Engineering Geology	0
32	IV	201CE4T06	Strength of Materials-II	0
33	IV	201CE4T07	Hydraulics & Hydraulic Machinery	0
34	IV	201HS4T02	Management Science	0
35	IV	201CE4T08	Soil Mechanics	0
36	IV	201CE4L04	Engineering Geology Lab	0
37	IV	201CE4L05	FM & HM Lab	0
38	IV	201SC4L13	3D Modeling using Revit	100


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39	IV	201MC4T04	Essence of Indian Traditional Knowledge	0
40	V	191CE5T09	Irrigation & water resource Engineering	33
41	V	191CE5T10	Engineering geology	0
42	V	191CE5T11	Design & drawing of Reinforced concrete structures	0
43	V	191CE5T12	Geotechnical engineering	0
44	V	191CE5E02	PE I Construction Technology & Management	50
45	V	191CE5E04	Subsurface Investigation and Instrumentation	100
46	V	191CE5E01	Airport Planning and Design	100
47	V	191CE5E05	Urban Hydrology	17
48	V	191CE5E03	Environmental Pollution and Control	100
49	V	191EE5O01	OE I Electrical Safety	100
50	V	191EE5O02	Electrical Materials	100
51	V	191EE5O03	Basic Electrical Measurements	100
52	V	191ME5O02	Fundamentals of Mechanical Engineering	100
53	V	191ME5O03	Supply Chain Management	100
54	V	191ME5O04	3D Printing	100
55	V	191ME5O05	Entrepreneurship Development and Incubation	100
56	V	191EC5O01	Signals & Systems	100
57	V	191EC5O02	Digital Electronics and Logic Design	100
58	V	191EC5O03	Semi conductor devices	100
59	V	191CS5O01	Data Structures	100
60	V	191CS5O02	Object Oriented Programming through C++	100


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61	V	191CS5O03	Java Programming	100
62	V	191CS5O04	R Programming	100
63	V	191IT5O01	Data Base Management Systems	100
64	V	191IT5O02	Computer Graphics	100
65	V	191MI5O01	Overview of Mining	100
66	V	191PT5O01	Process Intensification in Petroleum Industry	100
67	V	191PT5O02	Fundamentals of Petroleum Industry	100
68	V	191AG5O01	Basic Crop Production Practices	100
69	V	191CE5L05	Engineering geology lab	0
70	V	191CE5L06	Geotechnical engineering lab	0
71	V	191HS5T06	Employability Skills - III	0
72	V	191PR5P02	Socially Relevant Project	100
73	V	191MC5A07	Survey camp	0
74	VI	191CE6T13	Design & drawing of steel Structures	0
75	VI	191CE6T14	Highway engineering	0
76	VI	191CE6T15	Foundation engineering	0
77	VI	191CE6E10	PE-II Repair and Rehabilitation of Structures	0
78	VI	191CE6E07	Ground Improvement Techniques	0
79	VI	191CE6E09	Railway Engineering	100
80	VI	191CE6E08	Hydropower Development	100
81	VI	191CE6E06	Air Pollution Engineering	0
82	VI	191CE6E13	PE -III Finite Element Methods	0


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83	VI	191CE6E12	Expansive Soils	100
84	VI	191CE6E11	Docks and Harbour Engineering	100
85	VI	191CE6E15	Water Resources System Analysis	100
86	VI	191CE6E14	Industrial Waste & Waste-Water Engineering	100
87	VI	191EE6O04	OE II Energy Audit and Conservation Management	100
88	VI	191EE6O05	Non Conventional Energy resources	100
89	VI	191EE6O06	Instrumentation	100
90	VI	191ME6O06	Solar Energy Utilisation	100
91	VI	191ME6O07	Basic Thermodynamics and Heat Transfer	100
92	VI	191ME6O09	3D Printing	100
93	VI	191ME6O06	Robotics	100
94	VI	191ME6O12	Entrepreneurship Development and Incubation	100
95	VI	191ME6O07	Biomedical Instrumentation	100
96	VI	191ME6O08	ECAD Tools	100
97	VI	191CS6O05	Python Programming	100
98	VI	191CS6O06	Operating Systems	100
99	VI	191CS6O07	Web Technologies	100
100	VI	191CS6O08	Cyber Security	100
101	VI	191CS6O09	AR / VR	100
102	VI	191IT6O03	Computer Organization	100
103	VI	191IT6O04	AI Tools & Techniques	100
104	VI	191AG6O03	Bio-energy systems design and applications	100


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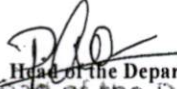
105	VI	191IT6O05	Robotic Process Automation	100
106	VI	191MI6O02	Industrial Safety Practices	100
107	VI	191MI6O03	Electrical Equipment's in Mines	100
108	VI	191PT6O03	Unconventional Hydrocarbon Resources	100
109	VI	191PT6O04	Asset Management	100
110	VI	191AG6O02	Weather forecast in Agriculture	100
111	VI	191CE6L07	Transportation engineering lab	0
112	VI	191CE6L08	Computer aided design lab	0
113	VI	191CE6L09	Irrigation design & drawing	0
114	VI	191HS6T07	Employability skills - IV	0
115	VII	171CE7T18	Geotechnical Engineering - II	0
116	VII	171CE7T19	Environmental Engineering	0
117	VII	171CE7T20	Remote Sensing and GIS Applications	0
118	VII	171CE7T21	Estimation, Specifications and Contracts	0
119	VII	171CE7E10	PE IV Advanced Structural Engineering	0
120	VII	171CE7E11	Watershed Management	0
121	VII	171CE7E12	Design of Tall Buildings	0
122	VII	171CE7E13	PE V Bridge Engineering	0
123	VII	171CE7E14	Environmental Impact Assessment and Management	0
124	VII	171CE7E15	Water Resources Systems Planning	0
125	VII	171CE7L08	Environmental Engineering Lab	0
126	VII	171CE7L09	GIS And Computer Aided Design (CAD) Lab	0


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127	VII	171CE7P01	Industry Oriented (Internship) Minor Project	0
128	VIII	171CE8E16	PE VI Urban Transportation Planning Engineering	0
129	VIII	171CE8E17	Soil Dynamics and Foundations	0
130	VIII	171CE8E18	Solid And Hazardous Waste Management	0
131	VIII	171CE8E19	Air Pollution and Control	0
132	VIII	171CE8O01	OE Electronic Instrumentation	0
133	VIII	171CE8O02	Database Management Systems	0
134	VIII	171CE8O03	Alternative Energy Sources	0
135	VIII	171CE8O04	Waste Water Management	0
136	VIII	171CE8O05	Fundamentals of Liquefied Natural Gas	0
137	VIII	171CE8O06	Green Fuel Technologies	0
138	VIII	171CE8O07	Green Engineering Systems	0
139	VIII	171CE8P02	Major Project	0

Total number of courses in the academic year 2021-2022	= 139
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022	= 58
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(58/139) \times 100$	= 41.72 %


 Program Coordinator


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


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Program Name : B.Tech. in Electrical and Electronics Engineering

Syllabus Revision for the Academic Year 2021-2022

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	0
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	0
13	II	201ES2T09	Basic Electrical Circuits	0
14	II	201ES2T13	Basic Civil and Mechanical Engineering	0
15	II	201ES2L06	Data Structures through C Lab	0
16	II	201ES2L09	Electrical Engineering Workshop	0
17	II	201ES2L11	Basic Civil and Mechanical Engineering Lab	0
18	II	201MC2L01	Professional Communications Skills Lab	0

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19	II	201MC2T02	Constitution of India	0
20	III	201BS3T11	Numerical methods & Complex variables	0
21	III	201EE3T01	Analog Electronic Circuits	30
22	III	201EE3T02	Electrical Circuit Analysis	0
23	III	201EE3T03	DC Machines and transformers	20
24	III	201EE3T04	Electromagnetic Fields	0
25	III	201EE3L01	DC machines and transformers Lab	20
26	III	201EE3L02	Electrical Circuits Lab	10
27	III	201EE3L03	Analog Electronic Circuits Lab	0
28	III	201SO3L02	Design of Electrical Circuits using Engineering Software	100
29	III	201MC3T03	Biology For Engineers	0
30	IV	201EE4T05	Electrical Power Generation and Distribution Systems	0
31	IV	201EE4T06	Digital Electronics	5
32	IV	201EE4T07	Induction and Synchronous Machines	5
33	IV	201HS4T03	Managerial Economics and Financial Analysis	0
34	IV	201ES4T18	Python Programming	0
35	IV	201ES4L15	Python Programming Lab	0
36	IV	201EE4L04	Induction and Synchronous Machines Lab	0
37	IV	201EE4L05	Digital Electronics lab	0
38	IV	201SC4L14	IoT Applications of Electrical Engineering	100
39	IV	201MC4T04	Essence of Indian Traditional Knowledge	0
40	V	191EE5T10	Power Systems –II	0

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41	V	191EE5T11	Power Electronics	5
42	V	191EE5T12	Electrical Measurements and Instrumentation	100
43	V	191HS5T05	Managerial Economics and Financial Analysis	0
44	V	191EE5E03	Renewable energy systems	15
45	V	191EE5E02	Electrical Machine Modeling and Analysis	0
46	V	191EE5E01	Advanced Control Systems	0
47	V	191EE5E03	Renewable energy systems	15
48	V	191ME5O02	Fundamentals of Mechanical Engineering	0
49	V	191ME5O03	Supply Chain Management	100
50	V	191ME5O04	3D Printing	100
51	V	191ME5O05	Entrepreneurship Development and Incubation	100
52	V	191CS5O02	Object Oriented Programming through C++	100
53	V	191CS5O03	Java Programming	100
54	V	191CS5O04	R Programming	100
55	V	191IT5O01	Data Base Management Systems	100
56	V	191IT5O02	Computer Graphics	100
57	V	191MI5O01	Overview of Mining	100
58	V	191PT5O01	Process Intensification in Petroleum Industry	100
59	V	191PT5O02	Fundamentals of Petroleum Industry	100
60	V	191AG5O01	Basic Crop Production Practices	100
61	V	191EE5L04	Electrical Machines-II Lab	5
62	V	191EE5L05	Control Systems Lab	0
63	V	191HS5T06	Employability Skills -III	0

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64	V	191PR5P02	Socially Relevant Project	100
65	V	191MC5A08	Intellectual Property Rights and Patents	0
66	VI	191EE6T13	Microprocessor & Interfacing	35
67	VI	191EE6T14	Power System Analysis	0
68	VI	191EE6T15	Power Converter Drives	5
69	VI	191EE6E07	Electrical Distribution Systems	5
70	VI	191EE6E05	Advanced Power Electronics Converters	100
71	VI	191EE6E06	Digital Control Systems	0
72	VI	191EE6E08	Energy Audit, Conservation & Management	0
73	VI	191EE6E11	High Voltage Transmission	100
74	VI	191EE6E12	Switched mode power Converters	100
75	VI	191EE6E09	Control Systems Design	100
76	VI	191EE6E10	Electrical Safety	100
77	VI	191CE6O02	Disaster Management	100
78	VI	191ME6O06	Solar Energy Utilisation	100
79	VI	191ME6O08	Introduction to Hydraulics and Pneumatics	100
80	VI	191ME6O09	3D Printing	100
81	VI	191ME6O10	Robotics	100
82	VI	191ME6O11	Management Science	100
83	VI	191ME6O12	Entrepreneurship Development and Incubation	100
84	VI	191EC6O04	Biomedical Instrumentation	100
85	VI	191EC6O05	ECAD Tools	100
86	VI	191CS6O06	Operating Systems	100
87	VI	191CS6O07	Web Technologies	100
88	VI	191CS6O08	Cyber Security	100

