ADITYA ENGINEERING COLLEGE

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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 2017-18

Supporting Documents

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Syllabus Revision carried out during the academic year 2017- 18

S.No	Program Code	Programme Name	% Revision carried
1	01	B. Tech. Civil Engineering	11.11
2	02	B. Tech. Electrical and Electronics Engineering	15.58
3	03	B. Tech. Mechanical Engineering	11.68
4	04	B. Tech. Electronics and Communication Engineering	16
5	05	B. Tech. Computer Science and Engineering	14.46
6	12	B. Tech. Information Technology	16
7	26	B. Tech. Mining Engineering	38.46
8	27	B. Tech. Petroleum Technology	14.47
9	35	B. Tech Agricultural Engineering	38.27
10	87	M. Tech. (Structural Engineering)	14.81
11	52	M. Tech. (Power Electronics and Drives)	14.81
12	21	M. Tech. (Thermal Engineering)	6
13	72	M. Tech. (VLSI Design)	14.28
14	58	M. Tech. (Computer Science & Engineering)	26.92
15	8	M. Tech. (Petroleum Engineering)	8.69
16	55	M. Tech. (Embedded Systems)	23.30
17	25	M. Tech. (Software Engineering)	27.27
18	1E	MBA	36.5
19	1M	IMBA	50
20	1F	MCA	12.24

CONVENOR

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Program Name : B.Tech. in Civil Engineering

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
			Syllabus Revision for the Academic Year 2017-2018	
1	I	171HS1T01	English – I	65
2	I	171BS1T01	Mathematics – I	40
3	I	171HS1T02	Environmental Studies	20
4	I	171BS1T03	Engineering Chemistry	25
5	I	171ES1T02	Engineering Mechanics	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab - I	0
8	I	171BS1L01	Engineering Chemistry Lab	20
9	I	171ES1L01	Computer Programming Lab	40
10	II	171HS2T03	English – II	55
11	II	171BS2T02	Mathematics – II	10
12	II	171BS2T06	Mathematics – III	40
13	II	171BS2T07	Engineering Physics	25
14	II	171ES2T03	Engineering Drawing	5
15	II	171ES2T04	Basic Mechanical Engineering	0
16	II	171HS2L02	English Communication Skills Lab - II	40
17	II	171BS2L02	Engineering Physics Lab	0
18	II	171ES2L02	Engineering Workshop and IT Workshop	0

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19	III	R1621011	Probability & Statistics	0
20	III	R1621012	Basic Electrical & Electronics Engineering	0
21	III	R1621013	Strength of Materials-I	0
22	III	R1621014	Building Materials & Construction	0
23	III	R1621015	Surveying	0
24	III	R1621016	Fluid Mechanics	0
25	III	R1621017	Survey Field Work – I	0
26	III	R1621018	Strength of Materials Lab	0
27	IV	R1621019	Professional Ethics & Human Values	0
28	IV	R1622011	Building Planning & Drawing	0
29	IV	R1622012	Strength of Materials - II	0
30	IV	R1622013	Hydraulics & Hydraulic Machinery	0
31	IV	R1622014	Concrete Technology	0
32	IV	R1622015	Structural Analysis – I	0
33	IV	R1622016	Transportation Engineering - I	0
34	IV	R1622017	FM & HM Lab	0
35	IV	R1622018	Survey Field Work – II	0
36	IV	R1622019	Managerial Economics & Financial Analysis	0
37	V	RT31014	Engineering Geology	0
38	V	RT31012	Structural Analysis – II	0
39	V	RT31013	Design and Drawing of Reinforced Concrete Structures	0
40	V	RT31011	Geotechnical Engineering– I	0
41	V	RT31015	Transportation Engineering– I	0
42	V	RT31016	IPR & Patents	0

43	V	RT31017	Geotechnical Engineering Lab	0
44	V	RT31018	Engineering Geology Lab	0
45	VI	1RT32013	Design and Drawing of Steel Structures	0
46	VI	1RT32012	Geotechnical Engineering– II	0
47	VI	1RT32014	Water Resources Engineering-I	0
48	VI	1RT32011	Environmental Engineering – I	0
49	VI	1RT32015	Transportation Engineering– II	0
50	VI	PT41011	Environmental Pollution and Control	0
51	VI	RT32016A	Disaster Management	0
52	VI	RT32016C	Industrial Water & Waste Water Management	0
53	VI	RT32016B	Architecture and Town Planning	0
54	VI	RT32016D	Finite Element Method	0
55	VI	RT32016E	Green Technologies	0
56	VI	RT32017	Computer Aided Engineering Drawing	0
57	VI	RT32018	Transportation Engineering Lab	0
58	VII	RT41011	Environmental Engineering – II	0
59	VII	RT41012	Prestressed Concrete	0
60	VII	RT41013	Construction Technology and Management	0
61	VII	RT41014	Water Resources Engineering-II	0
62	VII	RT41015	Remote Sensing and GIS Applications	0
63	VII	RT41016	(ELECTIVE - I) Ground Improvement Techniques	0
64	VII	RT41017	Air Pollution and Control	0
65	VII	RT41018	Matrix methods of Structural Analysis	0
66	VII	RT41019	Urban Hydrology	0

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67	VII	RT4101A	Advanced Surveying	0
68	VII	RT4101B	Interior Designs and Decorations	0
69	VII	RT4101L	Environmental Engineering Lab	0
70	VII	RT4101M	GIS & CAD Lab	0
71	VIII	RT42011	Estimation, Specifications & Contracts	0
72	VIII	RT42012A	Engineering with Geo-synthetics	0
73	VIII	RT42012B	Environmental Impact Assessment and Management	0
74	VIII	RT42012C	Advanced Structural Engineering	0
75	VIII	RT42012D	Ground Water Development and Management	0
76	VIII	RT42012E	Traffic Engineering	0
77	VIII	RT42012F	Infrastructure Management	0
78	VIII	RT42013A	Advanced foundation Engineering	0
79	VIII	RT42013B	Solid waste Management	0
80	VIII	RT42013C	Earthquake Resistant Design	0
81	VIII	RT42013D	Water Shed Management	0
82	VIII	RT42013E	Pavement Analysis and Design	0
83	VIII	RT42013F	Green Buildings	0
84	VIII	RT42014A	Soil Dynamics and Machine Foundations	0
85	VIII	RT42014B	Environmental and Industrial Hygiene	0
86	VIII	RT42014C	Repair and Rehabilitation of Structures	0
87	VIII	RT42014D	Water Resources System Planning and Management	0
88	VIII	RT42014E	Urban Transportation Planning Safety Engineering	0
89	VIII	RT42014G	Bridge Engineering	0
90	VIII	RT42015	Project Work	0

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Total number of courses in the academic year 2017-2018				= 90
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018				= 10
Percentage of syllabus revision carried out in the academic year 2017-2018 = (10/90)*100				= 11.11%

Program Coordinator

Head of the Department

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

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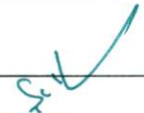
Program Name : B.Tech. in Electrical and Electronics Engineering

		Syllabus Revision for the Academic Year 2017-2018		
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	171HS1T01	English - I	55
2	I	171BS1T01	Mathematics - I	40
3	I	171HS1T02	Environmental Studies	20
4	I	171BS1T05	Applied Chemistry	20
5	I	171ES1T02	Engineering Mechanics	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab - I	10
8	I	171BS1L03	Applied Chemistry Lab	0
9	I	171ES1L01	Computer Programming Lab	40
10	II	171HS2T03	English - II	65
11	II	171BS2T02	Mathematics - II	10
12	II	171BS2T06	Mathematics - III	40
13	II	171BS2T04	Applied Physics	20
14	II	171ES2T03	Engineering Drawing	5
15	II	171EE2T01	Electrical Circuit Analysis - I	5
16	II	171HS2L02	English Communication Skills Lab - II	40
17	II	171BS2L04	Applied Physics Lab	10
18	II	171ES2L02	Engineering Workshop and IT Workshop	15

