

ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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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 2019-20

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Syllabus Revision carried out during the academic year 2019- 20

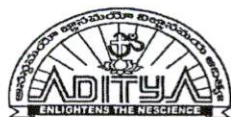
S.No	Program Code	Programme Name	% Revision carried
1	01	B. Tech. Civil Engineering	31.57
2	02	B. Tech. Electrical and Electronics Engineering	34.09
3	03	B. Tech. Mechanical Engineering	31.76
4	04	B. Tech. Electronics and Communication Engineering	34.5
5	05	B. Tech. Computer Science and Engineering	32.22
6	12	B. Tech. Information Technology	40.86
7	26	B. Tech. Mining Engineering	44.31
8	27	B. Tech. Petroleum Technology	18.6
9	35	B. Tech Agricultural Engineering	32.55
10	87	M. Tech. (Structural Engineering)	55.55
11	52	M. Tech. (Power Electronics and Drives)	66.66
12	21	M. Tech. (Thermal Engineering)	50
13	72	M. Tech. (VLSI Design)	72.2
14	58	M. Tech. (Computer Science & Engineering)	74.29
15	8	M. Tech. (Petroleum Engineering)	52.94
16	55	M. Tech. (Embedded Systems)	77.7
17	25	M. Tech. (Software Engineering)	80.48
18	1E	MBA	25.4
19	1M	IMBA	48
20	1F	MCA	14


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Program Name : B.Tech. in Civil Engineering

Syllabus Revision for the Academic Year 2019-2020

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	191HS1T01	Communicative English	90
2	I	191BS1T01	Differential Equations and Linear Algebra	20
3	I	191BS1T02	Engineering Physics	60
4	I	191ES1T01	Programming for Problem Solving Using C	10
5	I	191HS1L01	Communicative English Lab-I	5
6	I	191BS1L01	Engineering Physics Lab	60
7	I	191ES1L01	Programming for Problem Solving Using C Lab	10
8	I	191ES1L02	Basic Engineering Workshop	55
9	I	191MC1A01	Environmental Science	25
10	I	191MC1A02	Constitution of India	100
11	II	191BS2T05	Partial Differential Equations and Vector Calculus	40
12	II	191BS2T06	Chemistry of Materials	70
13	II	191ES2T02	Engineering Graphics and Design	55
14	II	191ES2T03	Essential Electrical and Electronics Engineering	10
15	II	191ES2T04	Engineering Mechanics	15
16	II	191HS2L02	Communicative English Lab- II	0
17	II	191BS2L04	Engineering Chemistry Lab	50
18	II	191ES2L03	Essential Electrical and Electronics Engineering Lab	100

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19	II	191ES2L04	Civil Engineering Workshop	100
20	II	191PR2P01	Engineering Exploration Project	100
21	III	171BS3T10	Probability and Statistics	25
22	III	171ES3T05	Basic Electrical and Electronics Engineering	0
23	III	171ES3T09	Strength of Materials - I	0
24	III	171CE3T01	Building Materials and Construction	0
25	III	171CE3T02	Surveying	0
26	III	171CE3T03	Fluid Mechanics	0
27	III	171CE3L01	Surveying Lab	0
28	III	171ES3L03	Strength of Materials Lab	0
29	III	171HS3A09	Professional Ethics and Human Values	0
30	III	171HS3A10	Employability Skills - I	0
31	IV	171CE4T04	Building Planning and Computer Aided Drawing	0
32	IV	171CE4T05	Concrete Technology	0
33	IV	171CE4T06	Engineering Geology	0
34	IV	171CE4T07	Hydraulics and Hydraulic Machinery	0
35	IV	171CE4T08	Strength of Materials – II	0
36	IV	171CE4T09	Structural Analysis - I	0
37	IV	171CE4L02	Fluid Mechanics and Hydraulic Machinery Lab	0
38	IV	171CE4L03	Concrete Technology Lab	10
39	IV	171HS4A08	Intellectual property rights and patents	0
40	IV	171HS4A11	Employability Skills - II	0
41	IV	171HS4A04	Managerial Economics and Financial Analysis	0
42	V	171HS5T05	Management Science	20
43	V	171CE5T10	Design and Drawing of Reinforced Concrete Structures	0

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44	V	171CE5T11	Transportation Engineering	32
45	V	171CE5T12	Structural Analysis - II	0
46	V	171CE5T13	Water Resource Engineering - I	17
47	V	171CE5E01	(PE I) Construction Technology and Management	33
48	V	171CE5E02	Urban Hydrology	0
49	V	171CE5E03	Traffic Engineering	17
50	V	171HS5T06	Employability Skills - III	100
51	V	171CE5L04	Engineering Geology Lab	25
52	V	171CE5L05	Transportation Engineering Lab	20
53	V	171CE5S01	MOOCs – I	100
54	V	171CE5P03	Surveying Camp	100
55	VI	171CE6T14	Design and Drawing of Steel Structures	0
56	VI	171CE6T15	Geotechnical Engineering - I	33
57	VI	171CE6T16	Water Resource Engineering - II	0
58	VI	171CE6T17	Prestressed Concrete	0
59	VI	171CE6E04	PE II Ground Water Development	0
60	VI	171CE6E05	Pavement Analysis and Design	17
61	VI	171CE6E06	Repair and Rehabilitation of Structures	0
62	VI	171CE6E07	PE III Ground Improvement Techniques	0
63	VI	171CE6E08	Finite Element Methods	17
64	VI	171CE6E09	Earthquake Resistant Design	0
65	VI	171HS6T07	Employability Skills - IV	100
66	VI	171CE6L06	Geotechnical Engineering Lab	20
67	VI	171CE6L07	Irrigation Design and Drawing	0
68	VI	171CE6S02	MOOCs - II	100

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69	VII	R1641011	Environmental Engineering - II	0
70	VII	R1641012	Water Resource Engineering - II	0
71	VII	R1641013	Geotechnical Engineering - II	0
72	VII	R1641014	Remote Sensing & GIS Applications	0
73	VII	R164101A	Finite Element Methods(Elective I)	0
74	VII	R164101B	Ground Improvement Techniques	0
75	VII	R164101C	Air Pollution & Control	0
76	VII	R164101D	Urban Hydrology	0
77	VII	R164101E	Traffic Engineering	0
78	VII	R164101F	Advanced Structural Engineering(Elective II)	0
79	VII	R164101G	Advanced Foundation Engineering	0
80	VII	R164101H	Environmental Impact Assessment & Management	0
81	VII	R164101I	Ground Water Development	0
82	VII	R164101J	Pavement Analysis and Design	0
83	VII	R1641019	IPR & Patents	0
84	VII	R1641017	GIS & CAD Lab	0
85	VII	R1641018	Irrigation Design & Drawing	100
86	VIII	R1642011	Estimation Specification & Contracts	0
87	VIII	R1642012	Construction Technology & Management	0
88	VIII	R1642013	Prestressed Concrete	0
89	VIII	R164201A	Bridge Engineering (Elective III)	0
90	VIII	R164201B	Soil Dynamics and Foundations	100
91	VIII	R164201C	Solid and Hazardous Waste Management	0
92	VIII	R164201D	Water Resources Systems Planning	0
93	VIII	R164201E	Urban Transportation Planning Engineering	0


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94	VIII	R1642015	Seminar on Internship Project	100
95	VIII	R1642016	Project	0
Total number of courses in the academic year 2019-2020				= 95
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				= 30
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(30/95)*100$				= 31.57 %

Program Coordinator

Head of the Department

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

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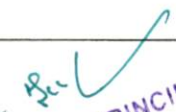
Program Name : **B.Tech. in Electrical and Electronics Engineering**

Syllabus Revision for the Academic Year 2019-2020

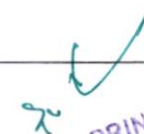
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	191HS1T01	Communicative English	90
2	I	191BS1T01	Differential Equations and Linear Algebra	20
3	I	191BS1T04	Engineering Chemistry	80
4	I	191ES1T01	Programming for Problem Solving Using C	10
5	I	191HS1L01	Communicative English Lab-I	5
6	I	191BS1L02	Engineering Chemistry Lab	60
7	I	191ES1L01	Programming for Problem Solving Using C Lab	10
8	I	191ES1L02	Basic Engineering workshop	50
9	I	191MC1A01	Environmental Science	25
10	I	191MC1A02	Constitution of India	100
11	II	191BS2T05	Partial Differential Equations and Vector Calculus	40
12	II	191BS2T07	Applied Physics	40
13	II	191ES2T05	Data Structures Through C	100
14	II	191EE2T01	Electrical Circuits Analysis -I	15
15	II	191ES2T06	Basic Civil and Mechanical Engineering	100
16	II	191HS2L02	Communicative English Lab-II	0
17	II	191BS2L05	Applied Physics Lab	40
18	II	191ES2L05	Basic Civil and Mechanical Engineering Lab	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	II	191ES2L06	Electrical Engineering Workshop	100
20	II	191PR2P01	Engineering Exploration Project	100
21	III	171EE3T02	Electrical Circuit Analysis - II	0
22	III	171EE3T03	Electrical Machines – I	0
23	III	171EE3T04	Basic Electronics Devices and Circuits	0
24	III	171EE3T05	Electromagnetic Fields	0
25	III	171ES3T10	Thermal and Hydro Prime Movers	0
26	III	171HS3T04	Managerial Economics and Financial Analysis	0
27	III	171ES3L04	Thermal and Hydro Prime Movers Lab	0
28	III	171EE3L01	Electrical Circuits Lab	0
29	III	171HS3A09	Professional Ethics and Human Values	0
30	III	171HS3A10	Employability Skills - I	0
31	IV	171EE4T06	Electrical Measurements	0
32	IV	171EE4T07	Electrical Machines - II	0
33	IV	171ES4T24	Digital Circuits and Logic Design	0
34	IV	171EE4T08	Control Systems	0
35	IV	171EE4T09	Power Systems – I	0
36	IV	171HS4T05	Management Science	0
37	IV	171EE4L02	Electronic Devices and Circuits Lab	0
38	IV	171EE4L03	Electrical Machines - I Lab	0
39	IV	171HS4A11	Employability Skills - II	0
40	V	171EE5T10	Power Systems – II	10