89	VI	191CS6O09	AR / VR	100
90	VI	191IT6O03	Computer Organization	100
91	VI	191IT6O04	AI Tools & Techniques	100
92	VI	191IT6O05	Robotic Process Automation	100
93	VI	191MI6O02	Industrial Safety Practices	100
94	VI	191MI6O03	Electrical Equipment's in Mines	100
95	VI	191PT6O03	Unconventional Hydrocarbon Resources	100
96	VI	191PT6O04	Asset Management	100
97	VI	191AG6O02	Weather forecast in Agriculture	100
98	VI	191AG6O03	Bio-energy systems design and applications	100
99	VI	191EE6L06	Electrical Measurements & Instrumentation Lab	100
100	VI	191EE6L07	Power Electronics Lab	0
101	VI	191HS6T07	Employability Skills -IV	0
102	VI	191MC6A09	Professional Ethics and Human Values	100
103	VII	171EE7T18	Utilization of Electrical Energy	0
104	VII	171EE7T19	Linear and Digital IC Applications	0
105	VII	171EE7T20	Power System Operation and Control	0
106	VII	171EE7T21	Switch Gear and Protection	0
107	VII	171EE7E11	Optimization Techniques	0
108	VII	171EE7E12	Digital Signal Processing	0
109	VII	171EE7E13	Special Electrical Machines	0


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110	VII	171EE7E14	High Voltage Engineering	0
111	VII	171EE7E15	Electric Power Quality	0
112	VII	171EE7E16	EHVAC Transmission	0
113	VII	171EE7L09	Power Systems Simulation Lab	0
114	VII	171EE7L10	Micro Processor and Micro Controllers Lab	0
115	VII	171EE7P01	Industry Oriented (Internship) Minor Project	0
116	VIII	171EE8E17	HVDC Transmission	0
117	VIII	171EE8E18	Flexible AC Transmission Systems	0
118	VIII	171EE8E19	Power System Reforms	0
119	VIII	171EE8E20	Digital Control Systems	0
120	VIII	171EE8O01	Energy Audit, Conservation and Management	0
121	VIII	171EE8O02	VLSI Design	0
122	VIII	171EE8O03	Unix and Shell Programming	0
123	VIII	171EE8O04	Neural Networks And Fuzzy Logic	0
124	VIII	171EE8O05	Robotics	0
125	VIII	171EE8O06	Vehicular Electric Power Systems	0
126	VIII	171EE8O07	Internet of Things	0
127	VIII	171EE8O08	Cyber Security	0
128	VIII	171EE8P02	Major Project	0
Total number of courses in the academic year 2021-2022				= 128
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022				= 49
Percentage of syllabus revision carried out in the academic year 2021-22 = $(49/128)*100$				= 38.28%

Program Coordinator

Principal
Aditya Engineering College
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Head of the Department
Head of The Department
Dept: Of Electrical & Electronics Engineering



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

Syllabus Revision for the Academic Year 2021-2022

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	0
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	0
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	201BS3T12	Integral Transforms and Applications of partial differential equations	0
21	III	201ME3T01	Production Technology	0
22	III	201ME3T02	Fluid Mechanics & Hydraulic Machines	0
23	III	201ES3T15	Thermodynamics	0
24	III	201ES3T16	Metallurgy & Material Science	5
25	III	201ME3T01	Computer Aided Machine Drawing Lab	10

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
26	III	201ME3L01	Production Technology Lab	0
27	III	201ME3L02	Fluid Mechanics & Hydraulic Machines Lab	0
28	III	201SC3L03	Skill oriented Course-I(Java Programming Lab)	100
29	III	201MC3T03	Biology For Engineers	0
30	IV	201BS4T15	Numerical methods& Statistical Techniques	0
31	IV	201HS4T04	Industrial Engineering and Management	0
32	IV	201ME4T03	Mechanics of Solids	0
33	IV	201ME4T04	Theory of Machines-I	20
34	IV	201ME4T05	Thermal Engineering-I	15
35	IV	201ME4L04	Theory of Machines Lab	6
36	IV	201ME4L05	Mechanics of Solids & Metallurgy Lab	0
37	IV	201ME4L06	Thermal Engineering Lab	6
38	IV	201SC4L15	Python Programming Lab	100
39	IV	201MC4T04	Essence of Indian Traditional Knowledge	0
40	V	191ME5T09	Dynamics of Machinery	6
41	V	191ME5T10	Design of Machine members-I	0
42	V	191ME5T11	Thermal Engineering -II	0
43	V	191ME5E01	Automobile Engineering	0
44	V	191ME5E02	Composite Materials	100
45	V	191ME5E03	Fluid Engineering	40
46	V	191ME5E04	Mechanical Vibrations	25
47	V	191ME5E05	Metrology & Instrumentation	0
48	V	191ME5E06	Organizational Behavior	100
49	V	191CE5O01	Basic Concrete Technology	100
50	V	191EE5O01	Electrical Safety	100
51	V	191EE5O02	Electrical Materials	100
52	V	191EE5O03	Basic electrical Measurements	100
53	V	191EC5O01	Signals& Systems	100
54	V	191EC5O02	Digital Electronics& Logic Design	100
55	V	191EC5O03	Semi-conductor devices	100
56	V	191CS5O01	Data structures	100
57	V	191CS5O02	Object oriented programming through C++	100

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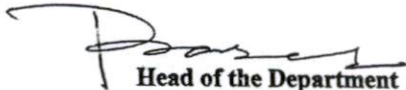
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
58	V	191CS5O03	Java Programming	100
59	V	191CS5O04	R programming	100
60	V	191IT5O01	Data Base Management Systems	100
61	V	191IT5O02	Computer Graphics	100
62	V	191MI5O01	Overview of Mining	100
63	V	191PT5O01	Process Intensification in Petroleum industry	100
64	V	191PT5O02	Fundamentals of Petroleum Industry	100
65	V	191AG5O01	Basic Crop Production Practices	100
66	V	191ME5L05	Metrology/ICS Lab	0
67	V	191ME5L06	Theory of Machines Lab	0
68	V	191ME5L07	Thermal Engineering Lab	0
69	V	191HS5T06	Employability Skills -III	0
70	V	191PR5P02	Socially Relevant Project	100
71	V	191MC5A08	Intellectual Property Rights and Patents	0
72	VI	191ME6T12	Heat Transfer	0
73	VI	191ME6T13	Design of Machine members-II	0
74	VI	191ME6T14	Metal Cutting and Machine Tools	10
75	VI	191ME6E07	Industrial Engineering and Management	0
76	VI	191ME6E08	Mechatronics	20
77	VI	191ME6E09	Non-Destructive Evaluation	0
78	VI	191ME6E10	Refrigeration and Air Conditioning	0
79	VI	191ME6E11	Robotics	0
80	VI	191ME6E12	Additive Manufacturing	40
81	VI	191ME6E13	Alternative Fuels	100
82	VI	191ME6E14	Design for Manufacturing	0
83	VI	191ME6E15	Green Engineering Systems	0
84	VI	191ME6E16	Lean Manufacturing	100
85	VI	191CE6O02	Disaster Management	100
86	VI	191EE6O04	Energy Audit and Conservation Management	100
87	VI	191EE6O05	Non-Conventional Energy Resources	100
88	VI	191EE6O06	Instrumentation	100
89	VI	191EC6O04	Biomedical Instrumentation	100

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
90	VI	191EC6O05	ECAD Tools	100
91	VI	191CS6O05	Python Programming	100
92	VI	191CS6O06	Operating Systems	100
93	VI	191CS6O07	Web Technologies	100
94	VI	191CS6O08	Cyber Security	100
95	VI	191CS6O09	AR/VR	100
96	VI	191IT6O03	Computer Organization	100
97	VI	191IT6O04	AI Tools & Techniques	100
98	VI	191IT6O05	Robotic Process Automation	100
99	VI	191MI6O02	Industrial Safety Practices	100
100	VI	191MI6O03	Electrical Equipment's in Mines	100
101	VI	191PT6O03	Unconventional Hydrocarbon Resources	100
102	VI	191PT6O04	Asset Management	100
103	VI	191AG6O02	Weather Forecast in Agriculture	100
104	VI	191AG6O03	Bio-energy Systems Design and Applications	100
105	VI	191ME6L08	Machine Cutting and Machine Tools Lab	0
106	VI	191ME6L09	Heat Transfer Lab	0
107	VI	191HS6T07	Employability skills-IV	0
108	VI	191MC6A09	Professional Ethics and Human Values	0
109	VII	171ME7T16	CAD/CAM	0
110	VII	171ME7T17	Mechatronics	0
111	VII	171ME7T18	Finite Element Methods	0
112	VII	171ME7T19	Power Plant Engineering	0
113	VII	171ME7E10	Computational Fluid Dynamics	0
114	VII	171ME7E11	Green Engineering Systems	0
115	VII	171ME7E12	Nano Materials and Technology	0
116	VII	171ME7E13	Gas Dynamics	0
117	VII	171ME7E14	Condition Monitoring	0
118	VII	171ME7E15	Flexible Manufacturing Systems	0
119	VII	171ME7L07	CAD/CFD Lab	0
120	VII	171ME7L08	CAM/Mechatronics Lab	0
121	VII	171ME7P01	Industry Oriented (Internship) Mini Project	0

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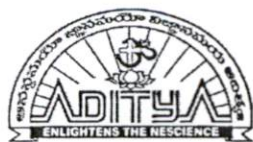
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
122	VIII	171ME8E16	Production Planning and Control	0
123	VIII	171ME8E17	Advanced Materials	0
124	VIII	171ME8E18	Thermal Equipment Design	0
125	VIII	171EE8O04	Neural Networks and Fuzzy Logic	0
126	VIII	171CE8O02	Data Base Management Systems	0
127	VIII	171ME8P02	Major Project	0
Total number of courses in the academic year 2021-2022				127
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022				49
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(49/129)*100$				38.58