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	III	R1621021	Electrical Circuit Analysis - II	0
20	III	R1621022	Electrical Machines-I	80
21	III	R1621023	Basic Electronics and Devices	0
22	III	R1621024	Electro Magnetic Fields	0
23	III	R1621025	Thermal and Hydro Prime Movers	0
24	III	R1621026	Managerial Economics & Financial Analysis	0
25	III	R1621027	Thermal and Hydro Laboratory	0
26	III	R1621028	Electrical Circuits Laboratory	16
27	IV	R1622021	Electrical Measurements	0
28	IV	R1622022	Electrical Machines-II	65
29	IV	R1622023	Switching Theory and Logic Design	0
30	IV	R1622024	Control Systems	0
31	IV	R1622025	Power Systems-I	0
32	IV	R1622026	Management Science	0
33	IV	R1622027	Electrical Machines -I Laboratory	60
34	IV	R1622028	Electronic Devices & Circuits Laboratory	0
35	V	RT31022	Managerial Economics and Financial Analysis	0
36	V	RT31021	Electrical Measurements	0
37	V	RT31023	Power Systems-II	0
38	V	RT31024	Electrical Machines-III	0
39	V	RT31025	Power Electronics	0
40	V	RT31026	Linear & Digital IC Applications	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
41	V	RT31027	Electrical Machines-II Lab	0
42	V	RT31028	Control Systems Lab	0
43	V	RT31016	IPR & Patents	0
44	VI	RT32022	Switchgear and Protection	0
45	VI	RT32021	Microprocessors & Microcontrollers	0
46	VI	RT32023	Utilization of Electrical Energy	0
47	VI	RT32024	Power System Analysis	0
48	VI	RT32026	Power Semiconductor Drives	0
49	VI	RT32025	Management Science	0
50	VI	RT32027	Power Electronics Lab	0
51	VI	RT32028	Electrical Measurements Lab	0
52	VII	RT41021	Renewable Energy Sources and Systems	0
53	VII	RT41022	HVAC & DC Transmission	0
54	VII	RT41023	Power System Operation & Control	0
55	VII	RT41024	Energy Audit, Conservation and Management	0
56	VII	RT41025	Instrumentation	0
57	VII	RT41026	Non Conventional Sources of Energy	0
58	VII	RT41027	Optimization Techniques	0
59	VII	RT41028	VLSI Design	0
60	VII	RT41029	Electrical Distribution Systems	0
61	VII	RT41030	Optimization Techniques	0
62	VII	RT4102L	Microprocessors & Microcontrollers Lab	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
64	VII	RT4102N	Power systems lab	0
65	VIII	RT42021	Digital Control Systems	0
66	VIII	RT42022A	Advanced Control Systems	0
67	VIII	RT42022B	Extra High Voltage Transmission	0
68	VIII	RT42022C	Special Electrical Machines	0
69	VIII	RT42023A	Electric Power Quality	0
70	VIII	RT42023B	Digital Signal Processing	0
71	VIII	RT42023C	FACTS: Flexible Alternating Current Transmission Syste	0
72	VIII	RT42024A	OOPS Through Java	0
73	VIII	RT42024B	UNIX and Shell Programming	0
74	VIII	RT42024C	AI Techniques	0
75	VIII	RT42024D	Power System Reforms	0
76	VIII	RT42024E	Systems Engineering	0
77	VIII	RT42025	Project	0
Total number of courses in the academic year 2017-2018				= 77
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018				= 12
Percentage of syllabus revision carried out in the academic year 2017-2018 = (12/77)*100				= 15.58%

Program Coordinator

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

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Program Name : B.Tech. in Mechanical Engineering

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	171HS1T01	English – I	65
2	I	171BS1T01	Mathematics - I	40
3	I	171HS1T02	Environmental Studies	25
4	I	171BS1T03	Engineering Chemistry	25
5	I	171ES1T02	Engineering Mechanics	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab - I	10
8	I	171BS1L01	Engineering Chemistry Lab	20
9	I	171ES1L01	Computer Programming Lab	40
10	II	171HS2T03	English - II	55
11	II	171BS2T02	Mathematics - II	10
12	II	171BS2T06	Mathematics - III	40
13	II	171BS2T07	Engineering Physics	10
14	II	171ES2T03	Engineering Drawing	5
15	II	171ES2T05	Basic Electrical and Electronics Engineering	0
16	II	171HS2L02	English Communication Skills Lab - II	40
17	II	171BS2L02	Engineering Physics Lab	10
18	II	171ES2L02	Engineering Work shop and IT work shop	0

Table title: **Syllabus Revision for the Academic Year 2017-18**

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	III	R1621031	Metallurgy & Materials Science	0
20	III	R1621032	Mechanics of Solids	0
21	III	R1621033	Thermodynamics	0
22	III	R1621026	Managerial Economics and Financial Analysis	0
23	III	R1621034	Fluid Mechanics & Hydraulic Machinery	0
24	III	R1621035	Computer Aided Engineering Drawing Practice	10
25	III	R1621036	Electrical And Electronics Engg. Lab	0
26	III	R1621037	Mechanics of Solids and Metallurgy Lab	0
27	IV	R1622031	Kinematics of Machinery	0
28	IV	R1622032	Thermal Engineering -I	0
29	IV	R1622033	Production Technology	0
30	IV	R1622034	Design of Machine members-I	0
31	IV	R1622035	Machine Drawing	0
32	IV	R1622036	Industrial Engineering and Management	0
33	IV	R1622037	Fluid Mechanics and Hydraulic Machinery Lab	0
34	IV	R1622038	Production Technology Lab	0
35	V	RT31031	Dynamics of Machinery	0
36	V	RT31032	Metal Cutting and Machine Tools	0
37	V	RT31033	Design of Machine members-I	0
38	V	RT31034	Instrumentation and Control systems	0
39	V	RT31035	Thermal Engineering -II	0
40	V	RT31036	Metrology	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
41	V	RT31037	Machine Tools Lab	0
42	V	RT31038	Metrology and instrumentation Lab	0
43	V	RT31016	IPR&Patents	0
44	VI	RT32031	Operations Research	0
45	VI	RT32032	Interactive Computer Graphics	0
46	VI	RT32033	Design of Machine members-II	0
47	VI	RT32034	Robotics	0
48	VI	RT32035	Heat Transfer	0
49	VI	RT32036	Industrial Engineering Management	0
50	VI	RT32037A	Refrigeration and Air Conditioning	0
51	VI	RT32037B	Computational Fluid Dynamics	0
52	VI	RT32037C	Condition Monitoring	0
53	VI	RT32037D	Rapid Prototyping	0
54	VI	RT32038	Heat Transfer Lab	0
55	VII	RT41031	Automobile Engineering	0
56	VII	RT41032	CAD/CAM	0
57	VII	RT41033	finite Element Methods	0
58	VII	RT41034	Unconventional Machining Processes	0
59	VII	RT41035	MEMS	0
60	VII	RT41036	Nano technology	0
61	VII	RT41037	Material Characterization techniques	0
62	VII	RT41038	Design for Manufacture	0
63	VII	RT41039	Automation in Manufacturing	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
64	VII	RT4103A	Industrial hydraulics and Pneumatics	0
65	VII	RT4103L	Simulation Lab	0
66	VII	RT4103M	Design/Fabrication project	0
67	VIII	RT42031	Production Planning and control	0
68	VIII	RT42032	Green Engineering Systems	0
69	VIII	RT42033A	Experimental Stress Analysis	0
70	VIII	RT42033B	Mechatronics	0
71	VIII	RT42033C	Advanced Materials	0
72	VIII	RT42033D	Power Plant Engineering	0
73	VIII	RT42034A	Non Destructive Evaluation	0
74	VIII	RT42034B	Advanced Optimization techniques	0
75	VIII	RT42034C	Gas Dynamics and Jet Propulsion	0
76	VIII	RT42034D	Quality &Reliability Engineering	0
77	VIII	RT42035	Project Work	0
Total number of courses in the academic year 2017-2018				= 77
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-18				9
Percentage of syllabus revision carried out in the academic year 2017-2018 = (9/77)*100				11.68

Program Coordinator

PRINCIPAL
Aditya Engineering College
SURAMPALEM

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 : B.Tech. in Electronics and Communication Engineering