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
41	V	171EE5T11	Power Electronics	15
42	V	171EE5T12	Pulse and Digital Circuits	15
43	V	171EE5T13	Signals and Systems	25
44	V	171EE5E01	Renewable Energy Sources	10
45	V	171EE5E02	Modeling and Analysis of Electrical Machines	0
46	V	171EE5E03	Electrical Safety	100
47	V	171HS5T08	Intellectual Property Rights and Patents	5
48	V	171HS5T06	Employability Skills - III	100
49	V	171EE5L04	Electrical Measurements Lab	0
50	V	171EE5L05	Electrical Machines - II Lab	10
51	V	171EE5L06	Control Systems Lab	20
52	V	171EE5S01	MOOCs - I	100
53	VI	171EE6T14	Power Electronic Controllers and Drives	5
54	VI	171EE6T15	Power System Analysis	10
55	VI	171EE6T16	Micro Processor and Micro Controllers	30
56	VI	171EE6T17	Data Structures	15
57	VI	171EE6E04	Computer Architecture	100
58	VI	171EE6E05	Electrical Distribution Systems	0
59	VI	171EE6E06	Distributed Generation and Microgrid	100
60	VI	171EE6E07	Advanced Control Systems	0
61	VI	171EE6E08	PLC and Applications	0
62	VI	171EE6E09	Instrumentation	0

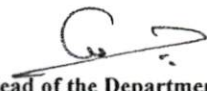

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
64	VI	171HS6T07	Employability Skills - IV	100
65	VI	171EE6L07	Data Structures Lab	0
66	VI	171EE6L08	Power Electronics Lab	20
67	VI	171EE6S02	MOOCs - II	100
68	VII	R1641021	Utilization of Electrical Energy	0
69	VII	R1641022	Linear IC Applications	0
70	VII	R1641023	Power System Operation & Control	15
71	VII	R1641024	Switchgear and Protection	0
72	VII	R164102A	Electrical Machine Modeling and Analysis	100
73	VII	R164102B	Advanced Control Systems	0
74	VII	R164102C	Programmable Logic Controllers and Applications	100
75	VII	R164102D	Instrumentation	0
76	VII	R164102E	Optimization Techniques	30
77	VII	R164102F	Electric Power Quality	0
78	VII	R164102G	Special Electrical Machines	0
79	VII	R1641027	Electrical Simulation Laboratory	0
80	VII	R1641028	Power Systems lab	0
81	VIII	R1642021	Digital Control Systems	0
82	VIII	R1642022	HVDC Transmission	100
83	VIII	R1642023	Electrical Distribution Systems	0
84	VIII	R164202A	High Voltage Engineering	0
85	VIII	R164202B	Flexible Alternating Current Transmission Systems	0

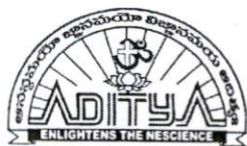
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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
87	VIII	R1642025	Seminar	0
88	VIII	R1642026	Project	0
Total number of courses in the academic year 2019-2020				= 88
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				= 30
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(30/88) \times 100$				= 34.09%


Program Coordinator


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


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Program Name : B.Tech. in Mechanical Engineering

Syllabus Revision for the Academic Year 2019-2020

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	191HS1T01	Communicative English	90
2	I	191BS1T01	Differential Equations and Linear Algebra	20
3	I	191BS1T02	Engineering Physics	60
4	I	191ES1T01	Programming for problem solving using C	0
5	I	191HS1L01	Communicative English Lab-I	0
6	I	191BS1L01	Engineering Physics Lab	60
7	I	191ES1L01	Programming for problem solving using C Lab	0
8	I	191ES1L02	Basic Engineering Workshop	72
9	I	191MC1A01	Environment Science	50
10	I	191MC1A02	Constitution of India	100
11	II	191BS2T05	Partial Differential equations and vector calculus	40
12	II	191BS2T06	Chemistry of Materials	70
13	II	191ES2T02	Engineering Graphics and design	45
14	II	191ES2T03	Essential Electrical and Electronics Engineering	0
15	II	191ES2T04	Engineering Mechanics	20
16	II	191HS2L02	Communicative English Lab-II	0
17	II	191BS2L04	Engineering Chemistry Lab	50

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
18	II	191ES2L03	Essential Electrical and Electronics Engineering Lab	0
19	II	191ES2L07	Mechanical Engineering Workshop	100
20	II	191PR2P01	Engineering Exploration Project	100
21	III	171ES3T13	Metallurgy & Materials Science	0
22	III	171ES3T11	Mechanics of Solids	0
23	III	171ES3T12	Thermodynamics	0
24	III	171HS3T04	Managerial Economics and Financial Analysis	0
25	III	171ES3T14	Fluid Mechanics & Hydraulic Machinery	0
26	III	171ME3T01	Computer Aided Engineering Drawing Practice	0
27	III	171ES3L05	Basic Electrical And Electronics Engg. Lab	0
28	III	171ES3L06	Mechanics of Solids and Metallurgy Lab	0
29	III	171HS3A09	Professional Ethics & Human Values	0
30	III	171HS3A10	Employability skills-I	0
31	IV	171ME4T02	Kinematics of Machinery	0
32	IV	171ME4T03	Thermal Engineering -I	0
33	IV	171ME4T04	Production Technology	0
34	IV	171ME4T05	Design of Machine members-I	0
35	IV	171ME4T06	Industrial Engineering and Management	0
36	IV	171ME4T07	Machine Drawing	0
37	IV	171HS4T08	Intellectual Property rights and patents <i>sub</i>	0
38	IV	171ME4L01	Production Technology Lab	0

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
39	IV	171ES4L07	Fluid mechanics and Hydraulic Machinery Lab	0
40	IV	171HS4A11	Employability Skills -II	0
41	V	171ME5T08	Dynamics of Machinery	0
42	V	171ME5T09	Metal Cutting and Machine Tools	0
43	V	171ME5T10	Thermal Engineering -II	0
44	V	171ME5T11	Design of Machine members-II	20
45	V	171ME5T12	Operations Research	0
46	V	171ME5E01	Automobile Engineering	36
47	V	171ME5E02	Mechanical Vibrations	100
48	V	171ME5E03	Additive Manufacturing	0
49	V	171HS5T06	Employability Skills -III	100
50	V	171ME5L02	Theory of Machines Lab	0
51	V	171ME5L03	Thermal Engineering Lab	28
52	V	171ME5S01	MOOCS-I	0
53	VI	171ME6T13	Heat Transfer	0
54	VI	171ME6T14	Refrigeration and Air Conditioning	0
55	VI	171ME6T15	Metrology and Instrumentation	48
56	VI	171ME6E04	Robotics	0
57	VI	171ME6E05	Design for Manufacturing	0
58	VI	171ME6E06	Non Destructive Evaluation	20
59	VI	171ME6E07	Unconventional Machining Processes	0

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
60	VI	171ME6E08	Industrial Hydraulics and Pnuematics	15
61	VI	171ME6E09	Quality & Reliability Engineering	0
62	VI	171HS6T07	Employability Skills-IV	100
63	VI	171ME6L04	Machine Tools Lab	20
64	VI	171ME6L05	Heat Transfer Lab	0
65	VI	171ME6L06	Metrology & Instrumentation Lab	24
66	VI	171ME6S02	MOOCS-II	0
67	VII	R1641031	Mechatronics	0
68	VII	R1641032	CAD/CAM	0
69	VII	R1641033	Finite Element Methods	0
70	VII	R1641034	Power Plant Engineering	0
71	VII	R164103A	Computational Fluid Dynamics	0
72	VII	R164103B	Condition Monitoring	0
73	VII	R164103C	Additive Manufacturing	0
74	VII	R164103D	Advanced Materials	0
75	VII	R164103E	Design for Manufacture	0
76	VII	R164103F	Gas Dynamics and Jet Propulsion	0
77	VII	R1641037	CAD/CAM Lab	20
78	VII	R1641038	Mechatronics Lab	100
79	VIII	R1642031	Production Planning and Control	0
80	VIII	R1642032	Unconventional Machining Processes	0

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
81	VIII	R1642033	Automobile Engineering	0
82	VIII	R164203A	Thermal Equipment Design	100
83	VIII	R164203B	Non Destructive Evaluation	16
84	VIII	R164203C	Quality & Reliability Engineering	0
85	VIII	R1642036	Project	0
Total number of courses in the academic year 2019-2020				= 85
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				= 27
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(49/135) \times 100$				= 31.76


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 Engineering College
SURAMPALEM