Program Coordinator


Head of the Department

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


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

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

Syllabus Revision for the Academic Year 2021-2022

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	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	201BS2T06	Transform Techniques	0
11	II	201BS2T09	Applied Physics	0
12	II	201ES2I03	Object Oriented Programming through JAVA	0
13	II	201ES2T10	Basic Electrical Engineering	0
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	201BS3T10	Numerical Methods & Vector Calculus	0
21	III	201EC3T01	Electronic Devices and Circuits	0
22	III	201EC3T02	Signals and Systems	0
23	III	201EC3T03	Digital Electronics and Logic Design	0
24	III	201EC3T04	Random Variables and Stochastic Processes	0
25	III	201EC3L01	Electronic Devices and Circuits Lab	0
26	III	201EC3L02	Signals and Systems Lab	100
27	III	201EC3L03	Digital Electronics and Logic Design Lab	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
28	III	201SO3L04	Skill Oriented Course-I:Python Programming	100
29	III	201MC3T03	Biology for Engineers	0
30	IV	201ES4T19	Linear Control Systems	0
31	IV	201EC4T05	Electronic Circuit Analysis	0
32	IV	201EC4T06	Integrated Circuits and Applications	0
33	IV	201EC4T07	Analog Communications	5
34	IV	201HS4T03	Managerial Economics and Financial Analysis	0
35	IV	201EC4L04	Electronic Circuit Analysis Lab	0
36	IV	201EC4L05	Integrated Circuits and Applications Lab	25
37	IV	201EC4L06	Analog Communications Lab	0
38	IV	201SC4L16	Skill Oriented Course-II: a) PCB Designing	100
39	IV	201SC4L17	Skill Oriented Course-II: b)Applications of Python Programming	100
40	IV	201MC4T04	Essence of Indian Traditional Knowledge	0
41	V	191EC5T08	Integrated Circuits and applications	0
42	V	191EC5T09	Digital Communications	5
43	V	191EC5T10	Antennas and Wave Propagation	5
44	V	191EC5T11	Computer Networks	0
45	V	191EC5E03	Electromagnetic Interference & Compatibility	100
46	V	191EC5E01	Computer System Architecture	20
47	V	191EC5E02	Digital System Design-I	100
48	V	191EC5E04	Python Programming	100
49	V	191CE5O01	Basic Concrete Technology	0
50	V	191EE5O01	Electrical Safety	100
51	V	191EE5O02	Electrical Materials	100
52	V	191EE5O03	Renewable Energy Sources	100
53	V	191ME5O02	Fundamentals of Mechanical Engineering	100
54	V	191ME5O03	Supply Chain Management	100
55	V	191ME5O04	3D Printing	100
56	V	191ME5O05	Entrepreneurship Development and Incubation	100
57	V	191CS5O02	Object Oriented Programming through C++	100
58	V	191CS5O03	Java Programming	16.6
59	V	191CS5O04	R Programming	0
60	V	191IT5O01	Data Base Management Systems	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
61	V	191IT5O02	Computer Graphics	100
62	V	191MI5O01	Overview of Mining	100
63	V	191PT5O01	Process Intensification in Petroleum Industry	100
64	V	191PT5O02	Fundamentals of Petroleum Industry	100
65	V	191AG5O01	Basic Crop Production Practices	100
66	V	191EC5L05	Integrated Circuits and applications Lab	14.28
67	V	191EC5L06	Digital Communications Lab	0
68	V	191HS5T06	Employability Skills – III	0
69	V	191PR5P02	Socially Relevant Project	100
70	VI	191EC6T12	Internet of Things	10
71	VI	191EC6T13	VLSI Design	20
72	VI	191EC6T14	Digital Signal Processing	5
73	VI	191EC6E07	Information Theory and Coding	30
74	VI	191EC6E06	Embedded Systems	0
75	VI	191EC6E05	Digital System Design-II	100
76	VI	191EC6E08	Soft Computing Techniques	100
77	VI	191EC6E11	Radar Systems	5
78	VI	191EC6E10	Embedded C	100
79	VI	191EC6E09	Design for Testability	100
80	VI	191EC6E12	Signal Transform Techniques	100
81	VI	191CE6O02	Disaster Management	0
82	VI	191EE6O04	Energy Audit and Conservation Management	100
83	VI	191EE6O05	Non Conventional Energy resources	100
84	VI	191ME6O06	Solar Energy Utilisation	100
85	VI	191ME6O07	Basic Thermodynamics and Heat Transfer	100
86	VI	191ME6O08	Introduction to Hydraulics and Pneumatics	100
87	VI	191ME6O09	3D Printing	100
88	VI	191ME6O06	Robotics	0
89	VI	191ME6O09	Management Science	0
90	VI	191ME6O12	Entrepreneurship Development and Incubation	100
91	VI	191ME6O07	Biomedical Instrumentation	100
92	VI	191CS6O05	Python Programming	100
93	VI	191CS6O06	Operating Systems	100

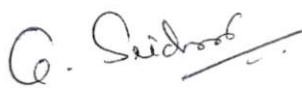
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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
94	VI	191CS6O07	Web Technologies	0
95	VI	191CS6O08	Cyber Security	100
96	VI	191CS6O09	AR / VR	100
97	VI	191IT6O03	Computer Organization	100
98	VI	191IT6O04	AI Tools & Techniques	100
99	VI	191IT6O05	Robotic Process Automation	100
100	VI	191MI6O02	Industrial Safety Practices	100
101	VI	191MI6O03	Electrical Equipment's in Mines	100
102	VI	191PT6O03	Unconventional Hydrocarbon Resources	100
103	VI	191PT6O04	Asset Management	100
104	VI	191AG6O02	Weather forecast in Agriculture	100
105	VI	191AG6O03	Bio-energy systems design and applications	100
106	VI	191EC6L08	VLSI Lab	50
107	VI	191EC6L07	Internet of Things Lab	100
108	VI	191HS6T07	Employability Skills – IV	0
109	VII	171EC7T16	Microwave Engineering	0
110	VII	171EC7T17	Digital Image Processing	0
111	VII	171EC7T18	Electronic Measurements And Instrumentation	0
112	VII	171EC7T19	Optical Communications	0
113	VII	171EC7E10	Digital Signal Processors	0
114	VII	171EC7E11	Embedded Systems	0
115	VII	171EC7E12	Cellular and Mobile Communications	0
116	VII	171EC7E13	Analog IC Design	0
117	VII	171EC7E14	Cryptography and Network Security	0
118	VII	171EC7E15	Radar Systems	0
119	VII	171EC7L10	Microwave Engineering and Optical Communications Lab	0
120	VII	171EC7L11	Digital Signal and Image Processing Lab	0
121	VII	171EC7P01	Industry Oriented (Internship) Minor Project	0
122	VIII	171EC8E16	Mixed Signal IC Design	0
123	VIII	171EC8E17	Wireless Sensors and Networks	0
124	VIII	171EC8E18	Satellite Communications	0
125	VIII	171EC8O01	Basic Concrete Technology	0
126	VIII	171CE8O04	Waste Water Management	0

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
127	VIII	171EE8O05	Robotics	0
128	VIII	171EC8O02	Disaster Management	0
129	VIII	171EE8O07	Internet of Things	0
130	VIII	171EC8O03	Neural Networks	0
131	VIII	171CE8O03	Alternative Energy Sources	0
132	VIII	171CE8O02	Database Management Systems	0
133	VIII	171EC8O04	Web Technologies	0
134	VIII	171CE8O06	Green Fuel Technologies	0
135	VIII	171EC8P02	Major Project	0

Total number of courses in the academic year 2021-2022	= 135
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022	= 49
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(49/135)*100$	= 36.29%


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 : B.Tech. in Computer Science and Engineering

Syllabus Revision for the Academic Year 2021-2022				
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	0
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	201CS3T01	Advanced Data Structures	50
21	III	201CS3T02	Object Oriented Programming through C++	100
22	III	201CS3T03	Operating Systems	55

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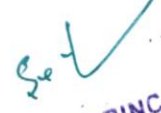
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
23	III	201CS3T04	Software Engineering	25
24	III	201BS3T13	Discrete Mathematics	0
25	III	201CS3L01	Object Oriented Programming through C++ Lab	100
26	III	201CS3L02	Operating Systems Lab	0
27	III	201CS3L03	Unix and Shell Programming Lab	100
28	III	201SC3L05	Applications of python-numpy	100
29	III	201SC3L06	web application development using full stack frontend development-module -I	100
30	III	201MC3T03	Biology for Engineers	0
31	IV	201BS4T16	Probability and statistics	0
32	IV	201CS4T05	Formal Languages and Automata Theory	0
33	IV	201CS4T06	Database Management Systems	0
34	IV	201CS4T07	Java programming	0
35	IV	201HS4T03	Managerial Economics and Financial Accountancy	0
36	IV	201CS4L04	Database Management Systems Lab	0
37	IV	201CS4L05	Java Programming Lab	100
38	IV	201CS4L06	R Programming Lab	100
39	IV	201SC4L18	Applications of python- pandas	100
40	IV	201SC4L19	Web application development using full stack frontend development module-II	100
41	IV	201MC4T04	Essence of Indian Traditional Knowledge	0
42	V	191CS5T08	Compiler Design	0
43	V	191CS5T09	Computer Networks	0
44	V	191CS5T10	Database Management Systems	0
45	V	191CS5T11	Operating Systems	0
46	V	191CS5E04	Functional and Logic Programming	100
47	V	191CS5E01	Advanced Computer Architecture	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
48	V	19ICS5E02	Artificial Intelligence	100
49	V	19ICS5E05	Software Requirement and Estimation	100
50	V	19ICS5E03	Computer Graphics	0
51	V	19ICE5O01	Basic Concrete Technology	100
52	V	19IEE5O01	Electrical Safety	100
53	V	19IEE5O02	Electrical Materials	100
54	V	19IEE5O03	Basic Electrical Measurements	100
55	V	19IME5O01	Renewable Energy Sources	100
56	V	19IME5O02	Fundamentals of Mechanical Engineering	100
57	V	19IME5O03	Supply Chain Management	100
58	V	19IME5O04	3D Printing	100.
59	V	19IME5O05	Entrepreneurship Development and Incubation	100
60	V	19IEC5O01	Signals & Systems	100
61	V	19IEC5O02	Digital Electronics and Logic Design	100
62	V	19IEC5O03	Semi conductor devices	100
63	V	19ICS5O01	Data Structures	0
64	V	19ICS5O02	Object Oriented Programming through C++	0
65	V	19ICS5O03	Java Programming	0
66	V	19ICS5O04	R Programming	0
67	V	19IIT5O01	Data Base Management Systems	100
68	V	19IIT5O02	Computer Graphics	100
69	V	19IMI5O01	Overview of Mining	100
70	V	19IPT5O01	Process Intensification in Petroleum Industry	100
71	V	19IPT5O02	Fundamentals of Petroleum Industry	100
72	V	19IAG5O01	Basic Crop Production Practices	100
73	V	19ICS5L04	Operating Systems and Computer Networks Lab	100


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
74	V	191CS5L05	Database Management Systems Lab	0
75	V	191HS5T06	Employability Skills - III	0
76	V	191PR5P02	Socially Relevant Project	100
77	V	191MC5A08	Intellectual Property Rights and Patents	0
78	VI	191CS6T12	Data Ware Housing and Data Mining	0
79	VI	191CS6T13	Object Oriented Analysis and Design	100
80	VI	191CS6T14	Web Technologies	50
81	VI	191CS6E09	Scripting languages	100
82	VI	191CS6E06	Advance Operating Systems	100
83	VI	191CS6E08	Machine Learning	0
84	VI	191CS6E10	Software Testing Methodologies	60
85	VI	191CS6E07	Image Processing	50
86	VI	191CS6E11	C# .Net	100
87	VI	191CS6E13	Distributed Systems	100
88	VI	191CS6E14	Natural Language Processing	100
89	VI	191CS6E15	Software Quality Assurance	0
90	VI	191CS6E12	Cloud Computing	0
91	VI	191CE6O02	Disaster Management	100
92	VI	191EE6O04	Energy Audit and Conservation Management	100
93	VI	191EE6O05	Non Conventional Energy resources	100
94	VI	191EE6O06	Instrumentation	100
95	VI	191ME6O06	Solar Energy Utilisation	100
96	VI	191ME6O07	Basic Thermodynamics and Heat Transfer	100
97	VI	191ME6O08	Introduction to Hydraulics and Pneumatics	100
98	VI	191ME6O09	3D Printing	100
99	VI	191ME6O06	Robotics	100