Syllabus Revision for the Academic Year 2017-18

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	171HS1T01	English - I	65
2	I	171BS1T01	Mathematics – I	40
3	I	171BS1T02	Mathematics - II	60
4	I	171BS1T04	Applied Physics	20
5	I	171ES1T03	Engineering Drawing	5
6	I	171ES1T01	Computer Programming	10
7	I	171HS1L01	English Communication Skills Lab - I	0
8	I	171BS1L04	Applied Physics Lab	0
9	I	171ES1L01	Computer Programming Lab	40
10	II	171HS2T03	English – II	55
11	II	171BS2T06	Mathematics – III	40
12	II	171HS2T02	Environmental Studies	20
13	II	171BS2T05	Applied Chemistry	25
14	II	171ES2T06	Electrical and Mechanical Technology	0
15	II	171CS2T01	Data Structures through c	15
16	II	171HS2L02	English Communication Skills Lab – II	40
17	II	171BS2L03	Applied Chemistry Lab	20
18	II	171ES2L02	Engineering Workshop And IT Workshop	10
19	III	R1621041	Electronic Devices and Circuits	0
20	III	R1621042	Switching Theory and Logic Design	0
21	III	R1621043	Signals and Systems	0
22	III	R1621044	Network Analysis	0
23	III	R1621045	Random Variables and Stochastic Process	0
24	III	R1621026	Managerial Economics & Financial Analysis	0
25	III	R1621046	Electronic Devices and Circuits Lab	0
26	III	R1621047	Networks & Electrical Technology Lab	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
27	IV	R1622041	Electronic Circuit Analysis	0
28	IV	R1622042	Control Systems	40
29	IV	R1622043	Electromagnetic Waves and Transmission Lines	0
30	IV	R1622044	Analog Communications	0
31	IV	R1622045	Pulse and Digital Circuits	0
32	IV	R1622026	Management Science	50
33	IV	R1622046	Electronic Circuit Analysis Lab	0
34	IV	R1622047	Analog Communications Lab	0
35	V	RT31041	Pulse & Digital Circuits	0
36	V	RT31042	Linear IC Applications	0
37	V	RT31043	Control Systems	0
38	V	RT31044	Digital System Design & Digital IC Applications	0
39	V	RT31045	Antennas and Wave Propagation	0
40	V	RT31047	Pulse & Digital Circuits Lab	0
41	V	RT31048	LIC Applications Lab	0
42	V	RT31049	Digital System Design & DICA Lab	0
43	V	RT31016	IPR& Patents	0
44	VI	1RT32041	Microprocessors and Microcontrollers	0
45	VI	1RT32042	Digital Signal Processing	0
46	VI	1RT32043	Digital Communications	0
47	VI	1RT32044	Microwave Engineering	0
48	VI	RT32045A	Open Elective--Bio Medical Engineering	0
49	VI	RT32046	Microprocessors and Microcontrollers Lab	0
50	VI	RT32047	Digital Communications Lab	0
51	VI	RT32048	Digital Signal Processing Lab	0
52	VI	RT32049	Seminar	0
53	VII	RT41041	VLSI Design	0
54	VII	RT41042	Computer Networks	0
55	VII	RT41043	Digital Image Processing	0
56	VII	RT41044	Computer Architecture & Organization	0
57	VII	RT41045	1. Electronic Switching Systems	0
58	VII	RT41046	2. Analog IC Design	0
59	VII	RT41047	3. Object Oriented Programming & O S	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
60	VII	RT41048	4. Radar Systems	0
61	VII	RT41049	5. Advanced Computer Architecture	0
62	VII	RT4104A	1. Optical Communication	0
63	VII	RT4104B	2. Digital IC Design	0
64	VII	RT4104C	3. Speech Processing	0
65	VII	RT4104D	4. Artificial Neural Network & Fuzzy Logic	0
66	VII	RT4104E	5. Network Security & Cryptography	0
67	VII	RT4104L	V L S I Lab	0
68	VII	RT4104M	Microwave Engineering Lab	0
69	VIII	RT42041	Cellular Mobile Communication	0
70	VIII	RT42042	Electronic Measurements and Instrumentation	0
71	VIII	RT42043A	1. Satellite Communication	0
72	VIII	RT42043B	2. Mixed signal Design	0
73	VIII	RT42043C	3. Embedded systems	0
74	VIII	RT42043D	4. RF Circuit Design	0
75	VIII	RT42043E	5. Cloud Computing	0
76	VIII	RT42044A	1.Wireless Sensors and Networks	0
77	VIII	RT42044B	2.System on Chip	0
78	VIII	RT42044C	3.Low Power IC Design	0
79	VIII	RT42044D	4.Bio-Medical Instrumentation	0
80	VIII	RT42044E	5.EMI/EMC	0
81	VIII	RT42045	Project & Seminar	0

Total number of courses in the academic year 2017-18	= 81
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-18	= 13
Percentage of syllabus revision carried out in the academic year 2017-18 = (13/81)*100	16%

Program Coordinator

PRINCIPAL
Aditya Engineering College
SURAMPALEM

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

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
/title	Syllabus Revision for the Academic Year 2017-2018			

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	171HS1T01	English – I	0
2	I	171BS1T01	Mathematics – I	25
3	I	171BS1T02	Mathematics – II	20
4	I	171BS1T04	Applied Physics	20
5	I	171ES1T03	Engineering Drawing	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab – I	80
8	I	171BS1L04	Applied Physics Lab	0
9	I	171ES1L01	Computer Programming Lab	40
10	II	171HS2T03	English – II	0
11	II	171BS2T06	Mathematics – III	20
12	II	171HS2T02	Environmental Studies	20
13	II	171BS2T05	Applied Chemistry	20
14	II	171ES2T02	Engineering Mechanics	0
15	II	171CS2T01	Data Structures through C	100
16	II	171HS2L02	English Communication Skills Lab – II	0
17	II	171BS2L03	Applied Chemistry Lab	0
18	II	171ES2L02	Engineering Workshop & IT Workshop	0
19	III	R1621051	Statistics with R Programming	0
20	III	R1621052	Mathematical Foundations of Computer Science	0
21	III	R1621053	Digital Logic Design	0

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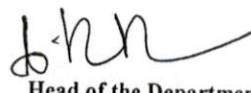| S.No	Semester	Course Code	Course Name	% of content revised for the existing year
22	III	R1621054	Python Programming	0
23	III	R1621055	Data Structures through C++	0
24	III	R1621056	Computer Graphics	0
25	III	R1621057	Data Structures through C++Lab	0
26	III	R1621058	Python Programming Lab	0
27	IV	R1622051	Software Engineering	60
28	IV	R1622052	Java Programming	0
29	IV	R1622053	Advanced Data Structures	0
30	IV	R1622054	Computer Organization	50
31	IV	R1622055	Formal Languages and Automata Theory	0
32	IV	R1622056	Principles of Programming Languages	0
33	IV	R1622057	Advanced Data Structures Lab	70
34	IV	R1622058	Java Programming Lab	0
35	V	RT31051	Compiler Design	0
36	V	RT31052	Data Communication	0
37	V	RT31053	Principles Of Programming Languages	0
38	V	RT31054	Data Base Management Systems	0
39	V	RT31055	Operating Systems	0
40	V	RT31056	Compiler Design Lab	0
41	V	RT31057	Operating Systems & Linux Programming Lab	0
42	V	RT31058	Database Management Systems Lab	0
43	V	RT31059	Seminar	0
44	VI	RT32051	Software Engineering	0
45	VI	RT32052	Data Ware housing and Mining	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
46	VI	RT32053	Computer Networks	0
47	VI	RT32054	Design and Analysis of Algorithms	0
48	VI	RT32055	Web Technologies	0
49	VI	RT32056	IPR and Patents	0
50	VI	RT32057	Computer Networks And Network Programming Lab	0
51	VI	RT32058	Software Engineering Lab	0
52	VI	RT32059	Web Technologies Lab	0
53	VII	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	0
54	VII	RT41052	UML AND DESIGN PATTERNS	0
55	VII	RT41053	MOBILE COMPUTING	0
56	VII	RT41054	SOFTWARE TESTING METHODOLOGIES	0
57	VII	RT41055	Simulation Modeling	0
58	VII	RT41056	Information Retrieval Systems	0
59	VII	RT41057	Artificial Intelligence	0
60	VII	RT41058	Multimedia Computing	0
61	VII	RT41059	High Performance Computing	0
62	VII	RT4105A	Digital Forensics	0
63	VII	RT4105B	Hadoop and Big Data	0
64	VII	RT4105C	Software Project Management	0
65	VII	RT4105D	Machine Learning	0
66	VII	RT4105E	Advanced Databases	0
67	VII	RT4105M	Mobile Application Development Lab	0
68	VII	RT4105N	Software Testing Lab	0
69	VII	RT4105O	Hadoop and Bigdata Lab	0
70	VII	RT4105L	UML and Design Patterns Lab	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
71	VII	RT42051	Distributed Systems	0
72	VIII	RT42052	Management Science	0
73	VIII	RT42053A	Human Computer Interaction	0
74	VIII	RT42053B	Advanced Operating Systems	0
75	VIII	RT42053C	Mobile Adhoc & Sensor Networks	0
76	VIII	RT42053D	Pattern Recognition	0
77	VIII	RT42053E	Digital Image Processing	0
78	VIII	RT42053F	Micro processors and Multi Core Systems	0
79	VIII	RT42043B	Embedded and Real Time Systems	0
80	VIII	RT42043C	Neural Networks & Soft Computing	0
81	VIII	RT42043D	Social Networks and the Semantic Web	0
82	VIII	RT42043E	Cloud Computing	0
83	VIII	RT42055	PROJECT	0

Total number of courses in the academic year 2017-2018	= 83
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 12
Percentage of syllabus revision carried out in the academic year 2017-2018 = (12/83)*100	= 14.46 %