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

Syllabus Revision for the Academic Year 2019-20

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	191HS1T01	Communicative English	90
2	I	191BS1T01	Differential Equations and Linear Algebra	20
3	I	191BS1T03	Applied Physics	40
4	I	191ES1T01	Programming for Problem Solving Using C	20
5	I	191HS1L01	Communicative English Lab-I	0
6	I	191BS1L03	Applied Physics Lab	60
7	I	191ES1L01	Programming for Problem Solving Using C Lab	35
8	I	191ES1L02	Basic Engineering Workshop	50
9	I	191MC1A01	Environmental Science	33
10	I	191MC1A02	Constitution of India	100
11	II	191BS2T08	Transform Techniques	60
12	II	191BS2T09	Engineering Chemistry	80
13	II	191ES2T02	Engineering Graphics and Design	55
14	II	191ES2T07	Basic Electrical Engineering	60
15	II	191ES2T08	Network Analysis	10
16	II	191HS2L02	Communicative English Lab-II	0
17	II	191BS2L04	Engineering Chemistry Lab	50
18	II	191ES2L08	Basic Electrical Engineering Lab	6
19	II	191ES2L09	Electronics Engineering Workshop	100
20	II	191PR2P01	Engineering Exploration Project	100
21	III	171EC3T01	Electronic Devices and Circuits	0
22	III	171EC3T02	Switching Theory and Logic Design	0
23	III	171EC3T03	Signals and Systems	0
24	III	171ES3T15	Network Analysis	0
25	III	171EC3T04	Random Variables and Stochastic Processes	0
26	III	171HS3T04	Managerial Economics and Financial Analysis	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
27	III	171EC3L01	Electronic Devices and Circuits Lab	0
28	III	171ES3L08	Networks and Electrical Technology Lab	0
29	III	171HS3A09	Professional Ethics and Human Values	0
30	III	171HS3A10	Employability Skills – I	0
31	IV	171EC4T05	Electronic Circuit Analysis	0
32	IV	171EC4T06	Electromagnetic Waves and Transmission Lines	0
33	IV	171EC4T07	Analog Communications	0
34	IV	171EC4T08	Pulse and Digital Circuits	0
35	IV	171HS4T05	Management Science	0
36	IV	171ES4T28	Linear Control Systems	0
37	IV	171HS4T08	IPR and Patents	0
38	IV	171EC4L02	Electronic Circuit Analysis Lab	0
39	IV	171EC4L03	Analog Communications Lab	0
40	IV	171HS4A11	Employability Skills – II	0
41	V	171EC5T09	Linear IC Applications	4
42	V	171EC5T10	Digital IC Applications	0
43	V	171EC5T11	Digital Communications	0
44	V	171EC5T12	Antennas and Wave Propagation	0
45	V	171EC5E01	Computer Architecture and Organization	35
46	V	171EC5E02	OOPS through JAVA	0
47	V	171EC5E03	Electronic Switching Systems	0
48	V	171HS5T06	Employability Skills - III	100
49	V	171EC5L04	Linear IC Applications Lab	6.6
50	V	171EC5L05	Digital IC Applications Lab	0
51	V	171EC5L06	Pulse and Digital Circuits Lab	13.33
52	VI	171EC6T13	Micro Processors and MicroControllers	0
53	VI	171EC6T14	VLSI Design	32
54	VI	171EC6T15	Digital Signal Processing	16.6
55	VI	171EC6E04	CPLD and FPGA Architectures	100
56	VI	171EC6E05	Operating Systems	16.6
57	VI	171EC6E06	Computer Networks	16.6
58	VI	171EC6E07	Digital Design Through Verilog	0
59	VI	171EC6E08	Biomedical Engineering	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
60	VI	171EC6E09	Information Theory and Coding	100
61	VI	171HS6T07	Employability Skills - IV	100
62	VI	171EC6L07	Micro Processor and Micro Controllers Lab	0
63	VI	171EC6L08	VLSI lab	66.6
64	VI	171EC6L09	Digital Communications Lab	20
65	VII	R1641041	Radar Systems	0
66	VII	R1641042	Digital Image Processing	50
67	VII	R1641043	Computer Networks	18
68	VII	R1641044	Optical Communications	0
69	VII	R164104A	TV Engineering	100
70	VII	R164104B	Electronic Switching Systems	12
71	VII	R164104C	System Design through Verilog	100
72	VII	R164104D	Embedded Systems	5
73	VII	R164104E	Analog IC Design	0
74	VII	R164104F	Network Security & Cryptography	18
75	VII	R1641047	Micro Wave Engineering & Optical Lab	18
76	VII	R1641048	Digital Signal Processing Lab	60
77	VIII	R1642041	Cellular Mobile Communications	10
78	VIII	R1642042	Electronic Measurements and Instrumentation	0
79	VIII	R1642043	Satellite Communications	0
80	VIII	R164204A	Wireless sensors & Networks	0
81	VIII	R164204B	Digital IC Design	0
82	VIII	R164204C	Operating Systems	15
83	VIII		Seminar	0
84	VIII		Project	0

Total number of courses in the academic year 2019-20	= 84
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-20	29
Percentage of syllabus revision carried out in the academic year 2019-20 = $(29/84) \times 100$	34.5

A Kaul
Program Coordinator

PRINCIPAL
Aditya Engineering College
SURAMPALE
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 2019-2020				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	191HS1T01	Communicative English	0
2	I	191BS1T01	Differential Equations and Linear Algebra	0
3	I	191BS1T03	Applied Physics	60
4	I	191ES1T01	Programming For Problem Solving Using C	0
5	I	191HS1L01	Communicative English Lab -I	0
6	I	191BS1L03	Applied Physics Lab	0
7	I	191ES1L01	Programming For Problem Solving Using C Lab	0
8	I	191ES1L02	Basic Engineering Workshop	0
9	I	191MC1A01	Environmental Science	0
10	I	191MC1A02	Constitution of India	100
11	II	191BS2T09	Engineering Chemistry	0
12	II	191BS2T10	Numerical Methods and Complex Variables	40
13	II	191ES2T02	Engineering Graphics and Design	0
14	II	191ES2T03	Essential Electrical and Electronics Engineering	100
15	II	191ES2T09	Data Structures through C++	100
16	II	191HS2L02	Communicative English Lab-II	100
17	II	191BS2L04	Engineering Chemistry Lab	0
18	II	191ES2L10	Data Structures Through C++ Lab	0
19	II	191ES2L11	IT Workshop	0
20	II	191PR2P01	Engineering Exploration Project	100
21	III	171BS3T08	Mathematical Foundations of Computer Science	0
22	III	171ES3T23	Digital Logic Design	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
23	III	171CS3T02	Statistics with R Programming	0
24	III	171CS3T03	Object Oriented Programming Through C++	0
25	III	171HS3T04	Managerial Economics & Financial Analysis	0
26	III	171CS3T04	Advanced Data Structures	0
27	III	171CS3L01	Object Oriented Programming Lab	0
28	III	171CS3L02	Advanced Data Structures Lab	0
29	III	171HS3A10	Employability Skills – I	0
30	III	171HS3A09	Professional Ethics & Human Values	0
31	IV	171CS4T05	Software Engineering	0
32	IV	171CS4T06	Formal Languages & Automata Theory	0
33	IV	171CS4T07	Java Programming	0
34	IV	171CS4T08	Database Management Systems	0
35	IV	171CS4T09	Principles of Programming Languages	0
36	IV	171CS4T10	Computer Organization	0
37	IV	171CS4L03	Java Programming Lab	0
38	IV	171CS4L04	Database Management Systems Lab	0
39	IV	171HS4A11	Employability Skills – II	0
40	IV	171HS4A08	IPR & Patents	0
41	V	171CS5T11	Compiler Design	0
42	V	171CS5T12	Python Programming	0
43	V	171CS5T13	Design & Analysis of Algorithms	0
44	V	171CS5T14	Operating Systems	0
45	V	171CS5E01	Unix and Shell Programming	0
46	V	171CS5E02	Advanced Computer Architecture	100
47	V	171CS5E03	Computer Graphics	0
48	V	171CS5E04	Software Testing Methodologies	80
49	V	171HS5T06	Employability Skills – III	100

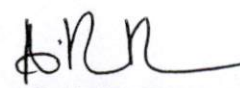
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
50	V	171CS5L05	Operating System and Linux Lab	0
51	V	171CS5L06	Python Programming Lab	0
52	V	171CS5L07	Software Testing Lab	0
53	V	171CS5L08	Compiler Design Lab	0
54	V	171CS5S01	MOOCs – I	100
55	VI	171CS6T15	Computer Networks	0
56	VI	171CS6T16	Web Technologies	0
57	VI	171CS6T17	Data Ware Housing and Data Mining	0
58	VI	171CS6E05	Software Quality Assurance	100
59	VI	171CS6E06	Bio Informatics	100
60	VI	171CS6E07	Human Computer Interaction	100
61	VI	171CS6E08	Social Networks and Semantic Web	100
62	VI	171CS6E09	Pattern Recognition	100
63	VI	171CS6E10	Parallel Computing	100
64	VI	171CS6E11	Storage Area Networks	100
65	VI	171CS6E12	E - Commerce	100
66	VI	171HS6T07	Employability Skills – IV	100
67	VI	171CS6L09	Computer Networks Lab	0
68	VI	171CS6L10	Data Ware Housing and Data Mining Lab	0
69	VI	171CS6L11	Web Technologies Lab	0
70	VI	171CS6S02	MOOCs – II	100
71	VII	R1641051	Cryptography and Network Security	0
72	VII	R1641052	Software Architecture & Design Patterns	100
73	VII	R1641053	Web Technologies	0
74	VII	R1641054	Managerial Economics and Financial Analysis	100
75	VII	R1641057	Software Architectures & Design Patterns Lab	100


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
76	VII	R1641058	Web Technologies Lab	0
77	VII	R164105A	Big Data Analysis	100
78	VII	R164105B	Information Retrieval Systems	100
79	VII	R164105C	Mobile Computing	0
80	VII	R164105D	Cloud Computing	0
81	VII	R164105E	Software Project Management	0
82	VII	R164105F	Scripting Languages	100
83	VIII	R1642051	Distributed Systems	0
84	VIII	R1642052	Management Science	0
85	VIII	R1642053	Machine Learning	0
86	VIII	R1642055	Seminar	0
87	VIII	R1642056	Project	0
88	VIII	R164205A	Concurrent and Parallel Programming	100
89	VIII	R164205B	Artificial Neural Network	100
90	VIII	R164205C	Operation Research	100

Total number of courses in the academic year 2019-2020	= 90
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020	= 29
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(29/90) \times 100$	= 32.22%


Program Coordinator


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

Syllabus Revision for the Academic Year 2019-2020

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	191HS1T01	Communicative English	0
2	I	191BS1T01	Differential Equations and Linear Algebra	0
3	I	191BS1T03	Applied Physics	60
4	I	191ES1T01	Programming For Problem Solving Using C	0
5	I	191HS1L01	Communicative English Lab -I	0
6	I	191BS1L03	Applied Physics Lab	0
7	I	191ES1L01	Programming For Problem Solving Using C Lab	0
8	I	191ES1L02	Basic Engineering Workshop	0
9	I	191MC1A01	Environmental Science	0
10	I	191MC1A02	Constitution of India	100
11	II	191BS2T10	Numerical Methods and Complex Variables	40
12	II	191BS2T09	Engineering Chemistry	0
13	II	191ES2T02	Engineering Graphics and Design	0
14	II	191ES2T03	Essential Electrical and Electronics Engineering	100
15	II	191ES2T09	Data Structures through C++	100
16	II	191HS2L02	Communicative English Lab-II	0
17	II	191BS2L04	Engineering Chemistry Lab	0
18	II	191ES2L10	Data Structures Through C++ Lab	100
19	II	191ES2L11	IT Workshop	0
20	II	191PR2P01	Engineering Exploration Project	100
21	III	171BS3T08	Mathematical Foundations of Computer Science	0
22	III	171ES3T23	Digital Logic Design	0
23	III	171CS3T02	Statistics with R Programming	0
24	III	171CS3T03	Object Oriented Programming through C++	0
25	III	171HS3T04	Managerial Economics & Financial Analysis	0
26	III	171CS3T04	Advanced Data Structures	0
27	III	171CS3L01	Object Oriented Programming Lab	0
28	III	171CS3L02	Advanced Data Structures Lab	0
29	III	171HS3A10	Employability Skills – I	0
30	III	171HS3A09	Professional Ethics & Human Values	0
31	IV	171CS4T05	Software Engineering	0
32	IV	171IT4T01	Language Processors	0
33	IV	171CS4T07	Java Programming	0
34	IV	171CS4T08	Database Management Systems	0
35	IV	171HS4T05	Management Science	0
36	IV	171CS4T10	Computer Organization	0

