

ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

1.1.2. Syllabus revision Carried out (Program Wise) in the academic year 2018-19

Supporting Documents

S.NO	Description	Page Number
1	Department wise summary sheet	1
2	B. Tech (Civil Engineering)	2
3	B. Tech (Electrical and Electronics Engineering)	7
4	B. Tech (Mechanical Engineering)	12
5	B. Tech (Electronics and Communication Engineering)	15
6	B. Tech (Computer Science and Engineering)	19
7	B. Tech (Information Technology)	23
8	B. Tech (Mining Engineering)	26
9	B. Tech (Petroleum Technology)	28
10	B. Tech (Agriculture Engineering)	31
11	M. Tech (Structural Engineering)	36
12	M. Tech (Power Electronics and Drives)	38
13	M. Tech (Thermal Engineering)	40
14	M. Tech (VLSI Design)	42
15	M. Tech (Computer Science and Engineering)	49
16	M. Tech (petroleum Engineering)	44
17	M. Tech (Embedded Systems)	46
18	M. Tech (Software Engineering)	48
19	Master of Business Administration	51
20	Integrated Master of Business Administration	54
21	Master of Computer Applications	56



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Syllabus Revision carried out during the academic year 2018- 19

S.No	Program Code	Programme Name	% Revision carried
1	01	B. Tech. Civil Engineering	15.05
2	02	B. Tech. Electrical and Electronics Engineering	17.44
3	03	B. Tech. Mechanical Engineering	16.25
4	04	B. Tech. Electronics and Communication Engineering	16.66
5	05	B. Tech. Computer Science and Engineering	19.57
6	12	B. Tech. Information Technology	25.06
7	26	B. Tech. Mining Engineering	14.46
8	27	B. Tech. Petroleum Technology	5.81
9	35	B. Tech Agricultural Engineering	10.97
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)	10.7
14	58	M. Tech. (Computer Science & Engineering)	8
15	8	M. Tech. (Petroleum Engineering)	8.69
16	55	M. Tech. (Embedded Systems)	6.6
17	25	M. Tech. (Software Engineering)	3.84
18	1E	MBA	3.8
19	1M	IMBA	30
20	1F	MCA	14

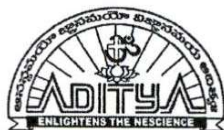
CONVENOR

ACADEMIC COMMITTEE

PRINCIPAL

PRINCIPAL

Aditya Engineering College
SURAMPALAM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : B.Tech. in Civil Engineering

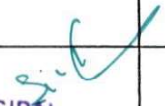
Syllabus Revision for the Academic Year 2018-2019

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	0
3	I	171HS1T02	Environmental Studies	0
4	I	171BS1T03	Engineering Chemistry	0
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	0
9	I	171ES1L01	Computer Programming Lab	0
10	II	171HS2T03	English - II	0
11	II	171BS2T02	Mathematics - II	0
12	II	171BS2T06	Mathematics - III	0
13	II	171BS2T07	Engineering Physics	0
14	II	171ES2T03	Engineering Drawing	0
15	II	171ES2T04	Basic Mechanical Engineering	0
16	II	171HS2L02	English Communication Skills Lab - II	0
17	II	171BS2L02	Engineering Physics Lab	0
18	II	171ES2L02	Engineering Workshop and IT Workshop	0

PRINCIPAL

Aditya Engineering College
SURAMPALM

19	III	171BS3T10	Probability and Statistics	25
20	III	171ES3T05	Basic Electrical and Electronics Engineering	8
21	III	171ES3T09	Strength of Materials - I	0
22	III	171CE3T01	Building Materials and Construction	17
23	III	171CE3T02	Surveying	33
24	III	171CE3T03	Fluid Mechanics	0
25	III	171CE3L01	Surveying Lab	50
26	III	171ES3L03	Strength of Materials Lab	50
27	III	171HS3A09	Professional Ethics and Human Values	0
28	III	171HS3A10	Employability Skills - I	100
29	IV	171CE4T04	Building Planning and Computer Aided Drawing	0
30	IV	171CE4T05	Concrete Technology	0
31	IV	171CE4T06	Engineering Geology	0
32	IV	171CE4T07	Hydraulics and Hydraulic Machinery	17
33	IV	171CE4T08	Strength of Materials – II	0
34	IV	171CE4T09	Structural Analysis - I	0
35	IV	171CE4L02	Fluid Mechanics and Hydraulic Machinery Lab	50
36	IV	171CE4L03	Concrete Technology Lab	0
37	IV	171HS4A08	Intellectual property rights and patents	0
38	IV	171HS4A11	Employability Skills - II	100
39	IV	171HS4A04	Managerial Economics and Financial Analysis	24
40	V	R1631011	Management Science	100
41	V	R1631012	Engineering Geology	0
42	V	R1631013	Structural Analysis -II	0