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 2017-2018

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	171HS1T01	English – I	0
2	I	171BS1T01	Mathematics – I	25
3	I	171BS1T02	Mathematics – II	20
4	I	171BS1T04	Applied Physics	20
5	I	171ES1T03	Engineering Drawing	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab – I	80
8	I	171BS1L04	Applied Physics Lab	0
9	I	171ES1L01	Computer Programming Lab	40
10	II	171HS2T03	English – II	0
11	II	171BS2T06	Mathematics – III	20
12	II	171HS2T02	Environmental Studies	20
13	II	171BS2T05	Applied Chemistry	20
14	II	171ES2T02	Engineering Mechanics	0
15	II	171CS2T01	Data Structures through C	0
16	II	171HS2L02	English Communication Skills Lab – II	0
17	II	171BS2L03	Applied Chemistry Lab	0
18	II	171ES2L02	Engineering Workshop & IT Workshop	0
19	III	R1621051	Statistics with R Programming	0
20	III	R1621052	Mathematical Foundations of Computer Science	0
21	III	R1621053	Digital Logic Design	0
22	III	R1621054	Python Programming	0
23	III	R1621055	Data Structures through C++	0
24	III	R1621057	Data Structures through C++ Lab	0
25	III	R1621058	Python Programming Lab	0
26	IV	R1622121	Computer Graphics	100
27	IV	R1622052	Java Programming	0
28	IV	R1622122	E-Commerce	100
29	IV	R1622054	Computer Organization	50
30	IV	R1622123	Object Oriented Analysis and Design using UML	100
31	IV	R1622056	Principles of Programming Languages	0
32	IV	R1622124	Unified Modeling Languages Lab	0
33	IV	R1622058	Java Programming Lab	0
34	V	RT31121	Software Engineering	0

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35	V	RT31052	Data Communication	0
36	V	RT31123	Advanced JAVA	0
37	V	RT31054	Database Management Systems	0
38	V	RT31055	Operating Systems	0
39	V	RT31126	Advanced JAVA Lab	0
40	V	RT31127	Operating System Lab	0
41	V	RT31128	Database Management Systems Lab	0
42	V	RT31057	Linux Programming Lab	0
43	VI	RT31016	IPR and Patents- 1	0
44	VI	RT31059	Seminar	0
45	VI	1RT32053	Computer Networks	0
46	VI	1RT32052	Data Ware housing and Mining	0
47	VI	1RT32054	Design and Analysis of Algorithms	0
48	VI	1RT32121	Software Testing	0
49	VI	1RT32055	Web Technologies	0
50	VI	RT32127	Computer Networks Lab	0
51	VI	RT32128	Software Testing Lab	0
52	VI	RT32129	Web Technologies Lab	0
53	VII	1RT32056	IPR and Patents-II	0
54	VII	RT41051	Cryptography and Network Security	0
55	VII	RT41052	UML & Design Patterns	0
56	VII	RT41053	Mobile Computing	0
57	VII	RT41121	Embedded and Real Time Systems	0
58	VII	RT41056	Information Retreival Systems	0
59	VII	RT41058	Multimedia Computing	0
60	VII	RT4105B	Haddop and Big Data	0
61	VII	RT4105C	Software Project Management	0
62	VII	RT41122	Computer Vision	0
63	VII	RT4105E	Advanced Databases	0
64	VII	RT4112L	UML & Design Patterns Lab	0
65	VII	RT4112M	Mobile Application Development Lab	0
66	VII	RT4112O	Software Engineering Lab	0
67	VII	RT4112N	Hadoop & BigData Lab	0
68	VII	RT42121	MATHEMATICAL OPIMIZATION	0
69	VII	RT42051	DISTRIBUTED SYSTEMS	0
70	VII	RT42052	MANAGEMENT SCIENCE	0
71	VIII	RT42053A	HUMAN COMPUTER INTERACTION	0
72	VIII	RT42053B	ADVANCED OPERATING SYSTEMS	0
73	VIII	RT42053C	MOBILE ADHOC & SENSOR NETWORKS	0
74	VIII	RT42053D	pattern Recognisation	0
75	VIII	RT42122	Project	0
Total number of courses in the academic year 2017-2018				= 75
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018				12
Percentage of syllabus revision carried out in the academic year 2017-2018 = (49/135)*100				= 16%

Program Coordinator

Head of the Department

Head of the Department
Department of IT
Aditya Engineering College

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Program Name : B.Tech. in Mining Engineering

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
**Syllabus Revision for the Academic Year 2017-2018**

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	1	171HS1T01	English - I	65
2	1	171BS1T01	Mathematics - I	30
3	1	171HS1T02	Environmental Studies	20
4	1	171BS1T03	Engineering Chemistry	25
5	1	171ES1T02	Engineering Mechanics	0
6	1	171ES1T01	Computer Programming	10
7	1	171HS1L01	English Communication Skills Lab - I	10
8	1	171BS1L01	Engineering Chemistry Lab	15
9	1	171ES1L01	Computer Programming Lab	5
10	2	171HS2T03	English - II	55
11	2	171BS2T02	Mathematics - II	10
12	2	171BS2T06	Mathematics - III	40
13	2	171BS2T07	Engineering Physics	10
14	2	171ES2T03	Engineering Drawing	18
15	2	171ES2T05	Basic Electrical and Electronics Engineering	0
16	2	171HS2L02	English Communication Skills Lab – II	40
17	2	171BS2L02	Engineering Physics Lab	10
18	2	171ES2L02	Engineering Workshop and ITWorkshop	0
19	3	R1621261	Development of Mineral Deposits	0
20	3	R1621262	Thermal Engineering for Mining	0
21	3	R1621034	Fluid Mechanics and Hydraulic Machines	0
22	3	R1621035	Computer Aided Engineering Drawing Practice	0
23	3	R1621263	Mining Geology – I	0
24	3	R1621026	Managerial Economics & Financial Analysis	0
25	3	R1621036	Electrical and Electronics Engineering Lab	0
26	3	R1621264	Fluid Mechanics and Hydraulic Machines Lab	0
27	4	R1622031	Kinematics of Machinery	0
28	4	R1622261	Materials Engineering	0
29	4	R1622262	Mining Geology – II	0
30	4	R1622263	Mine Surveying – I	0
31	4	R1622264	Surface Mining	0
32	4	R1622036	Industrial Engineering and Management	0
33	4	R1622265	Geology Lab	0
34	4	R1622266	Materials Lab	0
35	4	R1622267	Professional Ethics & Human Values	0
36	5	RT31261	Underground Coal Mining Technology	0
37	5	RT31263	Mine Environment Engineering – I	0
38	5	RT31264	Electrical Equipment in Mines	0
39	5	RT31265	Mine Surveying– II	0
40	5	RT31022	Manegerial Economics &financial analysis	0
41	5	RT31266	Mine mechanization	0
42	5	RT31267	Advanced English Communication Skills Lab	0
43	5	RT31268	Mine Surveying Lab	0
44	5	RT31016	IPR & Patents	0

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45	5	RT31260	Mine Field visit(Mandatory)	0
46	6	1RT32261	Mine Systems Engineering	0
47	6	1RT32262	Mineral Engineering and Fuel Technology	0
48	6	1RT32263	Mine Environmental Engineering – II	0
49	6	1RT32264	Mining Machinery	0
50	6	1RT32265	Under Ground Metal Mining Technology	0
51	6	RT32266A	Rock Slope Engineering	0
52	6	RT32266B	Mine Subsidence Engineering	0
53	6	RT32266C	Rock Fragmentation Engineering	0
54	6	RT32267	Mineral Engineering Lab	0
55	6	RT32268	Environmental Engineering Lab	0
56	6	RT32269	Industrial Training (3-4weeks)	0
57	7	RT41261	Mine Economics	100
58	7	RT41262	Computer Applications in Mining	100
59	7	RT41263	Rock Mechanics & Ground Control	100
60	7	RT41264	Mine Legislation & General Safety	100
61	7	RT41265	Industrial Robotics	100
62	7	RT41266	Environmental Impact Assesment	100
63	7	RT41267	Numerical Methods	100
64	7	RT41268	Industrial Management	100
65	7	RT4126L	Computer Applications in Mining Lab	100
66	7	RT4126M	Rock Mechanics & Ground Control Lab	100
67	7	RT4126N	Short Survey Camp (One Week)	100
68	8	RT42031	Production Planning and Control	100
69	8	RT42262A	Deep Sea Mining	100
70	8	RT42262B	Mine Construction	100
71	8	RT42262C	Tunneling Engineering	100
72	8	RT42263A	Planning of Under Ground Metal Mining Project	100
73	8	RT42263B	Planning of Under Ground Coal Mining Project	100
74	8	RT42263C	Planning of Surface Mining Projects	100
75	8	RT42264A	Maintenance & Reliability Engineering	100
76	8	RT42264B	Rock Excavation Engineering	100
77	8	RT42264C	Mine Health and Safety Engineering	100
78	8	RT42265	Project	100
Total number of courses in the academic year 2017-2018				78
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018				30
Percentage of syllabus revision carried out in the academic year 2017-2018 = (30/78)*100				38.46