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37	IV	171CS4L03	Java Programming Lab	0
38	IV	171CS4L04	Database Management Systems Lab	0
39	IV	171HS4A11	Employability Skills – II	0
40	IV	171HS4A08	IPR & Patents	0
41	V	171IT5T02	Computer Networks	100
42	V	171CS5T12	Python Programming	0
43	V	171IT5T03	Unix and Shell Programming	0
44	V	171CS5T14	Operating Systems	0
45	V	171IT5E01	Artificial Intelligence	100
46	V	171CS5E02	Advanced Computer Architecture	100
47	V	171CS5E03	Computer Graphics	0
48	V	171CS5E04	Software Testing Methodologies	80
49	V	171HS5T06	Employability Skills – III	100
50	V	171IT5L01	Operating Systems and Computer Networks Lab	60
51	V	171CS5L06	Python Programming Lab	0
52	V	171CS5L07	Software Testing Lab	0
53	V	171IT5L02	Unix and Shell Programming Lab	0
54	V	171IT5S01	MOOCs – I	100
55	VI	171IT6T04	Object Oriented Analysis and Design Using UML	0
56	VI	171CS6T16	Web Technologies	0
57	VI	171CS6T17	Data Warehousing and Data Mining	0
58	VI	171CS6E05	Software Quality Assurance	100
59	VI	171IT6E02	Neural Networks	100
60	VI	171CS6E08	Social Networks and Semantic Web	100
61	VI	171IT6E03	Design and Analysis of Algorithms	100
62	VI	171IT6E04	Advanced Computer Networks	100
63	VI	171CS6E10	Parallel Computing	100
64	VI	171IT6E05	Multimedia Programming	100
65	VI	171CS6E12	E – Commerce	100
66	VI	171HS6T07	Employability Skills – IV	100
67	VI	171IT6L03	Unified Modeling Language Lab	100
68	VI	171CS6L10	Data Warehousing and Data Mining Lab	0
69	VI	171CS6L11	Web Technologies Lab	0
70	VI	171IT6S02	MOOCs – II	100
71	VII	R1641051	Cryptography and Network Security	0
72	VII	R164105C	Mobile Computing	0
73	VII	R1641121	Data Warehousing and Business Intelligence	100
74	VII	R1641054	Managerial Economics and Financial Analysis	0
75	VII	R164105A	Big Data Analytics	100
76	VII	R164105B	Information Retrieval Systems	100
77	VII	R164112A	Internet of Things	100
78	VII	R164112B	Multimedia Programming	100
79	VII	R164105D	Cloud Computing	0
80	VII	R164105E	Software Project Management	0
81	VII	R164112C	Machine Learning	100
82	VII	R164112D	Decision Support System	100
83	VII	R1641127	Mobile Computing Lab	100
84	VII	R1641128	Cryptography and Network Security Lab	100

85	VIII	R1642051	Distributed Systems	0
86	VIII	R1642052	Management Science	0
87	VIII	R1642121	Management Information System	100
88	VIII	R164205A	Concurrent and Parallel Programming	0
89	VIII	R164212A	Cyber Security	100
90	VIII	R164205B	Artificial Neural Networks	100
91	VIII	R164212B	Software Quality Assurance	100
92	VIII	R1642055	Seminar	0
93	VIII	R1642056	Project	0
Total number of courses in the academic year 2019-2020				= 93
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				38
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(49/135) \times 100$				= 40.86%
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  Program Coordinator </div> <div style="text-align: center;">  Head of the Department </div> </div>				

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 2019-2020

S.No	Semester	Course Code	Course Name	% of content revised for the
1	1	191HS1T01	Communicative English	90
2	1	191BS1T01	Differential Equations and Linear Algebra	20
3	1	191BS1T02	Engineering Physics	60
4	1	191ES1T01	Programming for Problem Solving Using C	0
5	1	191HS1L01	Communicative English Lab-I	0
6	1	191BS1L01	Engineering Physics Lab	60
7	1	191ES1L01	Programming for Problem Solving Using C Lab	10
8	1	191ES1L02	Basic Engineering Workshop	20
9	1	191MC1A01	Environmental Science	25
10	1	191MC1A02	Constitution of India	100
11	2	191BS2T05	Partial Differential Equations and Vector Calculus	40
12	2	191BS2T06	Chemistry of Materials	70
13	2	191ES2T02	Engineering Graphics and Design	20
14	2	191ES2T03	Essential Electrical and Electronics Engineering	20
15	2	191ES2T04	Engineering Mechanics	20
16	2	191HS2L02	Communicative English Lab-II	0
17	2	191BS2L04	Engineering Chemistry Lab	50
18	2	191ES2L03	Essential Electrical and Electronics Engineering Lab	5
19	2	191ES2L12	Mining Engineering Workshop	100
20	2	191PR2P01	Engineering Exploration Project	100
21	3	171MI3T01	Introduction To Mining Technology	0
22	3	171MI3T02	Basic Mechanical Engineering For Mines	0
23	3	171BS3T10	Probability and Statistics	0
24	3	171ES3T22	Material Engineering	0
25	3	171MI3T03	Mining Geology-I	0
26	3	171ME3T01	Computer Aided Engineering Drawing Practice	0
27	3	171ES3L12	Electrical and Electronics Lab	0
28	3	171ES3L13	Basic Mechanical Engineering Lab	0
29	3	171HS3A09	Professional Ethics and Human Values	0
30	3	171HS3A10	Employability Skills-I	0
31	4	171ES4T27	Kinematics Of Machinery	0
32	4	171MI4T04	Computer Application In Mining	0
33	4	171MI4T05	Mining Geology -II	0
34	4	171MI4T06	Mine Surveying - I	0
35	4	171MI4T07	Surface Mining	0
36	4	171MI4T08	Fundamentals of Rock Mechanics	0
37	4	171MI4L01	Geology Lab	0
38	4	171MI4L02	Computer Application In Mining Lab	0
39	4	171HS4A08	Intellectual Property Rights and Patents	0
40	4	171HS4A11	Employability Skills-II	0
41	5	171MI5T09	Under Ground Coal Mining Technology	0
42	5	171MI5T10	Mine Environment Engineering - I	10

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43	5	171MI5T11	Basic Geo Mechanics	50
44	5	171MI5T12	Mine Surveying - II	10
45	5	171HS5T04	Managerial Economics and Financial Analysis	50
46	5	171MI5E01	Maintenance and Reliability Engineering	100
47	5	171MI5E02	Mine Construction and Management	30
48	5	171MI5E03	Industrial Management and Labor Relations	100
49	5	171HS5T06	Employability Skills – III	100
50	5	171MI5L03	Rock Mechanics Lab	50
51	5	171MI5L04	Mine Surveying Lab	0
52	5	171MI5S01	MOOCs - I	100
53	6	171MI6T13	Under Ground Metal Mining Technology	0
54	6	171MI6T14	Mineral Processing Technology	40
55	6	171MI6T15	Mine Environment Engineering - II	15
56	6	171MI6T16	Mining Machinery	50
57	6	171MI6E04	Advanced Geo Mechanics	40
58	6	171MI6E05	Mine Fire and Spontaneous Heating	70
59	6	171MI6E06	Mineral Exploration	100
60	6	171MI6E07	Advance Surveying Technology	100
61	6	171MI6E08	Mine Subsidence Engineering	100
62	6	171MI6E09	Rock Fragmentation Engineering	50
63	6	171HS6T07	Employability Skills - IV	100
64	6	171MI6L05	Mineral Processing Technology Lab	40
65	6	171MI6L06	Environmental Engineering Lab	0
66	6	171MI6S02	MOOCs - II	100
67	7	R1641261	Computer Applications in Mining	100
68	7	R1641262	Underground Metal Mining Technology	0
69	7	R1641263	Rock Mechanics & Ground Control	0
70	7	R1641264	Mine Legislation & General Safety	0
71	7	R164126A	Rock Slope Engineering	30
72	7	R164126B	Mine Subsidence Engineering	0
73	7	R164126C	Rock Fragmentation Engineering	0
74	7	R164126D	Deep Sea Mining	0
75	7	R164126E	Mine Construction Engineering	0
76	7	R164126F	Tunneling Engineering	0
77	7	R1641019	IPR & Patents	
78	7	R1641267	Computer Applications in Mining Lab	100
79	7	R1641268	Rock Mechanics & Ground Control Lab	10
80	8		Short Survey Camp (One Week)	
81	8	R1642031	Production Planning and Control	0
82	8	R1642261	Mine Economics & Investment	100
83	8	R1642262	Mine Health and Safety Engineering	0
84	8	R164226A	Planning of Underground Metal Mining Projects	0
85	8	R164226B	Planning of Underground Coal Mining Projects	0
86	8	R164226C	Planning of Surface Mining Projects	0
87	8	R1642265	Seminar	100
88	8	R1642266	Project	0
Total number of courses in the academic year 2019-2020				88
Number of courses having revision in syllabus content \geq 20% in the academic year 2019-2020				39
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(39/88)*100$				44.32

Program Coordinator

Head of the Department

Head of the Department
DEPARTMENT OF MINING ENGINEERING
ADITYA ENGINEERING COLLEGE

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Program Name : B.Tech. in Petroleum Technology