 PRINCIPAL
 Aditya Engineering College
 SURAMPALEM

43	V	R1631014	Design & Drawing of Reinforced Concrete Structures	0
44	V	R1631015	Transportation Engineering - II	0
45	V	R1631016	Concrete Technology Lab	0
46	V	R1631017	Geology Lab	0
47	V	R1631018	Transportation Engineering Lab	0
48	VI	R1632011	Design & Drawing of Steel Structures	0
49	VI	R1632012	Geotechnical Engineering - I	0
50	VI	R1632013	Environmental Engineering - I	0
51	VI	R1632014	Water Resource Engineering - I	0
52	VI	R1632015A	Electronic Instrumentation	100
53	VI	R1632015B	Data Base Management Systems	100
54	VI	R163201C	Alternative Energy Sources	100
55	VI	R163201D	Waste water Management	0
56	VI	R163227B	Fundamentals of Liquefied Natural Gas	100
57	VI	RT41016F	Green Fuel Technologies	100
58	VI	R163201C	Geotechnical Engineering Lab	0
59	VI	R1632017	Environmental Engineering Lab	0
60	VI	R1632018	Computer Aided Engineering Lab	0
61	VII	RT41011	Environmental Engineering – II	0
62	VII	RT41012	Prestressed Concrete	0
63	VII	RT41013	Construction Technology and Management	0
64	VII	RT41014	Water Resources Engineering-II	0
65	VII	RT41015	Remote Sensing and GIS Applications	0
66	VII	RT41016	(ELECTIVE - I) Ground Improvement Techniques	0

PRINCIPAL

Aditya Engineering College
SURAMPALAM

67	VII	RT41017	Air Pollution and Control	0
68	VII	RT41018	Matrix methods of Structural Analysis	0
69	VII	RT41019	Urban Hydrology	0
70	VII	RT4101A	Advanced Surveying	0
71	VII	RT4101B	Interior Designs and Decorations	0
72	VII	RT4101L	Environmental Engineering Lab	0
73	VII	RT4101M	GIS & CAD Lab	0
74	VIII	RT42011	Estimating, Specifications & Contracts	0
75	VIII	RT42012A	(ELECTIVE –II) Engineering with Geo-synthetics	0
76	VIII	RT42012B	Environmental Impact Assessment and Management	0
77	VIII	RT42012C	Advanced Structural Engineering	0
78	VIII	RT42012D	Ground Water Development and Management	0
79	VIII	RT42012E	Traffic Engineering	0
80	VIII	RT42012F	Infrastructure Management	0
81	VIII	RT42013A	Elective-III: Advanced foundation Engineering	0
82	VIII	RT42013B	Solid waste Management	0
83	VIII	RT42013C	Earthquake Resistant Design	0
84	VIII	RT42013D	Water Shed Management	0
85	VIII	RT42013E	Pavement Analysis and Design	0
86	VIII	RT42013F	Green Buildings	0
87	VIII	RT42014A	Elective-IV: Soil Dynamics and Machine Foundations	0
88	VIII	RT42014B	Environmental and Industrial Hygiene	0
89	VIII	RT42014C	Repair and Rehabilitation of Structures	0
90	VIII	RT42014D	Water Resources System Planning and Management	0

91	VIII	RT42014E	Urban Transportation Planning Safety Engineering	0
92	VIII	RT42014G	Bridge Engineering	0
93	VIII	RT42015	Project Work	0
Total number of courses in the academic year 2018-2019				= 93
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019				= 14
Percentage of syllabus revision carried out in the academic year 2018-2019 = $\left(\frac{14}{93} \right) \times 100$				= 15.05 %



Program Coordinator



Head of the Department

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



PRINCIPAL
Aditya Engineering College
SURAMPALAM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

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

Syllabus Revision for the Academic Year 2018-2019				
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	0
3	I	171HS1T02	Environmental Studies	0
4	I	171BS1T05	Applied Chemistry	0
5	I	171ES1T02	Engineering Mechanics	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab - I	0
8	I	171BS1L03	Applied Chemistry Lab	0
9	I	171ES1L01	Computer Programming Lab	0
10	II	171HS2T03	English - II	0
11	II	171BS2T02	Mathematics - II	0
12	II	171BS2T06	Mathematics - III	0
13	II	171BS2T04	Applied Physics	0
14	II	171ES2T03	Engineering Drawing	0
15	II	171EE2T01	Electrical Circuit Analysis - I	0
16	II	171HS2L02	English Communication Skills Lab - I	0
17	II	171BS2L04	Applied Physics Lab	0
18	II	171ES2L02	Engineering Workshop and IT Workshop	0