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
100	VI	191ME6O09	Management Science	100
101	VI	191ME6O12	Entrepreneurship Development and Incubation	100
102	VI	191ME6O07	Biomedical Instrumentation	100
103	VI	191ME6O08	ECAD Tools	100
104	VI	191CS6O05	Python Programming	0
105	VI	191CS6O06	Operating Systems	0
106	VI	191CS6O07	Web Technologies	0
107	VI	191CS6O08	Cyber Security	0
108	VI	191CS6O09	AR / VR	0
109	VI	191IT6O03	Computer Organization	100
110	VI	191IT6O04	AI Tools & Techniques	100
111	VI	191IT6O05	Robotic Process Automation	100
112	VI	191MI6O02	Industrial Safety Practices	100
113	VI	191MI6O03	Electrical Equipment's in Mines	100
114	VI	191PT6O03	Unconventional Hydrocarbon Resources	100
115	VI	191PT6O04	Asset Management	100
116	VI	191AG6O02	Weather forecast in Agriculture	100
117	VI	191AG6O03	Bio-energy systems design and applications	100
118	VI	191CS6L06	Data Mining and Object Oriented Analysis and Design Lab	100
119	VI	191CS6L07	Web Technologies Lab	0
120	VI	191HS6T07	Employability Skills - IV	0
121	VI	191MC6A09	Professional Ethics and Human Values	0
122	VII	171CS7T18	Cryptography and Network Security	0
123	VII	171CS7T19	UML and Design Patterns	0
124	VII	171CS7T20	Cloud Computing	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
125	VII	171HS7T05	Management Science	0
126	VII	171CS7E13	Software Project Management	0
127	VII	171CS5E14	Big Data Analytics	0
128	VII	171CS7E15	Image Processing	0
129	VII	171CS7E16	Cyber Laws	0
130	VII	171CS7E17	Middleware Technologies	0
131	VII	171CS7E18	Artificial Intelligence and Machine Learning	0
132	VII	171CS7E19	Information Retrieval Systems	0
133	VII	171CS7E20	Mobile Computing	0
134	VII	171CS7L12	UML and Design Patterns Lab	0
135	VII	171CS7L13	Big Data Analytics Lab	0
136	VII	171CS7P01	Industry Oriented (Internship) Minor Project	0
137	VIII	171CS8E21	Agile Methodologies	0
138	VIII	171CS8E22	Cyber Security	0
139	VIII	171CS8E23	Distributed Databases	0
140	VIII	171CS8E24	Distributed Systems	0
141	VIII	171CS8O01	Microprocessor and Multi Core Systems	0
142	VIII	171CS8O02	Embedded Systems	0
143	VIII	171CS8O03	Soft Computing	0
144	VIII	171EE8O05	Robotics	0
145	VIII	171CS8O04	Operations Research	0
146	VIII	171CS8O05	Optical Communications	0
147	VIII	171EE8O07	Internet of Things	0
148	VIII	171EC8O02	Disaster Management	0
149	VIII	171CS8O06	Renewable Energy sources	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
150	VIII	17ICS8O07	Nano Technology and its Applications	0
151	VIII	17ICS8P02	Project Work	0
Total number of courses in the academic year 2021-2022				= 151
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022				= 67
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(\frac{49}{135}) \times 100$				= 44.37%


Program Coordinator


Head of the Department

Head of the Department
Department of CSE
ADITYA ENGINEERING COLLEGE (A9)


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Program Name : **B.Tech. in Information Technology**

Syllabus Revision for the Academic Year 2021-2022				
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	0
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

Principal
Aditya Engineering College
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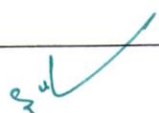
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	II	201MC2T02	Constitution of India	0
20	III	201CS3T01	Advanced data structures	50
21	III	201CS3T02	Object Oriented Programming through C++	0
22	III	201CS3T03	Operating Systems	55
23	III	201CS3T04	Software Engineering	25
24	III	201BS3T13	Discrete Mathematics	0
25	III	201CS3L01	Object Oriented Programming through C++ Lab	100
26	III	201CS3L02	Operating Systems Lab	0
27	III	201CS3L03	Unix and Shell Programming Lab	100
28	III	201SO3L05	Skill Oriented Course-I 1. Applications of Python numpy	100
29	III	201SO3L06	2. Web application development using full stack frontend development – module –I	100
30	III	201MC3T03	Biology for Engineers	0
31	IV	201BS4T16	Probability and statistics	0
32	IV	201CS4T05	Formal Languages and Automata Theory	0
33	IV	201CS4T06	Database Management Systems	0
34	IV	201CS4T07	JAVA PROGRAMMING	0
35	IV	201HS4T03	Managerial Economics and Financial Analysis	0
36	IV	201CS4L04	Database Management Systems Lab	0
37	IV	201CS4L05	Java Programming Lab	100
38	IV	201CS4L06	R Programming Lab	100
39	IV	201SC4L18	Skill Oriented Course II 1. Applications of python-pandas	100
40	IV	201SC4L19	2. Web application development using full stack frontend development module-II)	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
41	IV	201MC4T04	Essence of Indian Traditional Knowledge	0
42	V	191CS5T08	Compiler Design	0
43	V	191CS5T09	Computer Networks	0
44	V	191CS5T10	Database Management Systems	0
45	V	191CS5T11	Operating Systems	0
46	V	191CS5E04	Functional and Logic Programming	100
47	V	191CS5E01	Advanced Computer Architecture	0
48	V	191CS5E02	Artificial Intelligence	100
49	V	191CS5E05	Software Requirement and Estimation	100
50	V	191CS5E03	Computer Graphics	0
51	V	191CE5O01	Basic Concrete Technology	0
52	V	191EE5O01	Electrical Safety	0
53	V	191EE5O02	Electrical Materials	0
54	V	191EE5O03	Basic Electrical Measurements	0
55	V	191ME5O01	Renewable Energy Sources	0
56	V	191ME5O02	Fundamentals of Mechanical Engineering	0
57	V	191ME5O03	Supply Chain Management	0
58	V	191ME5O04	3D Printing	0
59	V	191ME5O05	Entrepreneurship Development and Incubation	0
60	V	191EC5O01	Signals & Systems	0
61	V	191EC5O02	Digital Electronics and Logic Design	0
62	V	191EC5O03	Semi conductor devices	0
63	V	191CS5O01	Data Structures	0

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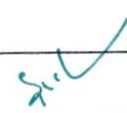
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
64	V	191CS5002	Object Oriented Programming through C++	0
65	V	191CS5003	Java Programming	0
66	V	191CS5004	R Programming	0
67	V	191IT5001	Data Base Management Systems	0
68	V	191IT5002	Computer Graphics	0
69	V	191MI5001	Overview of Mining	0
70	V	191PT5001	Process Intensification in Petroleum Industry	0
71	V	191PT5002	Fundamentals of Petroleum Industry	0
72	V	191AG5001	Basic Crop Production Practices	0
73	V	191CS5L04	Operating Systems and Computer Networks Lab	100
74	V	191CS5L05	Database Management Systems Lab	0
75	V	191HS5T06	Employability Skills - III	0
76	V	191PR5P02	Socially Relevant Project	100
77	V	191MC5A08	Intellectual Property Rights and Patents	0
78	VI	191CS6T12	Data Ware Housing and Data Mining	0
79	VI	191CS6T13	Object Oriented Analysis of Design	100
80	VI	191CS6T14	Web Technologies	50
81	VI	191CS6E09	Scripting languages	100
82	VI	191CS6E06	Advance Operating Systems	100
83	VI	191CS6E08	Machine Learning	0
84	VI	191CS6E10	Software Testing Methodologies	60
85	VI	191CS6E07	Image Processing	50
86	VI	191CS6E11	C# .Net	100


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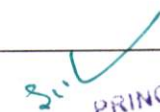
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
87	VI	191CS6E13	Distributed Systems	100
88	VI	191CS6E14	Natural Language Processing	100
89	VI	191CS6E15	Software Quality Assurance	0
90	VI	191CS6E12	Cloud Computing	0
91	VI	191CE6O02	Disaster Management	0
92	VI	191EE6O04	Energy Audit and Conservation Management	0
93	VI	191EE6O05	Non Conventional Energy resources	0
94	VI	191EE6O06	Instrumentation	0
95	VI	191ME6O06	Solar Energy Utilisation	0
96	VI	191ME6O07	Basic Thermodynamics and Heat Transfer	0
97	VI	191ME6O08	Introduction to Hydraulics and Pneumatics	0
98	VI	191ME6O09	3D Printing	0
99	VI	191ME6O10	Robotics	0
100	VI	191EC6O04	Biomedical Instrumentation	0
101	VI	191EC6O05	ECAD Tools	0
102	VI	191ME6O11	Management Science	0
103	VI	191IT6O03	Computer Organization	0
104	VI	191CS6O05	Python Programming	0
105	VI	191CS6O06	Operating Systems	0
106	VI	191IT6O04	AI Tools & Techniques	100
107	VI	191CS6O07	Web Technologies	0
108	VI	191IT6O05	Robotic Process Automation	100
109	VI	191CS6O08	Cyber Security	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
110	VI	191CS6O09	AR / VR	0
111	VI	191MI6O02	Industrial Safety Practices	0
112	VI	191MI6O03	Electrical Equipment's in Mines	0
113	VI	191PT6O03	Unconventional Hydrocarbon Resources	0
114	VI	191PT6O04	Asset Management	0
115	VI	191AG6O02	Weather forecast in Agriculture	0
116	VI	191AG6O03	Bio-energy systems design and applications	0
117	VI	191ME6O12	Entrepreneurship Development and Incubation	0
118	VI	191CS6L06	Data Mining and Object Oriented Analysis of Design Lab	100
119	VI	191CS6L07	Web Technologies Lab	0
120	VI	191HS6T07	Employability Skills - IV	0
121	VI	191MC6A09	Professional Ethics and Human Values	0
122	VII	171CS7T18	Cryptography and Network Security	0
123	VII	171IT7T05	Big Data Analytics	0
124	VII	171CS7T20	Cloud Computing	0
125	VII	171IT7T06	Mobile Computing	0
126	VII	171CS7E13	Software Project Management	0
127	VII	171IT7E06	Machine Learning	0
128	VII	171CS7E15	Image Processing	0
129	VII	171CS7E16	Cyber Laws	0
130	VII	171CS7E19	Information Retrieval Systems	0
131	VII	171IT7E07	Human Computer Interaction	0
132	VII	171IT7E08	Distributed Systems	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
133	VII	171IT7E09	Decision Support System	0
134	VII	171IT7L04	Mobile Computing Lab	0
135	VII	171CS7L13	Big Data Analytics Lab	0
136	VII	171IT7P01	Industry Oriented (Internship) Minor Project	0
137	VIII	171CS8E21	Agile Methodologies	0
138	VIII	171CS8E22	Cyber Security	0
139	VIII	171CS8E23	Distributed Databases	0
140	VIII	171IT8E10	Pattern Recognition	0
141	VIII	171IT8O01	Management Information System	0
142	VIII	171CS8O01	Microprocessor and Multi Core Systems	0
143	VIII	171CS8O02	Embedded Systems	0
144	VIII	171IT8O02	Computer Vision	0
145	VIII	171EE8O05	Robotics	0
146	VIII	171CS8O04	Operations Research	0
147	VIII	171CS8O05	Optical Communications	0
148	VIII	171EE8O07	Internet of Things	0
149	VIII	171EC8O02	Disaster Management	0
150	VIII	171CS8O07	Nano Technology and its Applications	0
151	VIII	171IT8P02	Major Project	0
152	VIII	171EC8O02	Disaster Management	0
153	VIII	171CS8O06	Renewable Energy sources	0
154	VIII	171CS8O07	Nano Technology and its Applications	0
155	VIII	171CS8P02	Project Work	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 2021-2022				= 155
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022				= 28
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(49/135)*100$				= 18.06%