Syllabus Revision for the Academic Year 2019-2020				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	19IHS1T01	Communicative English	90
2	I	19IBS1T01	Differential Equations and Linear Algebra	20
3	I	19IBS1T02	Engineering Physics	60
4	I	19IES1T01	Programming for Problem Solving Using C	0
5	I	19IHS1L01	Communicative English Lab-I	0
6	I	19IBS1L01	Engineering Physics Lab	60
7	I	19IES1L01	Programming for Problem Solving Using C Lab	0
8	I	19IES1L02	Basic Engineering Workshop	0
9	I	19IMC1A01	Environmental Science	25
10	I	19IMC1A02	Constitution of India	100
11	II	19IBS2T05	Partial Differential Equations and Vector Calculus	40
12	II	19IBS2T06	Chemistry of Materials	70
13	II	19IES2T02	Engineering Graphics and Design	0
14	II	19IES2T03	Essential Electrical and Electronics Engineering	10
15	II	19IES2T04	Engineering Mechanics	0
16	II	19IHS2L02	Communicative English Lab-II	0
17	II	19IBS2L04	Engineering Chemistry Lab	50
18	II	19IES2L03	Essential Electrical and Electronics Engineering Lab	0
19	II	19IES2L13	Petroleum Technology Workshop	100
20	II	19IPR2P01	Engineering Exploration Project	100
21	III	17IES3T16	Materials Science and Engineering	0
22	III	17IES3T17	General Geology	0
23	III	17IES3T18	Surveying and Offshore Structures	0
24	III	17IPT3T01	Chemical Process Calculations	0
25	III	17IES3T05	Basic Electrical and Electronics Engineering	0
26	III	17IES3L09	Basic Engineering Lab	0
27	III	17IES3L10	Geology and Surveying Lab	0
28	III	17IHS3A10	Employability Skills - I	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
29	III	171HS3A09	Professional Ethics and Human Values	0
30	IV	171BS4T10	Probability and Statistics	0
31	IV	171PT4T02	Momentum Transfer	0
32	IV	171PT4T03	Petroleum Geology	0
33	IV	171PT4T04	Thermodynamics for Petroleum Engineers	0
34	IV	171PT4T05	Process Heat Transfer	0
35	IV	171HS4T05	Management Science	0
36	IV	171PT4L01	Momentum Transfer Lab	0
37	IV	171PT4L02	Process Heat Transfer Lab	0
38	IV	171HS4A11	Employability Skills - II	0
39	IV	171HS4A08	IPR and Patents	0
40	V	171PT5T06	Process Dynamics and Control	0
41	V	171PT5T07	Petroleum Exploration	0
42	V	171PT5T08	Process Instrumentation	0
43	V	171PT5T09	Well Logging and Formation Evaluation	0
44	V	171PT5T10	Drilling Technology	0
45	V	171PT5E01	Well Engineering and Design	100
46	V	171PT5E02	Fundamentals of Liquefied Natural Gas	0
47	V	171PT5E03	Pipeline Engineering	0
48	V	171PT5L03	Instrumentation, Process Dynamics and Control Lab	0
49	V	171PT5L04	Drilling Fluids Lab	0
50	V	171HS5T06	Employability Skills - III	100
51	V	171PT5S01	MOOCs - I	0
52	VI	171PT6T11	Well Completions, Testing and Services	0
53	VI	171PT6T12	Petroleum Production Engineering	0
54	VI	171PT6T13	Petroleum Reservoir Engineering - I	0
55	VI	171PT6T14	Surface Production Operations	0
56	VI	171PT6E04	Petroleum Refining and Petrochemical Engineering	0
57	VI	171PT6E05	Storage and Transportation of Crude Oil and Natural Gas.	0
58	VI	171PT6E06	Reservoir Stimulation	0
59	VI	171PT6E07	Natural Gas Hydrates	0

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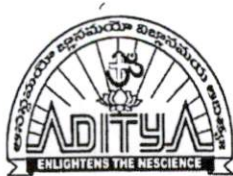
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
60	VI	171PT6E08	Natural Gas Engineering	0
61	VI	171PT6E09	Horizontal Well Technology	0
62	VI	171PT6L05	Petroleum Analysis Lab	0
63	VI	171PT6L06	Petroleum Reservoir Simulation Lab	0
64	VI	171HS6T07	Employability skills - IV	100
65	VI	171PT5S02	MOOCs – II	0
66	VII	R1641019	IPR and PATENTS	0
67	VII	R1641271	Integrated Asset Management	0
68	VII	R1641272	Petroleum Reservoir Engineering-II	0
69	VII	R1641273	Surface Production Operations	0
70	VII	R1641274	Oil and Gas Processing Plant Design	0
71	VII	R1641277	Petroleum Equipment Design and Simulation Lab	0
72	VII	R1641278	Petroleum Reservoir Simulation Lab	0
73	VII	R164127A	Natural Gas Hydrates	0
74	VII	R164127B	pipeline engineering	0
75	VII	R164127C	Horizontal well technology	0
76	VII	R164127D	Coal Bed Methane Engineering	0
77	VII	R164127E	Offshore engineering	0
78	VII	R164127F	Reservoir stimulation	0
79	VIII	R1642271	EOR Techniques	0
80	VIII	R1642272	HSE and FE in Petroleum Industry	0
81	VIII	R1642273	Petroleum Economics Policies and Regulations	100
82	VIII	R164227A	Shale Gas Reservoir Engineering	100
83	VIII	R164227B	Subsea Engineering	0
84	VIII	R164227C	Reservoir Modeling & Simulation	0
85	VIII	R1642275	Seminar(SIP Report Presentation)	0
86	VIII	R1642276	Project	0

Total number of courses in the academic year 2019-2020	= 86
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020	= 16
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(16/86)*100$	= 18.60%


Program Coordinator


Head of the Department
Head of the Department


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

Syllabus Revision for the Academic Year 2019-2020				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	191HS1T01	Communicative English	90
2	I	191BS1T01	Differential Equations and Linear Algebra	20
3	I	191BS1T02	Engineering Physics	60
4	I	191ES1T01	Programming for Problem Solving Using C	0
5	I	191HS1L01	Communicative English Lab-I	0
6	I	191BS1L01	Engineering Physics Lab	60
7	I	191ES1L01	Programming for Problem Solving Using C Lab	0
8	I	191ES1L02	Basic Engineering Workshop	10
9	I	191MC1A01	Environmental Science	25
10	I	191MC1A02	Constitution of India	100
11	II	191BS2T05	Partial Differential Equations and Vector Calculus	40
12	II	191BS2T06	Chemistry of Materials	70
13	II	191ES2T02	Engineering Graphics and Design	55
14	II	191ES2T03	Essential Electrical & Electronics Engineering	10
15	II	191ES2T04	Engineering Mechanics	10

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16	II	191HS2L02	Communicative English Lab-II	0
17	II	191BS2L04	Engineering Chemistry Lab	50
18	II	191ES2L03	Essential Electrical and Electronics Engineering Lab	100
19	II	191ES2L14	Agricultural Engineering Workshop	100
20	II	191PR2P01	Engineering Exploration Project	100
21	III	171AG3T01	Principles of Soil Science and Agronomy	0
22	III	171AG3T02	Renewable Energy Sources	0
23	III	171AG3T03	Ground Water Hydrology, Wells and Pumps	0
24	III	171ES3T19	Properties and Strength of Materials	0
25	III	171ES3T20	Electrical and Electronics Engineering	0
26	III	171ES3T21	Surveying and Leveling	0
27	III	171AG3L01	Soil Science and Agronomy Field Lab	0
28	III	171ES3L11	Surveying and Leveling Lab	0
29	III	171HS3A10	Employability Skills - I	0
30	III	171HS3A09	Professional Ethics and Human Values	0
31	IV	171AG4T04	Thermodynamics and Refrigeration Systems	0
32	IV	171AG4T05	Heat and Mass Transfer	0
33	IV	171ES4T25	Fluid Mechanics and Open Channel Hydraulics	0
34	IV	171AG4T06	Soil Mechanics	0
35	IV	171AG4T07	Surface Water Hydrology	0
36	IV	171AG4T08	Engineering Properties of Biological Materials and Food Quality	0

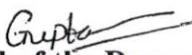
37	IV	171ES4L14	Fluid Mechanics and Open Channel Hydraulics Lab	0
38	IV	171ES4L15	Machine Drawing and Computer Graphics Lab	0
39	IV	171HS4A11	Employability Skills – II	0
40	IV	171HS4A08	Intellectual Property Rights and Patents	0
41	V	171AG5T09	Theory of Structures	0
42	V	171AG5T10	Irrigation and Drainage Engineering	0
43	V	171AG5T11	Agricultural Process Engineering	20
44	V	171AG5T12	Agricultural Extension Techniques and Business Management	0
45	V	171AG5T13	Farm Power and Tractor Systems	20
46	V	171AG5E01	Agro Industries and Bi-Product Utilization	0
47	V	171HS5E01	Managerial Economics and Financial Analysis	20
48	V	171AG5E02	Rural Water Supply, Sanitation and Environmental Engineering	100
49	V	171HS5T06	Employability Skills - III	100
50	V	171AG5L02	Agricultural Process Engineering Lab	0
51	V	171AG5L03	Field Operation and Maintenance of Tractors Lab	20
52	V	171AG5S01	MOOCs – I	100
53	VI	171AG6T14	Soil and Water Conservation Engineering	0
54	VI	171AG6T15	Farm Machinery and Equipment – I	0
55	VI	171AG6T16	Design of Soil, Water Conservation and Farm Structures	0
56	VI	171AG6T17	Post Harvest Engineering for Horticulture Produce	0
57	VI	171AG6E03	GIS and Remote Sensing	0

58	VI	171AG6E04	Human Engineering and Safety	0
59	VI	171AG6E05	Production Technology of Agricultural Machinery	10
60	VI	171AG6E06	Green House / Poly House Technology	100
61	VI	171AG6E07	Optimization, Operations Research and Systems Engineering	100
62	VI	171AG6E08	Industrial Engineering and Management	100
63	VI	171HS6T07	Employability Skills - IV	100
64	VI	171AG6L04	Farm Machinery Lab - I	20
65	VI	171AG6L05	Soil and Water Engineering Lab	0
66	VI	171AG6S02	MOOCs - II	100
67	VII	R1641351	Micro Irrigation Engineering	0
68	VII	R1641352	Farm Machinery and Equipment-II	0
69	VII	R1641353	Post- Harvest Engineering for Horticulture Produce	0
70	VII	R1641354	Mechanical Measurements and Instrumentation	0
71	VII	R164135A	Seed Processing and Storage Engineering	0
72	VII	R164135B	Green House Technologies	100
73	VII	R164135C	Food Processing Plant Design and Layout	0
74	VII	R164135D	Watershed Management	0
75	VII	R164135E	Food Packaging Technology	0
76	VII	R164135F	Minor Irrigation and Command area development	0
77	VII	R1641357	Farm Machinery Lab-2	0
78	VII	R1641358	Dairy and Food Engineering Lab	0