Program Coordinator

Head of the Department

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

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Program Name : B.Tech. in Petroleum Technology

Syllabus Revision for the Academic Year 2017-2018

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	171HS1T01	English - I	65
2	I	171BS1T01	Mathematics - I	40
3	I	171HS1T02	Environmental Studies	20
4	I	171BS1T03	Engineering Chemistry	25
5	I	171ES1T02	Engineering Mechanics	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab - I	10
8	I	171BS1L01	Engineering Chemistry Lab	20
9	I	171ES1L01	Computer Programming Lab	40
10	II	171HS2T03	English - II	55
11	II	171BS2T06	Mathematics - III	40
12	II	171BS2T02	Mathematics - II	10
13	II	171BS2T07	Engineering Physics	25
14	II	171ES2T03	Engineering Drawing	0
15	II	171ES2T07	Elements Of Mechanical Engineering	0
16	II	171HS2L02	English Communication Skills Lab - II	40
17	II	171BS2L02	Engineering Physics Lab	10
18	II	171ES2L02	Engineering Workshop And IT Workshop	0
19	III	R1621081	Complex Variables	0
20	III	R1621012	Basic Electrical And Electronics Engineering	0
21	III	R1621272	General Geology	0
22	III	R1621273	Surveying And Offshore Structures	0
23	III	R1621084	Chemical Process Calculations	0
24	III	R1621271	Materials Science And Engineering	0
25	III	R1621085	Basic Engineering (Mech. + Elec.) Lab	0
26	III	R1621274	Geology And Surveying Lab	0
27	III	R1621075	Managerial Economics And Financial Analysis	0
28	IV	R1622271	Probability And Statistics	30
29	IV	R1622272	Momentum Transfer	0
30	IV	R1622273	Petroleum Geology	0
31	IV	R1622274	Thermodynamics For Petroleum Engineers	0
32	IV	R1622275	Process Heat Transfer	10
33	IV	R1622276	Petroleum Exploration	0
34	IV	R1622277	Momentum Transfer Lab	0
35	IV	R1622278	Process Heat Transfer Lab	0
36	IV	R1621019	Professional Ethics And Human Values	0
37	V	RT31086	Process Instrumentation	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
41	V	RT31274	Well Engineering	0
42	V	RT31275	Process Dynamics And Control	0
43	V	RT31277	Instrumentation And Process Control Lab	0
44	V	RT31278	Drilling Fluids Lab	0
45	VI	RT32271	Well Completions	0
46	VI	RT32272	Petroleum Reservior Engineering-I	0
47	VI	RT32273	Petroleum Production Engineering And Design	0
48	VI	RT32274	Petroleum Refinery And Petrochemical Engineering	0
49	VI	RT32275	Surface Production Operations	0
50	VI	RT32277	Petroleum Analysis Lab	0
51	VI	RT32278	Drilling Simulation Lab	0
52	VI	RT32056	IPR Patents	0
53	VII	RT41271	Integrated Asset Management	0
54	VII	RT41272	Enhanced Oil Recovery Techniques	0
55	VII	RT41273	HSE And FE In Petroleum Industry	0
56	VII	RT41274	Petroleum Reservoir Engineering - II	0
57	VII	RT41016F	Green Fuel Technologies	0
58	VII	RT41016A	Energy Management	0
59	VII	RT41016B	Fundamentals Of Petroleum Industry	0
60	VII	RT41016C	Offshore Enginnering	0
61	VII	RT41016D	Pipeline Enginnering	0
62	VII	RT41279	Coal Bed Methane Engineering	0
63	VII	RT4127L	Petroleum Equipment Design And Simulation Lab	0
64	VII	RT4127M	Petroleum Reservoir Engineering Lab	0
65	VII	RT4127N	Presentation Of Sip Report	0
66	VIII	RT42275	Project	0
67	VIII	RT42271	Petroleum Economics And Regulations And Policies	0
68	VIII	RT42272A	Reservoir Modeling And Simulation	0
69	VIII	RT42272B	Horizontal Well Technology	0
70	VIII	RT42272C	Lng-Processes And Transportation And Storage	0
71	VIII	RT42273A	Reservoir Stimulation	0
72	VIII	RT42273B	Subsea Engineering	0
73	VIII	RT42273C	Fundamentals Of Multiphase Flow	0
74	VIII	RT42274A	Natural Gas Hydrates	0
75	VIII	RT42274B	Advanced Natural Gas Engineering	0
76	VIII	RT42274C	Petroleum Biotechnology	0

Total number of courses in the academic year 2017-2018	= 76
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 11
Percentage of syllabus revision carried out in the academic year 2017-2018 = (11/76)*100	= 14.47%

Program Coordinator

Head of the Department
Head of the Department

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Program Name : B.Tech. in Agricultural Engineering

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
Syllabus Revision for the Academic Year 2017-2018				
1	I	171HS1T01	English – I	65
2	I	171BS1T01	Mathematics – I	40
3	I	171HS1T02	Environmental Studies	20
4	I	171BS1T03	Engineering Chemistry	25
5	I	171ES1T02	Engineering Mechanics	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab – I	10
8	I	171BS1L01	Engineering Chemistry Lab	20
9	I	171ES1L01	Computer Programming Lab	40
10	II	171HS2T03	English – II	55
11	II	171BS2T02	Mathematics - II	10
12	II	171BS2T06	Mathematics - III	40
13	II	171BS2T07	Engineering Physics	10
14	II	171ES2T03	Engineering Drawing	0
15	II	171ES2T08	Theory of Machines	20

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16	II	171HS2L02	English Communication Skills Lab – II	40
17	II	171BS2L02	Engineering Physics Lab	10
18	II	171ES2L02	Engineering Workshop & IT Workshop	0
19	III	R1621351	Fluid Mechanics and Open Channel Hydraulics	0
20	III	R1621352	Renewable Energy Sources	0
21	III	R1621353	Ground Water Hydrology, Well and Pumps	0
22	III	R1621354	Properties and Strength of Materials	0
23	III	R1621355	Electrical Systems	0
24	III	R1621356	Surveying	0
25	III	R1621357	Fluid Mechanics and Open Channel Hydraulics Lab	0
26	III	R1621358	Surveying Lab	0
27	IV	R1622351	Theory of Structures	0
28	IV	R1622352	Heat and Mass Transfer	0
29	IV	R1622353	Theory of Machines	0
30	IV	R1622354	Soil Mechanics	0
31	IV	R1622355	Surface Water Hydrology	0
32	IV	R1622356	Farm Power and Tractor Systems	0
33	IV	R1622357	Soil Science and Agronomy Field Lab	0
34	IV	R1622358	Machine Drawing and Computer Graphics Lab	0
35	V	RT31016	IPR & Patents	0
36	V	RT31267	Advanced English Communications Skills Lab	0

37	V	RT31351	Thermodynamics and Refrigeration systems	0
38	V	RT31352	Soil and water Conservation Engineering	0
39	V	RT31353	Agricultural Process Engineering	0
40	V	RT31354	Engineering Properties of Biological Materials and Food Quality	0
41	V	RT31355	Agricultural Extension Techniques and Business Management	0
42	V	RT31358	Farm Machinery Lab	0
43	V	RT31359	Seminar	0
44	VI	RT32351	Irrigation And Drainage Engineering	0
45	VI	RT32352	Farm Machinery And Equipment I	0
46	VI	RT32353	Design Of Soil & Water Conservation And Farm Structures	0
47	VI	RT32354	Dairy And Food Engineering	0
48	VI	RT32355	Theory Of Structures	0
49	VI	RT32356A	Operations Research	0
50	VI	RT32356B	Digital Control systems	0
51	VI	RT32356C	Robotics & Automation	0
52	VI	RT32356D	Industrial Pollution Control Engineering	0
53	VI	RT32356E	Advanced Separation Technology	0
54	VI	RT32356F	Mechatronics	0
55	VI	RT32356G	Finite Element Method	0
56	VI	RT32356H	Soil Dynamics and Machine Foundations	0
57	VI	RT32356I	Water Resources System Planning and Management	0