Program Coordinator


Head of the Department
Department of IT
Aditya Engineering College


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Program Name : B.Tech. in Mining Engineering

Syllabus Revision for the Academic Year 2021-2022				
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	0
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	0
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

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20	3	201BS3T14	Numerical Methods and Integral Transforms	0
21	3	201ES3T17	Basic Mechanical Engineering	0
22	3	201MI3T01	Mining Geology	0
23	3	201MI3T02	Mine Surveying	0
24	3	201MI3T03	Development of Mineral Deposits	0
25	3	201MI3L01	Geology Lab	0
26	3	201MI3L02	Basic Mechanical Engineering Lab	0
27	3	201MI3L03	Mine Surveying Lab -I	0
28	3	201SO3L09	Geo-Statistics through SURPAC	20
29	3	201MC3T03	Biology for Engineers	0
30	4	201BS4T17	Complex Variables and Statistical Methods	0
31	4	201MI4T04	Fundamentals of Rock Mechanics	0
32	4	201MI4T05	Surface Mining	0
33	4	201MI4T06	Underground Coal Mining Technology	0
34	4	201BS4T18	Managerial Economics and Financial Accountancy	0
35	4	201MI4L04	Rock Mechanics Lab	0
36	4	201MI4L05	Mine Surveying Lab -II	0
37	4	201SC4L20	Data Analytics for Mining using Python	100
38	4	201MC4T04	Essence of Indian Traditional Knowledge	0
39	5	191MI5T09	Mine Systems Engineering	0
40	5	191MI5T10	Underground Metal Mining Technology	0
41	5	191MI5T11	Mine Environment & Ventilation Engineering	10
42	5	191MI5T12	Mine Machinery	10
43	5	191MI5E02	Environmental Impact Assessment	0
44	5	191MI5E03	Planning of Underground Coal Mining Project	0
45	5	191MI5E04	Sustainable Mining	100
46	5	191MI5E01	Drilling & Blasting	0

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47	5	191CE5O01	Basic Concrete Technology	1 00
48	5	191EE5O01	Electrical Safety	1 00
49	5	191EE5O02	Electrical Materials	1 00
50	5	191EE5O03	Basic Electrical Measurements	1 00
51	5	191ME5O01	Renewable Energy Sources	1 00
52	5	191ME5O02	Fundamentals of Mechanical Engineering	1 00
53	5	191ME5O03	Supply Chain Management	1 00
54	5	191ME5O04	3D Printing	1 00
55	5	191ME5O05	Entrepreneurship Development and Incubation	1 00
56	5	191EC5O01	Signals and Systems	1 00
57	5	191EC5O02	Digital Electronics and Logic Design	1 00
58	5	191EC5O03	Semi conductor devices	1 00
59	5	191CS5O01	Data Structures	1 00
60	5	191CS5O01	Object Oriented Programming through C++	1 00
61	5	191CS5O03	Java Programming	1 00
62	5	191CS5O04	R Programming	1 00
63	5	191IT5O01	Database Management Systems	1 00
64		191IT5O02	Computer Graphics	1 00
65	5	191PT5O01	Process Intensification in Petroleum Industry	1 00
66	5	191PT5O02	Fundamentals of Petroleum Industry	1 00
67	5	191AG5O01	Basic Crop Production Practices	1 00
68	5	191MI5L04	Mine Environment & Ventilation Engineering Lab	0
69	5	191HS5T06	Employability Skills – III	0
70	5	191PR5P02	Socially Relevant Project	1 00
71	5	191MC5A08	Intellectual Property Rights and Patents	
72	6	191MI6T13	Mineral Processing Technology	30
73	6	191MI6T14	Mine Hazards & Rescue	15

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74	6	191MI6T15	Environmental Management in Mines	100
75	6	191MI6E06	Mine Health & Safety Engineering	0
76	6	191MI6E07	Planning of Underground Metal Mining Project	0
77	6	191MI6E05	Green Mining	100
78	6	191MI6E08	Rock Fragmentation Engineering	0
79	6	191MI6E10	Environmental Pollution and Control	5
80	6	191MI6E11	Planning of Surface Mining Project	0
81	6	191MI6E09	Deep Sea Mining	0
82	6	191MI6E12	Rock Excavation Engineering	20
83	6	191CE6O02	Disaster Management	100
84	6	191EE6O04	Energy Audit and Conservation Management	100
85	6	191EE6O05	Non-Conventional Energy Sources	100
86	6	191EE6O06	Instrumentation	100
87	6	191ME6O06	Solar Energy Utilisation	100
88	6	191ME6O07	Basic Thermodynamics and Heat Transfer	100
89	6	191ME6O08	Introduction to Hydraulics and Pneumatics	100
90	6	191ME6O09	3D Printing	100
91	6	191ME6O10	Robotics	100
92	6	191ME6O11	Management Science	100
93	6	191ME6O12	Entrepreneurship Development and Incubation	100
94	6	191EC6O04	Biomedical Instrumentation	100
95	6	191EC6O05	ECAD Tools	100
96	6	191CS6O05	Python Programming	100
97	6	191CS6O06	Operating Systems	100
98	6	191CS6O07	Web Technologies	100
99	6	191CS6O08	Cyber Security	100
100	6	191CS6O09	AR / VR	100

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101	6	191IT6O03	Computer Organization	100
102	6	191IT6O04	AI Tools & Techniques	100
103	6	191IT6O05	Robotic Process Automation	100
104	6	191PT6O03	Unconventional Hydrocarbon Resources	100
105	6	191PT6O04	Asset Management	100
106	6	191AG6O02	Weather forecast in Agriculture	100
107	6	191AG6O03	Bio-energy systems design and applications	100
108	6	191MI6L05	Mine Planning & Design Lab	0
109	6	191MI6L06	Mineral Processing Lab	40
110	6	191HS6T07	Employability Skills – IV	0
111	6	191MC6A09	Professional Ethics and Human Values	100
112	7	171MI7T17	Mine Economics	0
113	7	171MI7T18	Mine Health and Safety Engineering	0
114	7	171MI7T19	Mine Legislation and General Safety	0
115	7	171MI7T20	Mine Management	0
116	7	171MI7E10	Planning of UGMM Project	0
117	7	171MI7E11	Planning of UGCM Project	0
118	7	171MI7E12	Planning of Surface Mining Project	0
119	7	171MI7E13	Mine mechanization	0
120	7	171MI7E14	Advance Underground Coal Mining Technology	0
121	7	171MI7E15	Mine Blasting operation	0
122	7	171MI7L07	Mine Planning and Design Lab	0
123	7	171ES7L16	Mechanical Engineering Lab	0
124	7	171MI7P01	Industry Oriented (Internship) Minor Project	0
125	8	171MI8E16	Mine Systems Engineering	0
126	8	171MI8E17	Advance Surface Mining Technology	0
127	8	171MI8E18	Advanced Underground Metal Mining Technology	0

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128	8	171EE8O05	Robotics	0
129	8	171MI8O01	Environmental Impact Assessment	0
130	8	171MI8O02	Mine Closure and Reclamation	0
131	8	171MI8O03	Fundamentals of Communication	0
132	8	171MI8O04	Remote Sensing and GIS	0
133	8	171MI8O05	Quantitative Decision Making	0
134	8	171MI8P02	Major Project	0
Total number of courses in the academic year 2021-2022				134
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022				56
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(56/134)*100$				41.79


Program Coordinator


Head of the Department
Head of the Department
DEPARTMENT OF MINING ENGINEERING
ADITYA ENGINEERING COLLEGE


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

Program Name : **B.Tech. in Petroleum Technology**

Syllabus Revision for the Academic Year 2021-2022

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	0
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	0
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	201BS3T14	Numerical Methods and integral transforms	0
21	III	201PT3T01	Principles of Geology for Petroleum Engineers	0
22	III	201PT3T02	Material Balance and Energy	0
23	III	201PT3T03	Petroleum Exploration	0
24	III	201PT3T04	Fluid Mechanics for Petroleum Engineers	0
25	III	201PT3L01	Principles of Geology for Petroleum Engineers Lab	0
26	III	201PT3L02	Fluid Mechanics for Petroleum Engineers Lab	0
27	III	201PT3L03	Mathematical Methods Lab	0
28	III	201SC3L10	Skill oriented course -Industry Exploration Project	100
29	IV	201ES4T20	Mechanical and Materials Science and Engineering	0
30	IV	201BS4T17	Complex Variables and Statistical Methods	0
31	IV	201PT4T05	Petroleum Geology	0
32	IV	201PT4T06	Heat Transfer Operations	0
33	IV	201HS4T06	Management and Organizational Behavior	0
34	IV	201ES4L16	Mechanical and Materials Science and Engineering Lab	0
35	IV	201PT4L04	Heat Transfer Operations Lab	0
36	IV	201PT4L05	Petroleum Geology Lab	0
37	IV	201SC4L21	Python Programming	0
38	V	191PT5T08	Instrumentation and Process Control	0
39	V	191PT5T09	Well Logging and Mud Logging	38
40	V	191PT5T10	Drilling Technology	0
41	V	191PT5T11	Thermodynamics for Petroleum Engineers	0
42	V	191PT5E03	Well Engineering and Design	0
43	V	191PT5E02	Pipeline Engineering	0
44	V	191PT5E01	Natural Gas Engineering and Processing	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
45	V	19ICE5001	Basic Concrete Technology	100
46	V	19IEE5001	Electrical Safety	100
47	V	19IEE5002	Electrical Materials	100
48	V	19IEE5003	Basic Electrical Measurements	100
49	V	19IME5001	Renewable Energy Sources	100
50	V	19IME5002	Fundamentals of Mechanical Engineering	100
51	V	19IME5003	Supply Chain Management	100
52	V	19IME5004	3D Printing	100
53	V	19IME5005	Entrepreneurship Development and Incubation	100
54	V	19IEC5001	Signals & Systems	100
55	V	19IEC5002	Digital Electronics and Logic Design	100
56	V	19IEC5003	Semi conductor devices	100
57	V	19ICS5001	Data Structures	100
58	V	19ICS5002	Object Oriented Programming through C++	100
59	V	19ICS5003	Java Programming	100
60	V	19ICS5004	R Programming	100
61	V	19IT5001	Data Base Management Systems	100
62	V	19IT5002	Computer Graphics	100
63	V	19IMI5001	Overview of Mining	100
64	V	19IPT5001	Process Intensification in Petroleum Industry	0
65	V	19IPT5002	Fundamentals of Petroleum Industry	0
66	V	19IAG5001	Basic Crop Production Practices	100
67	V	19IPT5L04	Drilling Fluids Lab	0
68	V	19IPT5L05	Instrumentation, Process Dynamics and Control Lab	0
69	V	19IES5T16	Employability Skills – III	0
70	V	19IPR5P01	Socially Relevant Project	100
71	VI	19IPT6T12	Petroleum Refinery and Petrochemical Engineering	0
72	VI	19IPT6T13	Petroleum Production Engineering	0
73	VI	19IPT6T14	Petroleum Reservoir Engineering-I	0
74	VI	19IPT6E06	Well Completions, Testing and Services	0
75	VI	19IPT6E05	Operational and Maintenance of Pipelines	100
76	VI	19IPT6E04	Fundamentals of Liquefied Natural gas	20
77	VI	19IPT6E09	Unconventional Hydrocarbon Resources	100
78	VI	19IPT6E08	Storage and Transportation of Crude oil and Natural gas	0
79	VI	19IPT6E07	Advanced Separation Techniques	100
80	VI	19ICE6O02	Disaster Management	0
81	VI	19IEE6O04	Energy Audit and Conservation Management	100
82	VI	19IEE6O05	Non Conventional Energy resources	100
83	VI	19IEE6O06	Instrumentation	100
84	VI	19IME6O06	Solar Energy Utilisation	100
85	VI	19IME6O07	Basic Thermodynamics and Heat Transfer	100
86	VI	19IME6O08	Introduction to Hydraulics and Pneumatics	100
87	VI	19IME6O09	3D Printing	100
88	VI	19IME6O06	Robotics	100
89	VI	19IME6O09	Management Science	100
90	VI	19IME6O12	Entrepreneurship Development and Incubation	100
91	VI	19IME6O07	Biomedical Instrumentation	100
92	VI	19IME6O08	ECAD Tools	100
93	VI	19ICS6O05	Python Programming	100