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79	VIII	R1642351	Design of Agricultural Machinery	20
80	VIII	R1642352	Agricultural Extension Techniques and Business Management	0
81	VIII	R1642353	Agro Industries and Bi-product Utilization	0
82	VIII	R164235A	GIS and remote sensing	0
83	VIII	R164235B	Human engineering and safety	0
84	VIII	R164235C	Production Technology of Agricultural Machinery	0
85	VIII	R1642355	Seminar	0
86	VIII	R1642356	Project	0
Total number of courses in the academic year 2019-2020				86
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				28
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(28/86) \times 100$				32.55


Program Coordinator


Head of the Department
Head of the Department
Department of Agricultural Engineering
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Program Name : **M.Tech. in Structural Engineering**

Syllabus Revision for the Academic Year 2019-2020

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	33
3	I	192ST1T03	Advanced Concrete Technology	100
4	I	192ST1E03	Design of RCC Foundations	100
5	I	192ST1E01	Matrix Analysis of Structures	0
6	I	192ST1E02	Analytical & Numerical Method for Structural Engineering	100
7	I	192ST1E05	Repair & Rehabilitation of Structures	0
8	I	192ST1E04	Bridge Engineering	50
9	I	192ST1E06	Advanced Reinforced Concrete Design	100
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	100
16	II	192ST2E09	Analysis of offshore Structures	100
17	II	192ST2E10	Earthquake Resistant Design of Buildings	0
18	II	192ST2E11	Precast and Prefabricated Structures	100
19	II	192ST2E12	Earth Retaining Structures	100

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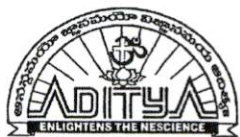
20	II	192ST2L03	Computer Aided Design Laboratory	0
21	II	192ST2L04	Structural Design Laboratory	100
22	II	192ST2P01	Mini Project With Seminar	0
23	I/II	C1A01/192MC	English for Research Paper Writing	100
24	I/II	C1A02/192MC	Disaster Management	100
25	I/II	C1A03/192MC	Sanskrit for Technical Knowledge	100
26	I/II	C1A04/192MC	Value Education	100
27	I/II	C1A05/192MC	Constitution of India	100
28	I/II	C1A06/192MC	Pedagogy Studies	100
29	I/II	C1A07/192MC	Stress Management by Yoga	100
30	I/II	C1A08/192MC	Personality Development through Life Enlightenment Skills	100
31	I/II	C1A09/192MC	Soft Skills	100
32	III	172SE3C01	Comprehensive Viva - Voce	0
33	III	172SE3R01	Seminar-1	0
34	III	--	Project Work Part -1	0
35	IV	172SE4R02	Seminar -II	0
36	IV	172SE4P01	Project Work Part -II	0
Total number of courses in the academic year 2019-2020				= 36
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				= 20
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(20/36)*100$				= 55.55%

Program Coordinator

Head of the Department

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



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

Syllabus Revision for the Academic Year 2019-2020

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	20
3	I	192PD1E01	Modern Control Theory	0
4	I	192PD1E02	Power Quality and Custom Power Devices	0
5	I	192PD1E03	Programmable Logic Controllers & Applications	0
6	I	192PD1E04	Artificial Intelligence Techniques	88
7	I	192PD1E05	Renewable Energy Technologies	54
8	I	192PD1E06	HVDC Transmission and Flexible AC Transmission Syst	62
9	I	192HS1T01	Research Methodology and IPR	0
10	I	192PD1L01	Power Electronics Simulation Laboratory	100
11	I	192PD1L02	Power Converters Laboratory	70
12	I / II	19MC1A01 19MC2A01	English for Research Paper Writing	100
13	I / II	19MC1A02 19MC2A02	Disaster Management	100
14	I / II	19MC1A03 19MC2A03	Sanskrit for Technical Knowledge	100
15	I / II	19MC1A04 19MC2A04	Value Education	100
16	I / II	19MC1A05 19MC2A05	Constitution of India	100
17	I / II	19MC1A06 19MC2A06	Pedagogy Studies	100
18	I / II	19MC1A07 19MC2A07	Stress Management by Yoga	100

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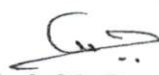
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	I / II	19MC1A08 19MC2A08	Personality Development through Life Enlightenment Skills	100
20	I / II	19MC1A02 19MC2A03	Soft Skills	100
21	II	192PD2T03	Switched Mode Power Conversion	10
22	II	192PD2T04	Power Electronic Control of Electrical Drives	80
23	II	192PD2E07	Control & Integration of Renewable Energy Systems	100
24	II	192PD2E08	Hybrid Electric Vehicles	100
25	II	192PD2E09	Digital Control Systems	100
26	II	192PD2E10	Advanced Digital Signal Processing	100
27	II	192PD2E11	Applications of Power Converters	100
28	II	192PD2E12	Microcontrollers	0
29	II	192PD2L03	Electric Drives Simulation Laboratory	100
30	II	192PD2L04	Electric Drives Laboratory	74
31	II	192PD2P01	Mini Project with Seminar	0
32	III	172PD3C01	Comprehensive Viva-Voce	0
33	III	172PD3R01	Seminar – I	0
34	III	---	Project Work Part - I	0
35	IV	172PD4R02	Seminar – II	0


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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
36	IV	172PD4P01	Project Work Part - II	0

Total number of courses in the academic year 2019-2020	= 36
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020	= 23
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(23/36) \times 100$	= 63.88%


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 Thermal Engineering**

Syllabus Revision for the Academic Year 2019-2020

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	40
8	I	192TE1E06	Alternative Fuel Technologies	0
9	I	192TE1E07	Energy Conservation and Management	30
10	I	192TE1E08	Theory And Technology of Fuel Cells	0
11	I	192HS1T01	Research Methodology and IPR	100
12	I	192TE1L01	Computational Fluid Dynamics Lab-I	60
13	I	19TE1L02	Thermal Engineering Lab -I	50
14	I	192MC1A01/ 192MC2A01	English for Research Paper Writing	100
15	I	192MC1A02/ 192MC2A02	Disaster Management	100
16	I	192MC1A03/ 192MC2A03	Sanskrit for Technical Knowledge	100
17	I	192MC1A04/ 192MC2A04	Value Education	100

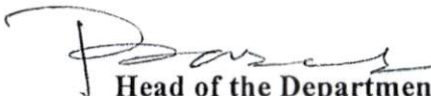
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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
18	I	192MC1A05/ 192MC2A05	Constitution of India	100
19	I	192MC1A06/ 192MC2A06	Pedagogy Studies	100
20	I	192MC1A07/ 192MC2A07	Stress Management by YOGA	100
21	I	192MC1A08/ 192MC2A08	Personality Development Through Life Enlightenment Skills	100
22	I	192MC1A09/ 192MC2A09	Soft Skills	100
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	48
28	II	192TE2E12	Combustion, Emissions and Environment	40
29	II	192TE2E13	Jet Propulsion and Rocket Engineering	0
30	II	192TE2E14	Automotive Engineering	30
31	II	192TE2E15	Modeling And I.C. Engines	100
32	II	192TE2E16	Renewable Energy Technologies	0
33	II	192TE2L03	Computational Fluid Dynamics Lab-II	30
34	II	192TE2L04	Thermal Engineering Lab -II	30
35	II	192TE2P01	Mini Project with Seminar	0
36	III	172TE3C01	Comprehensive Viva-Voce	0
37	III	172TE3R01	Seminar – I	0
38	III	172TE3P01	Project Work Part - I	0



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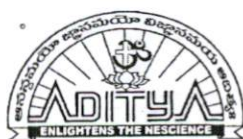
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
39	IV	172TE4C02	Seminar – II	0
40	IV	172TE4P01	Project Work Part - II	0
Total number of courses in the academic year 2019-2020				40
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				20
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(20/40)*100$				50


 Program Coordinator


 Head of the Department

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


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Program Name : M.Tech. in VLSI Design

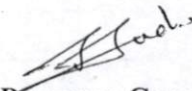
Syllabus Revision for the Academic Year 2019-20

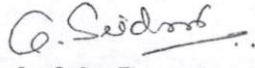
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	192VD1T01	CMOS Analog IC Design	0
2	I	192VD1T02	CMOS Digital IC Design	0
3	I	192HS1T01	Research methodology and IPR	100
4	I	192VD1E01	VLSI Technology	100
5	I	192VD1E02	Nano materials and Nanotechnology	100
6	I	192VD1E03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

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
29	II	192MC1A07/192MC2A07	Stress Management by Yoga	100
30	II	192MC1A08/192MC2A08	Personality Development through Life Enlightenment Skills	100
31	II	192MC1A09/192MC2A09	Soft Skills	100
32	III	172VD3C01	Comprehensive Viva-Voce	0
33	III	172VD3R01	Seminar – I	0
34	III		Project Work Part – I	0
35	IV	172VD4R02	Seminar – II	0
36	IV	172VD4P01	Project Work Part - II	0

Total number of courses in the academic year 2019-20	36
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-20	26
Percentage of syllabus revision carried out in the academic year 2019-20 = $(26/36)*100$	72.20%


Program Coordinator


Head of the Department
Head of the Department
Department of E.C.E.
Aditya Engineering College


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

Syllabus Revision for the Academic Year 2019-2020				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	I92CS1T01	Mathematical Foundations of Computer Science	80
2	I	I92CS1T02	Advanced Data Structures & Algorithms	0
3	I	I92CS1E01	Big Data Analytics	60
4	I	I92CS1E02	Digital Image Processing	0
5	I	I92CS1E03	Advanced Operating Systems	0
6	I	I92CS1E04	Advanced Computer Networks	100
7	I	I92CS1E05	Internet of Things	80
8	I	I92CS1E06	Object Oriented Software Engineering	100
9	I	I92HS1T01	Research Methodology and IPR	0
10	I	I92CS1L01	Advanced Data Structures & Algorithms Lab	100
11	I	I92CS1L02	Advanced Computing Lab	100
12	II	I92CS2T03	Machine learning	85
13	II	I92CS2T04	MEAN Stack Technologies	100
14	II	I92CS2E07	Advanced Databases and Mining	100
15	II	I92CS2E08	Ad Hoc & Sensor Networks	100
16	II	I92CS2E09	Soft Computing	100
17	II	I92CS2E10	Cloud Computing	0
18	II	I92CS2E11	Principles of computer security	100
19	II	I92CS2E12	High Performance Computing	100
20	II	I92CS2L03	Machine Learning with Python lab	100
21	II	I92CS2L04	MEAN Stack Technologies Lab	100
22	II	I92CS2P01	Mini Project with Seminar	100