58	VI	RT32356J	Green Technologies	0
59	VI	RT32357	Agricultural Process Engineering Lab	0
60	VI	RT32358	Soil And Water Engineering Lab	0
61	VII	RT41351	Micro irrigation engineering	100
62	VII	RT41352	Farm machinery and equipments II	100
63	VII	RT41353	Post harvest engineering for horticulture produce	100
64	VII	RT41354	Mechanical measurements and instrumentation	100
65	VII	RT41355	Seed processing and storage engineering	100
66	VII	RT41356	Managerial economics & financial Analysis	100
67	VII	RT41357	Food processing plant design and layout	100
68	VII	RT41358	Watershed management	100
69	VII	RT41359	Food packaging technology	100
70	VII	RT41310	Computational Fluid Dynamics	100
71	VII	RT4135L	Field operation and maintenance of tractors and farm machinery lab	100
72	VII	RT4135M	Dairy and food engineering lab	100
73	VIII	RT42351	Design of agricultural machinery	100
74	VIII	RT42352	Agro industries and bi-product utilization	100
75	VIII	RT42353A	GIS and remote sensing	100
76	VIII	RT42353B	Human engineering and safety	100
77	VIII	RT42353C	Production Technology of Agricultural Machinery	100
78	VIII	RT42354C	Principles of entrepreneurship	100

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79	VIII	RT42354A	Minor Irrigation and Command area development	100
80	VIII	RT42354B	Hydraulic Devices and Control	100
81	VIII	RT42355	Project work	100
Total number of courses in the academic year 2017-2018				81
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018				31
Percentage of syllabus revision carried out in the academic year 2017-2018 = (31/81)*100				38.27

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
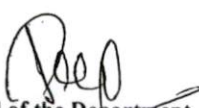
	Syllabus Revision for the Academic Year 2017-2018				
S.No	Semester	Course Code	Course Name		% of content revised for the existing year
1	I	172SE1T01	Advanced Mathematics		0
2	I	172SE1T02	Theory of Elasticity		0
3	I	172SE1T03	Matrix Analysis of Structures		0
4	I	172SE1T04	Structural Dynamics		0
5	I	172SE1E01	Experimental Stress Analysis		20
6	I	172SE1E02	Sub Structure Design		30
7	I	172SE1E03	Structural Optimization		0
8	I	172SE1E04	Repair and Rehabilitation of Structures		0
9	I	172SE1E05	Analysis and Design of Tall Building		20
10	I	172SE1E06	Plastic Analysis ansd Design		20
11	I	172SE1L01	Advanced Structural Engineering Laboratory		0
12	II	172SE2T05	Finite Element Method		0
13	II	172SE2T06	Earthquake Resistant Design		0
14	II	172SE2T07	Stability of Structures		0
15	II	172SE2T08	Theory of Plates & Shells		0
16	II	172SE2E07	Prestressed Concrete		0
17	II	172SE2E08	Mechanics of Composite Materials		0
18	II	172SE2E09	Fracture Mechanics		0
19	II	172SE2E10	Industrial Structures		0

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20	II	172SE2E11	Bridge Engineering	0
21	II	172SE2E12	Earth Retaining Structures	0
22	II	172SE2L02	CAD Laboratory	0
23	III	172SE3C01	Comprehensive Viva - Voce	0
24	III	172SE3R01	Seminar-1	0
25	III	-----	Project Work Part -1	0
26	IV	172SE4R02	Seminar -II	0
27	IV	172SE4P01	Project Work Part -II	0

Total number of courses in the academic year 2017-2018	= 27
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 4
Percentage of syllabus revision carried out in the academic year 2017-2018 = (4/27)*100	= 14.81%

Program Coordinator

Head of the Department

Head of the Department
Dept. of Civil Engineering
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Program Name : M.Tech. in Power Electronics and Drives
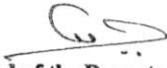
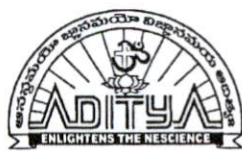| S.No	Semester	Course Code	Course Name	% of content revised for the existing year
			Syllabus Revision for the Academic Year 2017-2018	
1	I	172PD1T01	Electrical Machine Modeling & Analysis	0
2	I	172PD1T02	Analysis of Power Electronic Converters	0
3	I	172PD1T03	Power Electronic Control of DC Drives	0
4	I	172PD1T04	Flexible AC Transmission Systems	0
5	I	172PD1E01	Modern Control Theory	20
6	I	172PD1E02	Power Quality	0
7	I	172PD1E03	Optimization Techniques	20
8	I	172PD1E04	Energy Auditing, Conservation & Management	0
9	I	172PD1E05	Artificial Intelligence Techniques	20
10	I	172PD1E06	HVDC Transmission	20
11	I	172PD1L01	Simulation Lab	0
12	II	172PD2T05	Switched Mode Power Conversion	0
13	II	172PD2T06	Power Electronics Control of AC Drives	0
14	II	172PD2T07	Digital Controllers	0
15	II	172PD2T08	Custom Power Devices	0
16	II	172PD2E07	Renewable Energy Systems	0
17	II	172PD2E08	Reactive Power Compensation & Management	0
18	II	172PD2E09	Electrical Distribution System	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	II	172PD2E10	Smart Grid Technologies	0
20	II	172PD2E11	Special Machines	0
21	II	172PD2E12	Programmable Logic Controllers & Applications	0
22	II	172PD2L02	Power Converters & Drives Lab	0
23	III	K4301	Comprehensive Viva-Voce	0
24	III	K4302	Seminar – I	0
25	III	K4303	Project Work Part - I	0
26	IV	L4301	Seminar – II	0
27	IV	L4302	Project Work Part - II	0

Total number of courses in the academic year 2017-2018	= 27
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 4
Percentage of syllabus revision carried out in the academic year 2017-2018 = (4/27)*100	= 14.81%

Program Coordinator

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

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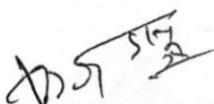Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956
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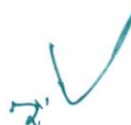
Program Name : M.Tech. in Thermal Engineering

			Syllabus Revision for the Academic Year 2017-2018	
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	172TE1T01	Optimization Techniques & Applications	0
2	I	172TE1T02	Advanced Thermodynamics	0
3	I	172TE1T03	Advanced Heat & Mass Transfer	0
4	I	172TE1T04	Advanced Fluid Mechanics	0
5	I	172TE1E01	Gas Dynamics	0
6	I	172TE1E02	Refrigeration & Cryogenics	20
7	I	172TE1E03	Renewable Energy Technologies	0
8	I	172TE1E04	Theory and Technologies of Fuel Cells	0
9	I	172TE1E05	Advanced IC Engines	0
10	I	172TE1E06	Solar Energy Technology	20
11	I	172TE1E07	Turbo Machines	0
12	I	172TE1E08	Alternative Fuels Technologies	0
13	I	172TE1L01	Thermal Engineering Lab	0
14	II	172TE2T05	Fuels, Combustion & Environment	0
15	II	172TE2T06	Energy Management	0
16	II	172TE2T08	Finite Element Method	0
17	II	172TE2T07	Computational Fluid Dynamics	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
18	II	172TE2E09	Materials Technology	0
19	II	172TE2E10	Convective Heat Transfer	0
20	II	172TE2E11	Thermal and Nuclear Power Plants	0
21	II	172TE2E12	Advanced Automobile Engineering	0
22	II	172TE2E13	Thermal Measurements and Process Controls	0
23	II	172TE2E14	Cryogenic Engineering	0
24	II	172TE2E15	Jet Propulsion and Rocketry	0
25	II	172TE2E16	Equipment Design for Thermal Systems	0
26	II	172TE2L02	Thermal Systems Design Lab	0
27	III	163204A	Comprehensive Viva-Voce	0
28	III	163204B	Seminar – I	0
29	III	163204C	Project Work Part - I	0
30	IV	164204A	Seminar – II	0
31	IV	164204B	Project Work Part - II	0
Total number of courses in the academic year 2017-2018				31
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018				2
Percentage of syllabus revision carried out in the academic year 2017-2018 = (2/31)*100				= 6

Program Coordinator

Head of the Department

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Program Name : M.Tech. in VLSI Design
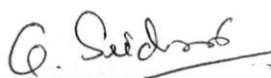
Syllabus Revision for the Academic Year 2017-18

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	172EM1T01	Digital System Design	5
2	I	172VD1T01	VLSI Technology & Design	10
3	I	172VD1T02	CMOS Analog IC Design	0
4	I	172VD1T03	CMOS Digital IC Design	0
5	I	172EM1E01	Cyber Security	0
6	I	172VD1E01	Digital Design using HDL	0
7	I	172CO1E02	Advanced Operating Systems	10
8	I	172EM1E03	Soft Computing Techniques	50
9	I	172VD1E02	CPLD / FPGA Architectures & Applications	4
10	I	172VD1E03	Hardware Software Co - Design	0
11	I	172EM1E07	Advanced Computer Architecture	0
12	I	172VD1L01	Front End VLSI Design - Lab	0
13	II	172VD2T04	CMOS Mixed Signal Circuit Design	0
14	II	172VD2T05	Embedded System Design	0
15	II	172VD2T06	Low Power VLSI Design	30
16	II	172VD2T07	Design For Testability	0
17	II	172VD2E04	CAD for VLSI	0
18	II	172EM2T06	DSP Processors & Architectures	0
19	II	172VD2E05	VLSI Signal Processing	0
20	II	172EM2E08	System on Chip Design	0
21	II	172VD2E06	Optimization Techniques in VLSI Design	8
22	II	172VD2E07	Semiconductor Memory Design and Testing	0
23	II	172VD2L02	Back end VLSI Design Laboratory	60
24	III		Comprehensive Viva-Voce	100
25	III		Seminar – I	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
26	III		Project Work Part – I	0
27	IV		Seminar – II	0
28	IV		Project Work Part - II	0