21/12
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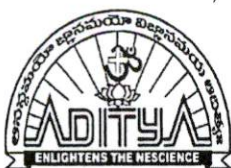
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
94	VI	191CS6006	Operating Systems	100
95	VI	191CS6007	Web Technologies	100
96	VI	191CS6008	Cyber Security	100
97	VI	191CS6009	AR / VR	100
98	VI	191IT6003	Computer Organization	100
99	VI	191IT6004	AI Tools & Techniques	100
100	VI	191IT6005	Robotic Process Automation	100
101	VI	191MI6002	Industrial Safety Practices	100
102	VI	191MI6003	Electrical Equipment's in Mines	100
103	VI	191PT6003	Unconventional Hydrocarbon Resources	100
104	VI	191PT6004	Asset Management	100
105	VI	191PT6L06	Petroleum Reservoir Engineering Lab	0
106	VI	191PT6L07	Petroleum Analysis Lab	0
107	VI	191ES6T17	Employability Skills - IV	0
108	VII	171PT7T15	Integrated Asset Management and Petroleum Economics	0
109	VII	171PT7T16	Petroleum Reservoir Engineering - II	0
110	VII	171PT7T17	IOR and EOR Techniques	0
111	VII	171PT7T18	Oil and Gas Processing Plant Design	0
112	VII	171PT7E10	Coal Bed Methane	0
113	VII	171PT7E11	Offshore Engineering	0
114	VII	171PT7E12	Petroleum Corrosion Technology	0
115	VII	171PT7E13	Shale Gas Reservoir Engineering	0
116	VII	171PT7E14	Subsea Engineering	0
117	VII	171PT7E15	Reservoir Modeling and Simulation	0
118	VII	171PT7L07	Petroleum Equipment Design and Simulation Lab	0
119	VII	171PT7L08	Petroleum Reservoir Engineering Lab	0
120	VII	171HS7A04	Managerial Economics and Financial Analysis	0
121	VII	171PT7P01	Industry Oriented (Internship) Minor Project	0
122	VIII	171PT8E16	HSE and FE in Petroleum Industry	0
123	VIII	171PT8E17	Reliability and Risk Management in Petroleum Operations	0
124	VIII	171PT8E18	Deep Sea Production Systems	0
125	VIII	171PT8O01	Green Technologies	0
126	VIII	171PT8O02	Non-Conventional Sources of Energy	0
127	VIII	171PT8O03	Alternative Energy Sources for Automobiles	0
128	VIII	171PT8O04	Waste Water Treatment	0
129	VIII	171PT8O05	Computational Fluid Dynamics	0
130	VIII	171PT8O06	Process Intensification in Petroleum Industry	0
131	VIII	171EC8O02	Disaster Management	0
132	VIII	171PT8P02	Major Project	0
Total number of courses in the academic year 2021-2022				= 131
Number of courses having revision in syllabus content >= 20% in the academic year 2021-2022				= 52
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(52/131)*100$				= 38.93%

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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Program Name : B.Tech. in Agricultural Engineering

Syllabus Revision for the Academic Year 2021-2022				
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	0
5	I	201ES1T05	Engineering Graphics	0
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L01	Engineering Physics Lab	0
8	I	201ES1L04	Soil Science and Agronomy Field Lab	0
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	0
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	201BS3T12	Integral Transforms and Applications of Partial Differential Equations	0
21	III	201AG3T01	Surveying and Levelling	0
22	III	201AG3T02	Fluid Mechanics and Open Channel Hydraulics	0
23	III	201AG3T03	Thermodynamics, Refrigeration and Air Conditioning	30
24	III	201AG3T04	Strength of Materials	5
25	III	201AG3L01	Surveying and Levelling Lab	0
26	III	201AG3L02	Fluid Mechanics and Open Channel Hydraulics Lab	0
27	III	201AG3L03	Thermodynamics, Refrigeration and Air Conditioning Lab	100
28	III	201SO3L10	1) Computer Aided Manufacturing	100
29	III	201SO3L11	2) Computer Aided Design using SolidWorks	100
30	III	201MC3T03	Biology for Engineers	0
31	IV	201ES4T21	Soil Mechanics	100
32	IV	201BS4T15	Numerical Methods and Statistical Techniques	0
33	IV	201AG4T05	Heat and Mass Transfer	0
34	IV	201AG4T06	Tractor Systems and Controls	30
35	IV	201HS4T07	Entrepreneurship Development and Business Management	100
36	IV	201ES4L17	Soil Mechanics Lab	15
37	IV	201AG4L04	Tractor Systems and Controls Lab	30
38	IV	201AG4L05	Heat and Mass Transfer Lab	0
39	IV	201SC4L22	1) Food Quality and Control	100
40	IV	201SC4L23	2) Analysis/Simulation using MATLAB	100
41	IV	201MC4T04	Essence of Indian Traditional Knowledge	0

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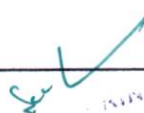
42	V	191AG5T09	Strength of Materials	0
43	V	191AG5T10	Theory and Design of Agricultural Machinery	30
44	V	191AG5T11	Agricultural Process Engineering and Food Quality	20
45	V	191AG5E01	Engineering Properties of Biological Materials	20
46	V	191AG5E02	Mechanical Measurement and Instrumentation	0
47	V	191AG5E03	Theory of Structures	0
48	V	191CE5O01	Basic Concrete Technology	100
49	V	191EE5O01	Electrical Safety	100
50	V	191EE5O02	Electrical Materials	100
51	V	191EE5O03	Basic Electrical Measurements	10
52	V	191ME5O02	Fundamentals of Mechanical Engineering	100
53	V	191ME5O03	Supply Chain Management	100
54	V	191ME5O04	3D Printing	100
55	V	191ME5O05	Entrepreneurship Development and Incubation	100
56	V	191EC5O01	Signals & Systems	100
57	V	191EC5O02	Digital Electronics and Logic Design	100
58	V	191EC5O03	Semi conductor devices	100
59	V	191CS5O01	Data Structures	100
60	V	191CS5O02	Object Oriented Programming through C++	100
61	V	191CS5O03	Java Programming	100
62	V	191CS5O04	R Programming	100
63	V	191IT5O01	Data Base Management Systems	100
64	V	191IT5O02	Computer Graphics	100
65	V	191MI5O01	Overview of Mining	100

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66	V	191PT5O01	Process Intensification in Petroleum Industry	100
67	V	191PT5O02	Fundamentals of Petroleum Industry	100
68	V	191AG5L07	Soil Mechanics Lab	100
69	V	191AG5L08	Theory and Design of Agricultural Machine LAB	100
70	V	191AG5L09	Agricultural Process Engineering and Food Quality LAB	10
71	V	191HS5T06	Employability Skills - III	0
72	V	191PR5P02	Socially Relevant Project	100
73	V	191MC5A08	Intellectual Property Rights and Patents	0
74	VI	191AG6T12	Irrigation and Drainage Engineering	10
75	VI	191AG6T13	Post-Harvest Engineering for Horticultural Produce	5
76	VI	191AG6T14	Agricultural Machinery and Equipment	40
77	VI	191AG6E06	Human Engineering and Safety	10
78	VI	191AG6E04	Agricultural Structures	10
79	VI	191AG6E05	Agro Industries and By- Product Utilization	10
80	VI	191AG6E07	Design of Agricultural Machinery	30
81	VI	191AG6E09	Watershed Planning and Management	15
82	VI	191AG6E08	Seed Processing and Storage Engineering	15
83	VI	191CE6O02	Disaster Management	100
84	VI	191EE6O04	Energy Audit and Conservation Management	100
85	VI	191EE6O05	Non Conventional Energy resources	100
86	VI	191ME6O08	Introduction to Hydraulics and Pneumatics	100
87	VI	191ME6O09	3D Printing	100
88	VI	191ME6O06	Robotics	100
89	VI	191ME6O09	Management Science	100

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90	VI	191ME6O07	Biomedical Instrumentation	100
91	VI	191ME6O08	ECAD Tools	100
92	VI	191CS6O05	Python Programming	100
93	VI	191CS6O06	Operating Systems	100
94	VI	191CS6O07	Web Technologies	100
95	VI	191CS6O08	Cyber Security	100
96	VI	191CS6O09	AR / VR	100
97	VI	191IT6O03	Computer Organization	100
98	VI	191IT6O04	AI Tools & Techniques	100
99	VI	191MI6O03	Electrical Equipment's in Mines	100
100	VI	191PT6O03	Unconventional Hydrocarbon Resources	100
101	VI	191PT6O04	Asset Management	100
102	VI	191ME6O12	Entrepreneurship Development and Incubation	100
103	VI	191AG6L10	Irrigation and Drainage Engineering LAB	100
104	VI	191AG6L11	Agricultural Machinery and Equipment Lab	30
105	VI	191HS6T07	Employability Skills – IV	0
106	VI	191MC6A09	Professional Ethics and Human Values	0
107	VII	171AG7T18	Micro Irrigation Engineering	0
108	VII	171AG7T19	Farm Machinery and Equipment – II	0
109	VII	171AG7T20	Dairy and Food Engineering	0
110	VII	171ES7T26	Mechanical Measurements and Instrumentation	0
111	VII	171AG7E09	Seed Processing and Storage Engineering	0
112	VII	171AG7E10	Food Processing Plant Design and Layout	0
113	VII	171AG7E11	Food Packaging Technology	0


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114	VII	171AG7E12	Aqua Cultural Engineering	0
115	VII	171AG7E13	Soil Dynamics in Tillage and Traction	0
116	VII	171AG7E14	Computational Fluid Dynamics	0
117	VII	171AG7L06	Farm Machinery Lab – II	0
118	VII	171AG7L07	Dairy and Food Engineering Lab	0
119	VII	171AG7P01	Industry Oriented (Internship) Minor Project	0
120	VIII	171AG8E15	Hydraulic Devices and Control	0
121	VIII	171AG8E16	Watershed Management	0
122	VIII	171AG8E17	Design of Agricultural Machinery	0
123	VIII	171AG8O01	Digital Control systems	0
124	VIII	171AG8O02	Industrial Pollution Control Engineering	0
125	VIII	171AG8O03	Mechatronics	0
126	VIII	171AG8O04	Water Resources Systems Planning and Management	0
127	VIII	171CS8O04	Operations Research	0
128	VIII	171AG8O05	Image Processing Techniques	0
129	VIII	171AG8P02	Major Project	0
Total number of courses in the academic year 2021-2022				129
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022				59
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(25/88) \times 100$				45.73