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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	100
24	I/II	191MC2A02 /192MC2A02	Disaster Management	100
25	I/II	192MC1A03// 192MC2A03	Sanskrit for Technical Knowledge	100
26	I/II	192MC1A04/1 92MC2A04	Value Education	100
27	I/II	192MC1A05/1 92MC2A05	Constitution of India	100
28	I/II	192MC1A06 /192MC2A06	Pedagogy Studies	100
29	I/II	192MC1A07 /192MC2A07	Stress Management by Yoga	100
30	I/II	192MC1A08 /192MC2A08	Personality Development through Life Enlightenment Skills	100
31	I/II	192MC1A09 /192MC2A09	Soft Skills	100
32	III	172CO3C01	Comprehensive Viva-Voce	0
33	III	172CO3R01	Seminar - I	0
34	IV	172CO4R02	Seminar - II	0
35	IV	172C04P01	Project Work Part- - II	0

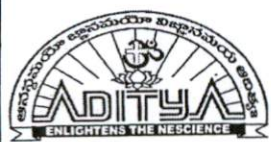
Total number of courses in the academic year 2019-2020	= 35
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020	= 26
Percentage of syllabus revision carried out in the academic year 2019-2020= $(26/35)*100$	= 74.29%


Program Coordinator


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 2019-2020

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 Statistics	0
6	I	192PE1E02	CBM and Shale Gas Engineering	100
7	I	192PE1E03	Transportation of Oil and Gas	100
8	I	192PE1E04	Advanced Well Logging Techniques and Well Testing Analysis	100
9	I	192HS1T01	Research Methodology and IPR	100
10	I	192PE1L01	Advanced Numerical Methods and	0
11	I	192PE1L02	Drilling Simulation Laboratory	100
12	II	192PE2T05	Artificial Lift Techniques	0
13	II	192PE2T06	Reservoir Modeling and Simulation	0
14	II	192PE2E05	Advanced EOR Techniques	100
15	II	192PE2E06	Advanced Well Completions	100
16	II	192PE2E07	Flow Assurance	0
17	II	192PE2E08	Advanced Horizontal Well Technology	100
18	II	192PE2L03	Reservoir Simulation Laboratory	0
19	II	192PE2L04	Flow Assurance Laboratory	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
20	II	192PE2P01	Mini Project with Seminar	0
21	I & II	192MC1A01/ 192MC2A01	English for Research Paper Writing	100
22	I & II	192MC1A02/ 192MC2A02	Disaster Management	100
23	I & II	192MC1A03/ 192MC2A03	Sanskrit for Technical Knowledge	100
24	I & II	192MC1A04/ 192MC2A04	Value Education	100
25	I & II	192MC1A05/ 192MC2A05	Constitution of India	100
26	I & II	192MC1A06/ 192MC2A06	Pedagogy Studies	100
27	I & II	192MC1A07/ 192MC2A07	Stress Management by Yoga	100
28	I & II	192MC1A08/ 192MC2A08	Personality Development through Life Enlightenment Skills	100
29	I & II	192MC1A09/ 192MC2A09	Soft Skills	100
30	III	172PE3C01	Comprehensive Viva-Voce	0
31	III	172PE3R01	Seminar - I	0
32	IV	172PE4R02	Seminar - II	0
33	IV	172PE3R02	Project Work Part- - I	0
34	IV	172PE4R01	Project Work Part- - II	0

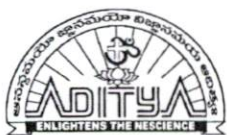
Total number of courses in the academic year 2019-2020	= 34
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020	= 18
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(18/34)*100$	= 52.94%


Program Coordinator


PRINCIPAL
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Head of the Department

Head of the Department
of Petroleum Technology



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Program Name : M.Tech. in Embedded Systems

Syllabus Revision for the Academic Year 2019-20

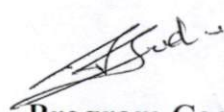
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	192EM1T01	Embedded System Design	0
2	I	192EM1T02	Microcontrollers and Programmable Digital Signal Processors	100
3	I	192EM1E01	Digital Signal and Image Processing	100
4	I	192EM1E02	Parallel Processing	100
5	I	192EM1E03	VLSI signal processing	100
6	I	192EM1E04	Programming Languages for Embedded Systems	100
7	I	192EM1E05	System Design with Embedded Linux	100
8	I	192EM1E06	CAD for Digital System	100
9	I	192HS1T01	Research methodology and IPR	100
10	I	192EM1L01	Embedded System Design Lab(using Embedded-C)	100
11	I	192EM1L02	Microcontrollers and Programmable Digital Signal Processors Lab	100
12	II	192EM2T03	Digital System Design	0
13	II	192EM2T04	Real Time Operating Systems	100
14	II	192EM2E07	Memory Architectures	100
15	II	192EM2E08	SoC Design	100
16	II	192EM2E09	Sensors & Actuators	0
17	II	192EM2E10	Communication Buses and Interfaces	100
18	II	192EM2E11	Network Security and Cryptography	60
19	II	192EM2E12	Physical design automation	100
20	II	192EM2L03	Real Time Operating Systems Lab	100
21	II	192EM2L04	Digital System Design Lab	100
22	II	192EM2P01	Mini Project with Seminar	100

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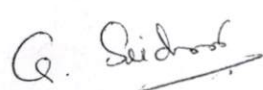
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
23	I/II	192MC1A01/1 92MC2A01	English for Research Paper Writing	100
24	I/II	192MC1A02/1 92MC2A02	Disaster Management	100
25	I/II	192MC1A03/1 92MC2A03	Sanskrit for Technical Knowledge	100
26	I/II	192MC1A04/1 92MC2A04	Value Education	100
27	I/II	192MC1A05/1 92MC2A05	Constitution of India	100
28	I/II	192MC1A06/1 92MC2A06	Pedagogy Studies	100
29	I/II	192MC1A07/1 92MC2A07	Stress Management by Yoga	100
30	I/II	192MC1A08/1 92MC2A08	Personality Development through Life Enlightenment Skills	100
31	I/II	192MC1A09/1 92MC2A09	Soft Skills	100
32	III	172EM3C01	Comprehensive Viva-Voce	0
33	III	172EM3R01	Seminar - I	0
34	III		Project Work Part - I	0
35	IV	172EM4R02	Seminar - II	0
36	IV	172EM4P01	Project Work Part- - II	0

Total number of courses in the academic year 2019-20	36
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-20	28
Percentage of syllabus revision carried out in the academic year 2019-20 = $(28/36)*100$	77.70%



Program Coordinator


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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 Software Engineering**

Syllabus Revision for the Academic Year 2019-2020

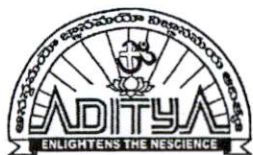
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	192SO1T01	Software Engineering	100
2	I	192SO1T02	Advanced Data Structures	100
3	I	192SO1E01	Software Project and Process Management	0
4	I	192SO1E02	Machine Learning	100
5	I	192SO1E03	E-Commerce	0
6	I	192SO1E04	Software Quality Assurance and Testing	0
7	I	192SO1E05	Cloud Computing	80
8	I	192CO1E05	Internet of Things	100
9	I	192HS1T01	Research Methodology and IPR	100
10	I	192SO1L01	Advanced Data Structures Lab	100
11	I	192SO1L02	Software Engineering Lab- I	100
12	I	192MC1A01	English for Research Paper Writing	100
13	I	192MC1A02	Disaster Management	100
14	I	192MC1A03	Sanskrit for Technical Knowledge	100
15	I	192MC1A04	Value Education	100
16	I	192MC1A05	Constitution of India	100
17	I	192MC1A06	Pedagogy Studies	100
18	I	192MC1A07	Stress Management by Yoga	100
19	I	192MC1A08	Personality Development through Life Enlightenment Skills	100
20	I	192MC1A09	Soft Skills	100
21	II	192SO2T03	Service Oriented Architecture	0
22	II	192SO2T04	Mathematical Foundations of Computer Science	100
23	II	192SO2E06	Software Testing Methodologies	100
24	II	192SO2E07	Agile Software Development	100
25	II	192SO2E08	ERP and Supply Chain Management	0
26	II	192SO2E09	Secure Software Engineering	0
27	II	192SO2E10	Big Data Analytics	0
28	II	192SO2E11	Design Patterns	100
29	II	192SE2L03	Software Testing Lab	100
30	II	192SE2L04	Software Engineering Lab- II	100
31	II	192SE2P01	Mini Project with Seminar	100

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32	II	192MC2A01	English for Research Paper Writing	100
33	II	192MC2A02	Disaster Management	100
34	II	192MC2A03	Sanskrit for Technical Knowledge	100
35	II	192MC2A04	Value Education	100
36	II	192MC2A05	Constitution of India	100
37	II	192MC2A06	Pedagogy Studies	100
38	II	192MC2A07	Stress Management by Yoga	100
39	II	192MC2A08	Personality Development through Life Enlightenment Skills	100
40	II	192MC2A09	Soft Skills	100
41	III	171SO3C01	Comprehensive Viva-Voce	0
Total number of courses in the academic year 2019-2020				= 41
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				33
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(49/135)*100$				= 80.48%
 Program Coordinator		 Head of the Department		

Head of the Department
Department of IT
Aditya Engineering College


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Program Name : **MASTER OF BUSINESS ADMINISTRATION**