Total number of courses in the academic year 2017-18	28
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-18	4
Percentage of syllabus revision carried out in the academic year 2017-18 = (4/28)*100	14.28

Program Coordinator

Head of the Department

Head of the Department
Department of E.C.E.
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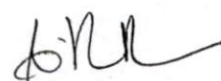
Program Name : M.Tech. in Computer Science and Engineering

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
			Syllabus Revision for the Academic Year 2017-2018	
1	I	172CO1T01	Advanced Data Structures & Algorithm Analysis	0
2	I	172CO1T02	Database Management System	0
3	I	172CO1T03	Computer Organization & Architecture	40
4	I	172CO1T04	Mathematical Foundations of Computer Science	0
5	I	172CO1T05	Computer Networks	50
6	I	172CO1E01	Software Engineering	0
7	I	172CO1E02	Advanced Operating Systems	0
8	I	172CO1E03	Compiler Design	0
9	I	172CO1E04	Human Computer Interaction	100
10	I	172CO1L01	Advanced Data Structures & Database Management Systems Lab	100
11	II	172CO2T06	Cyber Security	0
12	II	172CO2T07	Data Ware Housing & Data Mining	0
13	II	172CO2T08	Big Data Analytics	0
14	II	172CO2T09	Advanced Unix Programming	0
15	II	172CO2E05	Machine Learning	0
16	II	172CO2E06	Digital Image Processing	0
17	II	172CO2E07	Mobile Computing	0
18	II	172CO2E08	Cloud Computing	0
19	II	172CO2E09	Internet of Things	100
20	II	172CO2E10	Bio Informatics	100
21	II	172CO2L02	Advanced Unix Programming and Hadoop & Bigdata Lab	100
22	III	K5801	Comprehensive Viva-Voce	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
23	III	K5802	Seminar – I	0
24	III	K5803	Project Work Part - I	0
25	IV	L5801	Seminar – II	0
26	IV	L5802	Project Work Part - II	0

Total number of courses in the academic year 2017-2018	= 26
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 7
Percentage of syllabus revision carried out in the academic year 2017-2018 = (8/26)*100	= 26.92%

Program Coordinator

Head of the Department

Head of the Department
Department of CSE
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Program Name : M.Tech. in Petroleum Engineering

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	172PE1T01	Advanced Numerical Methods and Applied Statistics	0
2	I	172PE1T05	PE Stream: Offshore Drilling	0
3	I	172PE1T06	Non-PE Stream: Fundamentals of Petroleum Geology and Reservoir Engineering	0
4	I	172PE1T07	Reservoir stimulation	0
5	I	172PE1T08	Non-PE Stream: Petroleum Drilling and Production Engineering	0
6	I	172PE1T02	Transportation of Oil and Gas	0
7	I	172PE1T03	Advanced EOR Techniques for field developments	0
8	I	172PE1T04	Project Management	0
9	I	172PE1L01	Advanced Numerical Methods and Applied Statistics (MATLAB Based) Lab	0
10	II	172PE2T09	Advanced Natural Gas Engineering	0
11	II	172PE2T10	Artificial Lift Techniques	0
12	II	172PE2T11	Operational Aspects of Well Testing	0
13	II	172PE2T12	Integrated Reservoir Management	0
14	II	172PE2E01	Practical Reservoir Modeling and Simulation	0
15	II	172PE2E02	Optimization of Oil and Gas Production	20
16	II	172PE2E03	Flow Assurance	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
17	II	172PE2E04	Process Safety and Environmental Aspects in Petroleum Industry	0
18	II	172PE2E05	Deep Water Technologies	20
19	II	172PE2E06	Characterization of Petroleum Oils	0
20	III	172PE2L02	Reservoir Simulation Lab	0
21	III	k0801	Summer Internship	0
22	IV	l0801	Presentation of Summer Internship Report	0
23	IV	l0802	Seminar on Advanced Topics in Petroleum Engineering	0

Total number of courses in the academic year 2017-2018	= 23
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 2
Percentage of syllabus revision carried out in the academic year 2017-2018 = (2/23)*100	= 8.69%

Program Coordinator

Head of the Department

Head of the Department
Department of Petroleum Technology
Aditya Engineering College (A)
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Program Name : <mark>M.Tech. in Embedded Systems</mark>
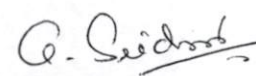
Syllabus Revision for the Academic Year 2017-18

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	172EM1T01	Digital System Design	0
2	I	172EM1T02	Embedded System Design	20
3	I	172EM1T03	Real Time Operating Systems	20
4	I	172EM1T04	Embedded - C	10
5	I	172EM1E01	Cyber Security	0
6	I	172EM1E02	Sensors and Actuators	0
7	I	172CO1E02	Advanced Operating Systems	8
8	I	172EM1E03	Soft Computing Techniques	50
9	I	172EM1E04	Embedded Computing	5
10	I	172EM1E05	Device Drivers	100
11	I	172EM1E06	Network Security and cryptography	10
12	I	172EM1E07	Advanced Computer Architecture	0
13	I	172EM1L01	Embedded Systems Lab	66
14	II	172EM2T05	Hardware Software Co - Design	0
15	II	172EM2T06	DSP Processors &Architectures	0
16	II	172EM2T07	Embedded Networking	0
17	II	172EM2T08	CPLD / FPGA Architectures & Applications	0
18	II	172EM2E08	System on Chip Design	15
19	II	172VD2T04	CMOS Mixed Signal Circuit Design	0
20	II	172EM2E09	MEMS Design	0
21	II	172EM2E10	Internet Protocols	0
22	II	172VD2T07	Design For Testability	100
23	II	172EM2E11	Wireless LANs and PANs	0
24	II	172EM2E12	Multimedia & Signal Coding	0
25	II	172EM2L02	Embedded Real Time Systems Lab	0
26	III		Comprehensive Viva-Voce	100

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
27	III		Seminar – I	0
28	III		Project Work Part – I	0
29	IV		Seminar – II	0
30	IV		Project Work Part - II	0

Total number of courses in the academic year 2017-18	30
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-18	7
Percentage of syllabus revision carried out in the academic year 2017-18 = (7/30)*100	23.30%

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 Software Engineering**	
			Syllabus Revision for the Academic Year 2017-2018	
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	172SO1T01	Software Requirements And Estimation	0
2	I	172SO1T02	Software Metrics And Reuse	0
3	I	172SO1T03	Software Project And Process Management	0
4	I	172SO1T04	Big Data Analytics	35
5	I	172SO1E01	Web Technologies	0
6	I	172SO1E02	Middleware Technologies	100
7	I	172SO1E03	Mobile Computing	100
8	I	172SO1E04	E-Commerce	0
9	I	172SO1E05	Scripting Languages	0
10	I	172SO1E06	ERP & Supply Chain Management	0
11	I	172SO1L01	Web Technologies & Big Data Analytics Lab	0
12	II	172SO2T05	Software Architecture And Design Patterns	0
13	II	172SO2T06	Software Quality Assurance And Testing	0
14	II	172CO2T06	Cyber Security	0
15	II	172SO2T07	Service Oriented Architectures	0
16	II	172SO2E07	Secure Software Engineering	0
17	II	172SO2E08	Systems Engineering	0
18	II	172SO2E09	Soft Computing	100
19	II	172SO2E10	User Interface Design	0
20	II	172CO2E08	Cloud Computing	80
21	II	172CO2E09	Internet Of Things	100
22	II	172SO2L02	Software Testing & Design Patterns Lab	0
Total number of courses in the academic year 20107-2018				= 22
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018				6
Percentage of syllabus revision carried out in the academic year 2017-2018 = (49/135)*100				= 27.27%

Program Coordinator

Head of the Department

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Program Name : <mark>MASTER OF BUSINESS ADMINISTRATION</mark>