[Signature]
Program Coordinator

N.V. God
Head of the Department

Head of the Department
Department of Agricultural Engineering
ADITYA ENGINEERING COLLEGE (A9)

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

Syllabus Revision for the Academic Year 2021-2022

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	20
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
21	II	192ST2L04	Structural Design Laboratory	0
22	II	192ST2P01	Mini Project With Seminar	0

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24	I/II	192MC1A02/192MC2A02	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	192ST3E13	Design of Pre-stressed Concrete structures	0
33	III	192ST3E14	Structural Health Monitoring	0
34	III	192ST3E15	Industrial Structures	20
35	III	19STMOOC1	MOOCS-I*	0
36	III	---	MOOCs-II #	0
37	III	192PD3O01	Renewable Energy Technologies	0
38	III	192PD3O02	Hybrid Electric Vehicles	0
39	III	192PD3O03	Energy Audit and conservation Management	0
40	III	192PD3O04	Neural Networks and Fuzzy Logic	0
41	III	192PD3O05	Industrial Safety	0
42	III	192PD3O06	Composite Materials	0
43	III	192TE3O01	Energy Systems	0
44	III	192TE3O02	Fuels and Combustion	0
45	III	192TE3O04	IC Engines	0
46	III	192TE3O05	Automotive Technology	0
47	III	192ES3O01	Embedded System Design	0
48	III	192ES3O02	Digital System Design	0
49	III	192ES3O03	Programming Languages for Embedded Systems	0
50	III	192ES3O04	Sensors & Actuators	0
51	III	192VD3O01	Physical Design Automation	0

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53	III	192VD3O03	Nano-electronics	0
54	III	192CS3O01	Python Programming (CSE)	0
55	III	192CS3O02	Principles of Cyber Security	0
56	III	192CS3O03	Internet of Things	0
57	III	192CS3O04	Machine Learning	0
58	III	192CS3O05	Artificial Intelligence	0
59	III	192CS3O06	Deep Learning	0
60	III	192PE3O01	Introduction to Petroleum Engineering	0
61	III	192PE3O02	Process Intensification	0
62	III	192PE3O03	Fundamentals of Liquefied Natural Gas	0
63	III	192PE3O04	Subsea Engineering	0
64	III	192PE3O06	HSE in Petroleum Industry	0
65	III	192ST3P02	Dissertation-I/ Industrial Project	0
66	IV	192ST4P03	Dissertation – II	0
Total number of courses in the academic year 2021-2022				= 66
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022				= 02
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(02/66)*100$				= 3.03%


Program Coordinator


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


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Program Name : **M.Tech. in Power Electronics and Drives**

Syllabus Revision for the Academic Year 2021-2022

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	20
6	I	192PD1E04	Artificial Intelligence Techniques	80
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 Ski	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	20
26	II	192PD2E10	Advanced Digital Signal Processing	20
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	0
34	III	192PD3E14	Smart Grid Technologies	0
35	III	192PD3E15	Modeling & Simulation of Power Electronic Systems	0
36	III	19ST3O01	Repair and Rehabilitation of Structures	0
37	III	19ST3O02	Green Building Systems	0
38	III	19ST3O03	Basic Concrete Technology	0
39	III	19ST3O04	Basic Foundation Engineering	0
40	III	19STE3O01	Fuels and Combustion	0
41	III	19STE3O02	IC Engines	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
42	III	19STE3O03	Automotive Technology	0
43	III	19STE3O04	Embedded System Design	0
44	III	19STE3O05	Digital System Design	0
45	III	19ES3O01	Embedded System Design	0
46	III	19ES3O02	Digital System Design	0
47	III	19ES3O03	Programming Languages for Embedded Systems	0
48	III	19ES3O04	Sensors and Actuators	0
49	III	19VD3O01	Physical Design Automation	0
50	III	19VD3O02	VLSI Technology	0
51	III	19VD3O03	Nano-electronics	0
52	III	19CS3O01	Python Programming (CSE)	0
53	III	19CS3O02	Principles of Cyber Security	0
54	III	19CS3O03	Internet of Things	0
55	III	19CS3O04	Machine Learning	0
56	III	19CS3O05	Artificial Intelligence	0
57	III	19CS3O06	Deep Learning	0
58	III	19PE3O01	Introduction to Petroleum Engineering	0
59	III	19PE3O02	Process Intensification	0
60	III	19PE3O03	Fundamentals of Liquefied Natural Gas	0
61	III	19PE3O04	Subsea Engineering	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
62	III	19PE3O05	Geology	0
63	III	19PE3O06	HSE in Petroleum Industry	0
64	IV	192PD4P03	Dissertation II	0

Total number of courses in the academic year 2021-2022	= 64
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022	= 4
Percentage of syllabus revision carried out in the academic year 2021-22 = $(4/64) \times 100$	= 6.12%


Program Coordinator


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


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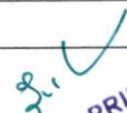
Program Name : M.Tech. in VLSI Design

Syllabus Revision for the Academic Year 2021-2022

S.No	Semester	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	20
7	I	192VD1E04	Device Modelling	0
8	I	192VD1E05	Nano-Electronics	0
9	I	192VD1E06	Photonics	20
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	20
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

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
32	III	192VD3E12	Scripting Languages for VLSI	0
33	III	192VD3E13	Digital System Design & Verification	0
34	III	192EM3E14	Hardware Software co-design	0
35	III	192ST3O01	Repair & Rehabilitation of Structures	0
36	III	192ST3O02	Green Building Systems	0
37	III	192ST3O03	Basic Concrete Technology	0
38	III	192ST3O04	Basic Foundation Engineering	0
39	III	192PD3O01	Renewable Energy Technologies	0
40	III	192PD3O02	Hybrid Electric Vehicles	0
41	III	192PD3O03	Energy Audit and conservation Management	0
42	III	192PD3O04	Neural Networks and Fuzzy Logic	0
43	III	192PD3O05	Industrial Safety	0
44	III	192PD3O06	Composite Materials	0
45	III	192TE3O01	Energy Systems	0
46	III	192TE3O02	Fuels and Combustion	0
47	III	192TE3O03	Green Engineering Technology	0
48	III	192TE3O04	IC Engines	0
49	III	192TE3O05	Automotive Technology	0
50	III	192ES3O01	Embedded System Design	0
51	III	192ES3O03	Programming Languages for Embedded Systems	0
52	III	192ES3O04	Sensors & Actuators	0
53	III	192CS3O01	Python Programming (CSE)	0
54	III	192CS3O02	Principles of Cyber Security	0
55	III	192CS3O03	Internet of Things	0
56	III	192CS3O04	Machine Learning	0
57	III	192CS3O05	Artificial Intelligence	0
58	III	192CS3O06	Deep Learning	0
59	III	192PE3O01	Introduction to Petroleum Engineering	0
60	III	192PE3O02	Process Intensification	0
61	III	192PE3O03	Fundamentals of Liquefied Natural Gas	0
62	III	192PE3O04	Subsea Engineering	0
63	III	192PE3O05	Geology	0
64	III	192PE3O06	HSE in Petroleum Industry	0
65	III	192VD3P03	Dissertation-I/ Industrial Project	0
66	IV	192VD4P04	Dissertation-II	0


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Total number of courses in the academic year 2021-2022	66
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022	3
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(49/135)*100$	4.54%



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. in Thermal Engineering**

Syllabus Revision for the Academic Year 2021-2022

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 -1	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

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
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	20
30	II	192TE2E14	Automotive Engineering	0
31	II	192TE2E15	Modeling and I.C. Engines	0
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	0
38	III	192TE3E19	Convective Heat Transfer	20
39	III	192TE3E20	Waste to Energy	0
40	III	192ST3O01	Repair & Rehabilitation of Structures	0
41	III	192ST3O02	Green Building Systems	0
42	III	192ST3O03	Basic Concrete Technology	0
43	III	192ST3O04	Basic Foundation Engineering	0
44	III	192PD3O01	Renewable Energy Technologies	0

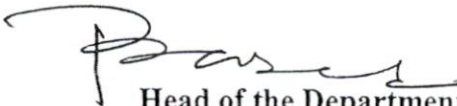
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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
45	III	192PD3O02	Hybrid Electric Vehicles	0
46	III	192PD3O03	Energy Audit and Conservation Management	0
47	III	192PD3O04	Neural Networks and Fuzzy Logic	0
48	III	192PD3O05	Industrial Safety	0
49	III	192PD3O06	Composite Materials	0
50	III	192ES3O01	Embedded System Design	0
51	III	192ES3O02	Digital System Design	0
52	III	192ES3O03	Programming Languages for Embedded Systems	0
53	III	192ES3O04	Sensors & Actuators	0
54	III	192VD3O01	Physical Design Automation	0
55	III	192VD3O02	VLSI Technology	0
56	III	192VD3O03	Nano-Electronics	0
57	III	192CS3O01	Python Programming	0
58	III	192CS3O02	Principles of Cyber Security	0
59	III	192CS3O03	Internet of Things	0
60	III	192CS3O04	Machine Learning	0
61	III	192CS3O05	Artificial Intelligence	0
62	III	192CS3O06	Deep Learning	0
63	III	192PE3O01	Introduction to Petroleum Engineering	0
64	III	192PE3O02	Process Intensification	0
65	III	192PE3O03	Fundamentals of Liquefied Natural Gas	0
66	III	192PE3O04	Subsea Engineering	0
67	III	192PE3O05	Geology	0
68	III	192PE3O06	HSE In Petroleum Industry	0
69	III	192TE3P02	Dissertation I/Industrial Project	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
70	IV	192TE4P03	Dissertation II	0
Total number of courses in the academic year 2021-2022				70
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022				2
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(2/70)*100$				= 2


 Program Coordinator


 Head of the Department

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


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

Syllabus Revision for the Academic Year 2021-2022				
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	20
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	20
17	II	192CS2E10	Cloud Computing	0
18	II	192CS2E11	Principles of computer security	20
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	192MC1A04/1 92MC2A04	Value Education	0
27	I/II	192MC1A05/1 92MC2A05	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	0
34	III	192CS3E14	Social Network Analysis	0
35	III	192ST3O01	Repair & Rehabilitation of Structures	0
36	III	192ST3O02	Green Building Systems	0
37	III	192ST3O03	Basic Concrete Technology	0
38	III	192ST3O04	Basic Foundation Engineering	0
39	III	192PD3O01	Renewable Energy Technologies	0
40	III	192PD3O02	Hybrid Electric Vehicles	0
41	III	192PD3O03	Energy Audit and conservation Management	0
42	III	192PD3O04	Neural Networks and Fuzzy Logic	0
43	III	192PD3O05	Industrial Safety	0
44	III	192PD3O06	Composite Materials	0
45	III	192TE3O01	Energy Systems	0
46	III	192TE3O02	Fuels and Combustion	0
47	III	192TE3O03	Green Engineering Technology	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
48	III	192TE3O04	IC Engines	0
49	III	192TE3O05	Automotive Technology	0
50	III	192ES3O01	Embedded System Design	0
51	III	192ES3O02	Digital System Design	0
52	III	192ES3O03	Programming Languages for Embedded Systems	0
53	III	192ES3O04	Sensors & Actuators	0
54	III	192VD3O01	Physical Design Automation	0
55	III	192VD3O02	VLSI Technology	0
56	III	192VD3O03	Nano-electronics	0
57	III	192CS3O05	Artificial Intelligence	0
58	III	192CS3O06	Deep Learning	0
59	III	192PE3O01	Introduction to Petroleum Engineering	0
60	III	192PE3O02	Process Intensification	0
61	III	192PE3O03	Fundamentals of Liquefied Natural Gas	0
62	III	192PE3O04	Subsea Engineering	0
63	III	192PE3O05	Geology	0
64	III	192PE3O06	HSE in Petroleum Industry	0
65	IV	192CS4P03	Dissertation-II	0