Syllabus Revision for the Academic Year 2019-20

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	194MB1T01	Management and Organizational Behavior	100
3	I	194MB1T02	Managerial Economics	40
4		194MB1T03	Accounting for Managers	40
5	I	194MB1T04	Quantitative Analysis for Business Decisions	40
6		194MB1T05	Legal and Business Environment	80
7	I	194MB1T06	Business Communication and Soft Skills	40
8		194MB1L01	Business Communication and Soft Skills Lab.	100
9	I	194MB1L02	Information Technology – Lab – I (Spreadsheet and Tally)	100
10		194MB2T07	Financial Management	0
11	II	194MB2T08	Human Resource Management	0
12		194MB2T09	Marketing Management	0
13	II	194MB2T10	Operations Management	0
14	II	194MB2T11	Business Research Methods	0
15	II	194MB2O04	Project Management.	100
16	II	194MB2L03	IT-Lab – 2 (R Programming)	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
17	I	194MB1O01	Cross Cultural Management.	100
18	I	194MBMOOC1	MOOCs: SWAYAM/NPTEL.	100
19	I	194MB1O02	Rural Innovation Projects.	100
20	II	194MB2O05	Technology Management.	100
21	II	194MB2O06	Lean Management.	100
22	II	194MB2O07	Data base Management System.	100
23	III	174MB3T13	Strategic Management	0
24	III	174MB3T14	Legal Aspects of Business	0
25	II	174MB3T15	Business Ethics & Corporate Governance	0
26	II	174HR3E01	Leadership Management	0
27	III	174HR3E02	Compensation & Reward Management	0
28	III	174HR3E03	Performance Management	0
29	III	174HR3E04	Strategic Human Resource Management	0
30	III	174FI3E01	Security Analysis & Portfolio Management	0
31	III	174FI3E02	Banking & Insurance Management	0
32	III	174FI3E03	Advance Management Accounting	0
33	III	174FI3E04	Strategic Financial Management	0
34	III	174MA3E01	Consumer Behavior	0
35	III	174MA3E02	Retail Management	0
36	III	174MA3E03	Customer Relationship Management	0
37	IV	174MA3E04	Strategic Marketing	0

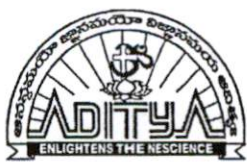
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
38	IV	174MB4T16	Logistic & Supply Chain Management	0
39	IV	174MB4T17	Entrepreneurship Development	0
40	IV	174HR4E01	Organizational Development & Change Management	0
41	IV	174HR4E02	Global Human Resource Management	0
42	IV	174HR4E03	Labor Welfare & Legislation	0
43	IV	174HR4E04	Management of Industrial Relations	0
44	IV	174FI4E01	Financial Markets & Services	0
45	IV	174FI4E02	Global Financial Management	0
46	IV	174FI4E03	Risk Management	0
47	IV	174FI4E04	Tax Management	0
48	IV	174MA4E01	Services Marketing	0
49	IV	174MA4E02	Promotional Distribution Management	0
50	IV	174MA4E03	Global Marketing Management	0
51	IV	174MA4E04	Supply Chain Management	0
52	IV	174MB4P02	Major Project	0
53	IV	174SY3E01	E-Business	0
54	IV	174SY3E02	RDBMS	0
55	IV	174SY3E03	System Analysis & Design	0
56	IV	174SY3E04	Web Designing	0
57	IV	(174SY4E01	Business Intelligence	0
58	IV	174SY4E02	Enterprise Resource Planning	0

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
59	IV	174SY4E03	Cyber Laws & Security	0
60	IV	(174SY4E04	Information Systems Audit	0
Total number of courses in the academic year 2019-2020				= 59
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020				= 15
Percentage of syllabus revision carried out in the academic year 2019-2020 = $(15/59)*100$				= 25.4%

L. Mebri
Program Coordinator

N. Uisal
Head of the Department
Head of the Department
Department of Management Studies
Aditya Engineering College (A)
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Program Name : **INTEGRATED MASTER OF BUSINESS ADMINISTRATION**

Syllabus Revision for the Academic Year 2019-20

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	VII	16IM701	Knowledge Management	100
2	VII	16IM702	Strategic Cost Management	100
3	VII	16IM703A	HR Planning	100
4	VII	16IM704B	Leadership Management	100
5	VII	16IM705C	Compensation and Reward Management	100
6	VII	16IM703D	Security Analysis	100
7	VII	16IM704A	Banking and Insurance Management	100
8	VII	16IM705B	Advanced Management Accounting	100
9	VII	16IM703C	Consumer Behavior	100
10	VII	16IM704D	Rural Marketing	100
11	VII	16IM705A	Supply Chain Management	100
12	VII	16IM703B	E-Business	100
13	VII	16IM704C	RDBMS	100
14	VII	16IM705D	Web Designing	100
15	VIII	16IM801A	Total Quality Management	100
16	VIII	16IM802B	Project Management	100
17	VIII	16IM803C	Performance Management	100
18	VIII	16IM804D	Strategic Human Resource Management	100
19	VIII	16IM805A	Organizational Development & Change Management	100
20	VIII	16IM803B	Strategic Financial Management	100
21	VIII	16IM804C	Portfolio Management	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
22	VIII	16IM805D	Financial Markets and Services	100
23	VIII	16IM803A	Customer Relationship Management	100
24	VIII	16IM804B	Strategic Marketing Management	100
25	VIII	16IM805C	Services Marketing	100
26	VIII	16IM803D	System Analysis & Design	100
27	VIII	16IM804A	Business Intelligence	100
28	VIII	16IM805B	Enterprise Resource Planning	100
29	III	175IM3T11	Principles of Management	0
30	III	175IM3T12	Cost Accounting	0
31	III	175IM3T13	Banking Theory & Practice	0
32	III	175IM3T14	Business Law	0
33	III	175IM3T15	Entrepreneurship Development	0
34	IV	175IM4T16	Organizational Behavior	0
35	IV	175IM4T17	Management Accounting	0
36	IV	175IM4T18	Company Law	0
37	IV	175IM4T19	Elements of Direct & Indirect Taxes	0
38	IV	175IM4T20	Management Information Systems	0
39	V	175IM5T21	Financial Management	0
40	V	175IM5T22	Marketing Management	0
41	V	175IM5T23	Human Resource Management	0
42	V	175IM5T24	Production & Operations Management	0
43	V	175IM5T25	Research Methodology	0
44	VI	175IM6T26	Operations Research	0
45	VI	175IM6T27	International Business	0
46	VI	175IM6T28	Strategic Management	0
47	VI	175IM6T29	Decision Support Systems	0
48	VI	175IM6P01	Minor Project	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
49	I	195IM1T01	English Language – I	0
50	I	195IM1T02	Business Mathematics & Statistics	0
51	I	195IM1T03	Fundamentals of Business Organization	0
52	I	195IM1T04	Financial Accounting – I	0
53	I	195IM1T05	Fundamentals of Computers	0
54	II	195IM2T06	English Language – II	0
55	II	195IM2T07	Business Environment	0
56	II	195IM2T08	Managerial Economics	0
57	II	195IM2T09	Financial Accounting – II	0
58	II	195IM2T10	Organizational Communications	0

Total number of courses in the academic year 2019-20	= 58
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-20	= 28
Percentage of syllabus revision carried out in the academic year 2019-20 = $(28/58)*100$	= 48%

K. Shailaja
Program Coordinator

N. Uimal
Head of the Department

Head of the Department
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ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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

Program Name : **Master Of Computer Applications**

Syllabus Revision for the Academic Year 2019-2020

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	1	193MC1T01	Problem Solving with C	70
2	1	193MC1T02	Computer Organization	40
3	1	193MC1T03	Discrete Mathematical Structures	0
4	1	193MC1T04	Probability and Statistics	100
5	1	193MC1T05	Accounting and Financial Management	0
6	1	193MC1L01	English Language Communication Skills Lab	50
7	1	193MC1L02	Problem Solving with C Lab	100
8	1	193MC1L03	IT Workshop (Lab)	100
9	2	193MC2T06	Data Structures	100
10	2	193MC2T07	Operating Systems	0
11	2	193MC2T08	Software Engineering	0
12	2	193MC2T09	OOP Through Java	0
13	2	193MC2T10	Optimization Techniques	0
14	2	193MC2L04	OOP Through Java Lab	0
15	2	193MC2L05	Data Structures Lab	0

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16	2	193MC2L06	Operating Systems and Linux Lab	0
17	3	173MC1T11	DATA BASE MANAGEMENT SYSTEMS	0
18	3	173MC1T12	COMPUTER NETWORKS	0
19	3	173MC1T13	UNIX PROGRAMMING	0
20	3	173MC1T14	MANAGEMENT INFORMATION SYSTEM	0
21	3	173MC1T15	DESIGN AND ANALYSIS OF ALGORITHMS	0
22	3	173MC1L07	DATA BASE MANAGEMENT SYSTEMS LAB	0
23	3	173MC1L08	UNIX PROGRAMMING LAB	0
24	3	173MC1L09	COMPUTER NETWORKS LAB	0
25	4	173MC1T16	OBJECT ORIENTED ANALYSIS AND DESIGN	0
26	4	173MC1T17	ADVANCED JAVA & WEB TECHNOLOGIES	0
27	4	173MC1T18	DATA WAREHOUSING AND MINING	0
28	4	173MC4E01	MOBILE COMPUTING	0
29	4	173MC4E02	HUMAN COMPUTER INTERACTION	0
30	4	173MC4E03	CLOUD COMPUTING	0
31	4	173MC4E04	SOFTWARE PROJECT MANAGEMENT	0
32	4	173MC4E05	ARTIFICIAL INTELLIGENCE	0
33	4	173MC4E06	EMBEDDED SYSTEMS	0
34	4	173MC1L10	ADVANCED JAVA & WEB TECHNOLOGIES	0
35	4	173MC1L11	DATA WAREHOUSING AND MINING LAB	0
36	4	173MC1L12	OBJECT ORIENTED ANALYSIS AND DESIGN	0

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37	5	173MC1T19	BIG DATA ANALYTICS	0
38	5	173MC1T20	NETWORK PROGRAMMING	0
39	5	173MC1T21	PYTHON PROGRAMMING	0
40	5	173MC4E07	CYBER SECURITY	0
41	5	173MC4E08	COMPUTER FORENSICS	0
42	5	173MC4E09	E-COMMERCE	0
43	5	173MC4E10	INTERNET OF THINGS	0
44	5	173MC4E11	MULTIMEDIA APPLICATION DEVELOPMENT	0
45	5	173MC4E12	SOFTWARE TESTING METHODOLOGIES	0
46	5	173MC1L13	BIG DATA ANALYTICS LAB	0
47	5	173MC1L14	NETWORK PROGRAMMING LAB	0
48	5	173MC1L15	PYTHON PROGRAMMING LAB	0
49	6	173MC6R01	SEMINAR	0
50	6	173MC6P01	Major Project	0

Total number of courses in the academic year 2019-2020	=50
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2019-2020	= 7
Percentage of syllabus revision carried out in the academic year	= 14.00%

T. Satya
Program Coordinator

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