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
			Syllabus Revision for the Academic Year 2017-18	
1	I	174MB1T01	Principles of Management	0
2	I	174MB1T02	Managerial Economics	0
3	I	174MB1T03	Accounting for Managers	0
4	I	174MB1T04	Managerial Communication & Soft Skills	0
5	I	174MB1T05	Business Environment	0
6	I	174MB1T06	Quantitative Analysis for Business Decisions	0
7	I	174MB1L01	IT - LAB	0
8	II	174MB2T07	Financial Management	0
9	II	174MB2T08	Human Resource Management	0
10	II	174MB2T09	Marketing Management	0
11	II	174MB2T10	Production & Operations Management	0
12	II	174MB2T11	Business Research Methods	0
13	II	174MB2T12	Organizational Behavior	0
14	II	174MB2P01	Minor Project	0
15	III	MB1631	Strategic Management	0
16	III	MB1632	Legal Aspects of Business	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
17	III	MB1633	Business Ethics & Corporate Governance	100
18	IV	MB1641	Logistic and Supply Chain Management	0
19	IV	MB1642	Entrepreneurship Development	0
20	III	MB1634	Leadership Management	100
21	III	MB1638	Compensation and Reward Management	0
22	III	MB163C	Performance Management	100
23	III	MB163G	Strategic Human Resource Management	100
24	III	MB1635	Security Analysis & Portfolio Management	100
25	III	MB1639	Banking and Insurance Management	0
26	III	MB163D	Advance Management Accounting	0
27	III	MB163H	Strategic Financial Management	100
28	III	MB1636	Consumer Behavior	0
29	III	MB163A	Retail Management	0
30	III	MB163E	Customer Relationship Management	100
31	III	MB163I	Strategic Marketing Management	100
32	IV	MB1643	Organizational Development & Change Management	100
33	IV	MB1647	Global HRM	0
34	IV	MB164B	Labor Welfare & Legislation	100
35	IV	MB164F	Management of Industrial Relations	0
36	IV	MB1644	Financial Markets and Services	100
37	IV	MB1648	Global Financial Management	0

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
38	IV	MB164C	Risk Management	0
39	IV	MB164G	Tax Management	100
40	IV	MB1645	Services Marketing	0
41	IV	MB1649	Promotional Distribution Management	0
42	IV	MB164D	Global Marketing Management	100
43	IV	MB164H	Supply Chain Management	100
44	IV	MB164J	Major Project & Comprehensive Viva	0
45	III	MB163K	E-Business	0
46	III	MB163L	RDBMS	100
47	III	MB163M	System Analysis & Design	100
48	III	MB163N	Web Designing	100
49	IV	MB164O	Business Intelligence	100
50	IV	MB164P	Enterprise Resource Planning	0
51	IV	MB164Q	Cyber Laws & Security	100
52	IV	MB164R	Information Systems Audit	0

Total number of courses in the academic year 2017-2018	= 52
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 19
Percentage of syllabus revision carried out in the academic year 2017-2018 = (19/52)*100	'= 36.5%

D. Meloji
Program Coordinator

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N. Uiral

Head of the Department
Head of the Department
Department of Management Studies
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SURAMPALEM

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Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Program Name : INTEGRATED MASTER OF BUSINESS ADMINISTRATION

Syllabus Revision for the Academic Year 2017-2018

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	III	16IM301	Principles of Management	100
3	III	16IM302	Cost Accounting	100
4	III	16IM303	Banking Theory & Practice	100
5	III	16IM304	Business Law	100
6	III	16IM305	Entrepreneurship Development	100
7	IV	16IM401	Organizational Behavior	100
8	IV	16IM402	Management Accounting	100
9	IV	16IM403	Company Law	100
10	IV	16IM404	Elements of Direct & Indirect Taxes	100
11	IV	16IM405	Management Information Systems	100
12	I	175IM1T01	English Language – I	0
13	I	175IM1T02	Business Mathematics & Statistics	0
14	I	175IM1T03	Fundamentals of Business Organization	0
15	I	175IM1T04	Financial Accounting – I	0
16	I	175IM1T05	Fundamentals of Computers	0
17	II	175IM2T06	English Language – II	0

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S.No	Semester	Course Code	Course Name	% of content revised for the existing year
18	II	175IM2T07	Business Environment	0
19	II	175IM2T08	Managerial Economics	0
20	II	175IM2T09	Financial Accounting – II	0
21	II	175IM2T10	Organizational Communications	0

Total number of courses in the academic year 2017-2018	= 20
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 10
Percentage of syllabus revision carried out in the academic year 2017-2018 = (10/20)*100	= 50%

K. Shailaja
Program Coordinator

N. Vinay
Head of the Department

Head of the Department
Department of Management Studies
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Program Name : Master of Computer Applications

S.NO.	Semester	Course Code	Course Name	% of content revised for the existing year
Syllabus Revision for the Academic Year 2017-2018

S.NO.	Semester	Course Code	Course Name	% of content revised for the existing year
1	1	173MC1T01	C PROGRAMMING AND DATA STRUCTURES	0
2	1	173MC1T02	COMPUTER ORGANIZATION	0
3	1	173MC1T03	DISCRETE MATHEMATICAL STRUCTURES AND GRAPH THEORY	0
4	1	173MC1T04	STATISTICAL PROGRAMMING WITH R	0
5	1	173MC1T05	ACCOUNTING AND FINANCIAL MANAGEMENT	0
6	1	173MC1L01	ENGLISH LANGUAGE COMMUNICATION SKILLS LAB	0
7	1	173MC1L02	C PROGRAMMING LAB	0
8	1	173MC1L03	STATISTICAL PROGRAMMING WITH R LAB	0
9	2	173MC1T06	OOPS THROUGH JAVA	0
10	2	173MC1T07	OPERATING SYSTEMS	0
11	2	173MC1T08	SOFTWARE ENGINEERING	0
12	2	173MC1T09	OPTIMIZATION TECHNIQUES	0
13	2	173MC1T10	COMPUTER GRAPHICS	0
14	2	173MC1L04	OOPS THROUGH JAVA LAB	0
15	2	173MC1L05	DATA STRUCTURES LAB	0
16	2	173MC1L06	OPERATING SYSTEM & COMPUTER GRAPHICS LAB	0
17	3	MC1631	DATA BASE MANAGEMENT SYSTEMS	0
18	3	MC1632	COMPUTER NETWORKS	0
19	3	MC1633	UNIX PROGRAMMING	0
20	3	MC1634	MANAGEMENT INFORMATION SYSTEM	0
21	3	MC1635	DESIGN AND ANALYSIS OF ALGORITHMS	0
22	3	MC1636	DATA BASE MANAGEMENT SYSTEMS LAB	0
23	3	MC1637	UNIX PROGRAMMING LAB	0
24	3	MC1638	COMPUTER NETWORKS LAB	100
25	4	MC1641	OBJECT ORIENTED ANALYSIS AND DESIGN	100
26	4	MC1642	ADVANCED JAVA & WEB TECHNOLOGIES	0
27	4	MC1643	DATA WAREHOUSING AND MINING	0
28	4	MC1644	MOBILE COMPUTING	0
29	4	MC1645	HUMAN COMPUTER INTERACTION	0
30	4	MC1646	CLOUD COMPUTING	100

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S.NO.	Semester	Course Code	Course Name	% of content revised for the existing year
31	4	MC1647	SOFTWARE PROJECT MANAGEMENT	100
32	4	MC1648	ARTIFICIAL INTELLIGENCE	0
33	4	MC1649	EMBEDDED SYSTEMS	100
34	4	MC164A	ADVANCED JAVA & WEB TECHNOLOGIES LAB	0
35	4	MC164B	DATA WAREHOUSING AND MINING LAB	0
36	4	MC164C	OBJECT ORIENTED ANALYSIS AND DESIGN LAB	100
37	5	MC1651	INFORMATION SECURITY	0
38	5	MC1652	NETWORK PROGRAMMING	0
39	5	MC1641	OBJECT ORIENTED ANALYSIS AND DESIGN (USING UML	0
40	5	MC165D	ANIMATION & GAMING	0
41	5	MC1655	COMPUTER FORENSICS	0
42	5	MC1656	E-COMMERCE	0
43	5	MC1657	MIDDLE WARE TECHNOLOGIES	0
44	5	MC1658	MULTIMEDIA APPLICATION DEVELOPMENT	0
45	5	MC1659	SOFTWARE PROJECT MANAGEMENT	0
46	5	MC164C	UML LAB	0
47	5	MC165B	NETWORK PROGRAMMING LAB	0
48	6	MC13R01	PROJECT SEMINAR	0
49	6	MC13P01	DISSERTATION/ THESIS	0

Total number of courses in the academic year 2017-2018	= 49
Number of courses having revision in syllabus content >/= 20% in the academic year 2017-2018	= 6
Percentage of syllabus revision carried out in the academic year 2017-2018 = (6/49)*100	= 12.24

T. Satya
Program Coordinator

Beulah
Head of the Department
Head of the Department
Department of MCA
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