Total number of courses in the academic year 2021-2022	= 65
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022	= 3
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(3/65)*100$	= 4.61%


Program Coordinator


PRINCIPAL
Aditya Engineering College
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Head of the Department
Head of the Department
Department of CSE
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Program Name : **M.Tech. in Petroleum Engineering**

Syllabus Revision for the Academic Year 2021-2022

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	20
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	20
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

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
26	I & II	192MC1A06/192MC2A06	Pedagogy Studies	0
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	0
31	III	192ST3O02	Green Building Systems	0
32	III	192ST3O03	Basic Concrete Technology	0
33	III	192ST3O04	Basic Foundation Engineering	0
34	III	192PD3O01	Renewable Energy Technologies	0
35	III	192PD3O02	Hybrid Electric Vehicles	0
36	III	192PD3O03	Energy Audit and conservation Management	0
37	III	192PD3O04	Neural Networks and Fuzzy Logic	0
38	III	192PD3O05	Industrial Safety	0
39	III	192PD3O06	Composite Materials	0
40	III	192TE3O01	Energy Systems	0
41	III	192TE3O02	Fuels and Combustion	0
42	III	192TE3O03	Green Engineering Technology	0
43	III	192TE3O04	IC Engines	0
44	III	192TE3O05	Automotive Technology	0
45	III	192ES3O01	Embedded System Design	0
46	III	192ES3O02	Digital System Design	0
47	III	192ES3O03	Programming Languages for	0
48	III	192ES3O04	Sensors & Actuators	0
49	III	192VD3O01	Physical Design Automation	0
50	III	192VD3O02	VLSI Technology	0
51	III	192VD3O03	Nano-electronics	0
52	III	192CS3O01	Python Programming (CSE)	0
53	III	192CS3O02	Principles of Cyber Security	0
54	III	192CS3O03	Internet of Things	0
55	III	192CS3O04	Machine Learning	0
56	III	192CS3O05	Artificial Intelligence	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
57	III	192CS3O06	Deep Learning	0
58	III	192PE3O01	Introduction to Petroleum Engineering	0
59	III	192PE3O02	Process Intensification	0
60	III	192PE3O03	Fundamentals of Liquefied Natural Gas	0
61	III	192PE3O04	Subsea Engineering	0
62	III	192PE3O05	Geology	0
63	III	192PE3O06	HSE in Petroleum Industry	0
64	III	192PE3P02	Dissertation-I/ Industrial Project	0
65	IV	192PE4P03	Dissertation-II	0

Total number of courses in the academic year 2021-2022	= 65
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022	= 2
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(2/65)*100$	= 3.07%


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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Program Name : **MASTER OF BUSINESS ADMINISTRATION**

Syllabus Revision for the Academic Year 2021-22

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	0
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.	20
20	II	194MB2O07	Data base Management System.	20
21	I	194MBMOOC1	MOOCs: SWAYAM/NPTEL.	0
22	III	194MB3T12	Strategic Management	0
23	III	194MB3T13	Operations Research	0
24	III	194HR3E01	Leadership and Change Management	0
25	III	194HR3E02	Performance Evaluation and Compensation Management	0
26	III	194HR3E03	Human Capital Management	0
27	III	194HR3E04	Manpower Planning, Recruitment, and Selection	0
28	III	194HR3E02	Investment Analysis and Portfolio Management	0
29	III	194FI3E02	Managing Banks and Financial Institutions	0
30	III	194FI3E03	Financial Markets and Services	0
31	III	194FI3E04	Taxation	0
32	III	194MA3E01	Consumer Behavior	0
33	III	194MA3E02	Retail Management	0
34	III	194MA3E03	Strategic Marketing Management	0
35	III	194MA3E04	Digital and Social Media Marketing	0
36	III	194MB3P01	Industrial Project based on Summer Internship	0
37	IV	194MB4T14	Supply Chain Management and Analytics	0

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
38	IV	194MB4T15	Innovation and Entrepreneurship	0
39	IV	194HR4E05	Labour Welfare and employment laws	0
40	IV	194HR4E06	International HRM	0
41	IV	194HR4E07	Employee Relations and Engagement	0
42	IV	194HR4E08	Strategic HRM	0
43	IV	194FI4E05	Financial Derivatives	0
44	IV	194FI4E06	International HRM	0
45	IV	194FI4E07	Risk Management	0
46	IV	194FI4E08	Behavioral Finance	0
47	IV	194MA4E05	Services Marketing	0
48	IV	194MA4E06	Promotional and Distribution Management	0
49	IV	194MA4E07	Green Marketing	0
50	IV	194MA4E08	Global Marketing Management	0
51	IV	194MB4C01	Comprehensive Viva - Voce	0
52	III	194SY3E01	Data Mining for Business Decisions	0
53	III	194SY3E02	Managing Software Projects	0
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	0

Total number of courses in the academic year 2021-22	= 59
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-22	= 02
Percentage of syllabus revision carried out in the academic year 2021-22 = $(02/59)*100$	= 3.3%

K. Meheri

Program Coordinator

N. Uthah

Head of the Department

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


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Program Name : **INTEGRATED MANAGEMENT OF BUSINESS ADMINISTRATION**

Syllabus Revision for the Academic Year 2021-2022

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	195IM1T01	English Language – I	0
2	I	195IM1T02	Business Mathematics & Statistics	0
3	I	195IM1T03	Fundamentals of Business Organization	0
4	I	195IM1T04	Financial Accounting – I	0
5	I	195IM1T05	Fundamentals of Computers	0
6	II	195IM2T06	English Language – II	0
7	II	195IM2T07	Business Environment	0
8	II	195IM2T08	Managerial Economics	0
9	II	195IM2T09	Financial Accounting – II	0
10	II	195IM2T10	Organizational Communications	0
11	III	195IM3T11	Principles of Management	0
12	III	195IM3T12	Cost Accounting	0
13	III	195IM3T13	Banking Theory & Practice	0
14	III	195IM3T14	Business Law	0
15	III	195IM3T15	Entrepreneurship Development	0
16	IV	195IM4T16	Organizational Behavior	0
17	IV	195IM4T17	Management Accounting	0
18	IV	195IM4T18	Company Law	0
19	IV	195IM4T19	Elements of Direct & Indirect Taxes	0
20	IV	195IM4T20	Management Information Systems	0
21	V	195IM5T21	Financial Management	0
22	V	195IM5T22	Marketing Management	0
23	V	195IM5T23	Human Resource Management	0
24	V	195IM5T24	Operations Management	0
25	V	195IM5T25	Business Research Methodology	0
26	VI	195IM6T26	Operations Research	0
27	VI	195IM6T27	International Business	0
28	VI	195IM6T28	Strategic Management	0
29	VI	195IM6T29	Decision Support Systems	0
30	VI	195IM1P01	Summer Internship (6 Weeks)	0
31	VII	175IM7T30	Knowledge Management	0
32	VII	175IM7T31	Strategic Cost Management	0
33	VII	175HR7E01	Human Resource Planning	0
34	VII	175HR7E02	Leadership Management	0
35	VII	175HR7E03	Compensation and Reward Management	0
36	VII	175FI7E01	Security Analysis	0
37	VII	175FI7E02	Banking and Insurance Management	0
38	VII	175FI7E03	Advanced Management Accounting	0
39	VII	175MA7E03	Supply Chain Management	0
40	VII	175SY7E01	E-Business	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
41	VII	175SY7E02	Relational Database Management Systems	0
42	VII	175SY7E03	Web Designing	0
43	VII	175MA7E01	Consumer Behavior	0
44	VII	175MA7E02	Rural Marketing	0
45	VIII	175HR8E05	Strategic Human Resource Management	0
46	VIII	175HR8E06	Organizational Development & Change	0
47	VIII	175IM8T32	Total Quality Management	0
48	VIII	175IM8T33	Project Management	0
49	VIII	175FI8E04	Strategic Financial Management	0
50	VIII	175FI8E05	Portfolio Management	0
51	VIII	175SY8E04	System Analysis & Design	0
52	VIII	175SY8E05	Business Intelligence	0
53	VIII	175SY8E06	Enterprise Resource Planning	0
54	VIII	175FI8E06	Financial Markets and Services	0
55	VIII	175MA8E04	Customer Relationship Management	0
56	VIII	175MA8E05	Strategic Marketing Management	0
57	VIII	175MA8E06	Services Marketing	0
58	VIII	175HR8E04	Performance Management	0
59	IX	175HR9E07	Global Human Resource Management	0
60	IX	175IM9T34	Intellectual Property Rights	0
61	IX	175IM9T35	Corporate Governance	0
62	IX	175HR9E08	Labor Welfare & Legislation	0
63	IX	175HR9E09	Management of Industrial Relations	0
64	IX	175FI9E07	Global Financial Management	0
65	IX	175FI9E08	Risk Management	0
66	IX	175FI9E09	Tax Management	0
67	IX	175MA9E07	Promotion and Distribution Management	0
68	IX	175MA9E08	Global Marketing Management	0
69	IX	175MA9E09	Retail Marketing	0
70	IX	175SY9E07	Cyber Laws & Security	20
71	IX	175SY9E08	Information Systems & Audit	20
72	IX	175SY9E09	SAP	20
73	X	175IMAP02	Major Project	0

Total number of courses in the academic year 2021-2022	= 73
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022	= 3
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(3/73)*100$	= 4.10%

K. Shailaja
Program Coordinator

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Head of the Department
Department of Management Studies
Aditya Engineering College (P)
SURAMPALEM



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Program Name : **Master of Computer Applications**

Syllabus Revision for the Academic Year 2021-2022

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
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	203MC3T11	Machine Learning with Python	0
20	3	203MC3T12	Internet of Things	0
21	3	203MC3T13	Web Technologies	0
22	3	203MC3T14	Cryptography and Network Security	100

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23	3	203MC3E08	Cloud Computing	100
24	3	203MC3L07	Machine Learning with Python Lab	0
25	3	203MC3L08	IoT Lab	100
26	3	203MC3L09	Web Technologies Lab	100
27	3	203MC3P02	Internship / Industry Oriented Mini Project/ Skill Development Course	0
28	4	203MC4E13	Deep Learning	100
29	4	203MC4E18	Big Data Analytics	100
30	4	203MC4P03	Project Work/ Dissertation	80

Total number of courses in the academic year 2021-2022	= 30
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2021-2022	=12
Percentage of syllabus revision carried out in the academic year 2021-2022 = $(12/30)*100$	=40.00


Program Coordinator


Head of the Department
Head of the Department
Department of MCA
Aditya Engineering College


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