PRINCIPAL

Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	III	171EE3T02	Electrical Circuit Analysis - II	40
20	III	171EE3T03	Electrical Machines – I	10
21	III	171EE3T04	Basic Electronics Devices and Circuits	10
22	III	171EE3T05	Electromagnetic Fields	5
23	III	171ES3T10	Thermal and Hydro Prime Movers	42
24	III	171HS3T04	Managerial Economics and Financial Analysis	5
25	III	171ES3L04	Thermal and Hydro Prime Movers Lab	5
26	III	171EE3L01	Electrical Circuits Lab	8
27	III	171HS3A09	Professional Ethics and Human Values	15
28	III	171HS3A10	Employability Skills - I	100
29	IV	171EE4T06	Electrical Measurements	15
30	IV	171EE4T07	Electrical Machines - II	5
31	IV	171ES4T24	Digital Circuits and Logic Design	5
32	IV	171EE4T08	Control Systems	15
33	IV	171EE4T09	Power Systems – I	15
34	IV	171HS4T05	Management Science	15
35	IV	171EE4L02	Electronic Devices and Circuits Lab	10
36	IV	171EE4L03	Electrical Machines - I Lab	35
37	IV	171HS4A11	Employability Skills - II	100
38	V	R1631021	Power Systems-II	0
39	V	R1631022	Renewable Energy Sources	0
40	V	R1631023	Signals and Systems	0

PRINCIPAL
Aditya Engineering College
SURAMPALEM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
41	V	R1631024	Pulse & Digital Circuits	25
42	V	R1631025	Power Electronics	30
43	V	R1631026	Electrical Machines-II Laboratory	30
44	V	R1631027	Control Systems Laboratory	0
45	V	R1631028	Electrical Measurements Laboratory	0
46	V	R1631029	IPR & Patents	0
47	VI	R1632021	Power Electronic Controllers & Drives	5
48	VI	R1632022	Power System Analysis	15
49	VI	R1632023	Micro Processors and Micro controllers	40
50	VI	R1632024	Data Structures	100
51	VI	R163202A	Unix and Shell Programming	0
52	VI	R163204A	OOPS Through JAVA	0
53	VI	R163202B	VLSI Design	0
54	VI	R163202D	Robotics	100
55	VI	R163202E	Neural Networks & Fuzzy Logic	100
56	VI	R163202F	Energy Audit and Conservation & Management	0
57	VI	R1632026	Power Electronics Laboratory	40
58	VI	R1632027	Micro Processors and Micro controllers Laboratory	0
59	VI	R1632028	Data Structures Laboratory	100
60	VI	R1632029	Professional Ethics & Human Values	100
61	VII	RT41021	Renewable Energy Sources and Systems	0
62	VII	RT41022	HVAC & DC Transmission	0

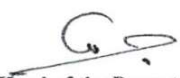
PRINCIPAL
Aditya Engineering College
SURAMPALM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
64	VII	RT41024	Energy Audit, Conservation and Management	0
65	VII	RT41025	Instrumentation	0
66	VII	RT41026	Non Conventional Sources of Energy	0
67	VII	RT41027	Optimization Techniques	0
68	VII	RT41028	VLSI Design	0
69	VII	RT41029	Electrical Distribution Systems	0
70	VII	RT41030	Optimization Techniques	0
71	VII	RT4102L	Microprocessors & Microcontrollers Lab	0
72	VII	RT4102M	Electrical Simulation Lab	0
73	VII	RT4102N	Power systems lab	0
74	VIII	RT42021	Digital Control Systems	0
75	VIII	RT42022A	Advanced Control Systems	0
76	VIII	RT42022B	Extra High Voltage Transmission	0
77	VIII	RT42022C	Special Electrical Machines	0
78	VIII	RT42023A	Electric Power Quality	0
79	VIII	RT42023B	Digital Signal Processing	0
80	VIII	RT42023C	FACTS: Flexible Alternating Current Transmission Systems	0
81	VIII	RT42024A	OOPS Through Java	0
82	VIII	RT42024B	UNIX and Shell Programming	0
83	VIII	RT42024C	AI Techniques	0
84	VIII	RT42024D	Power System Reforms	0
85	VIII	RT42024E	Systems Engineering	0

PRINCIPAL
Aditya Engineering College
SIRAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
Total number of courses in the academic year 2018-2019				= 86
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019				= 15
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(15/86)*100$				= 17.44%


Program Coordinator


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


PRINCIPAL
Aditya Engineering College
SURAMPALAM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : B.Tech. in Mechanical Engineering

Syllabus Revision for the Academic Year 2018-2019

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	0
3	I	171HS1T02	Environmental Studies	0
4	I	171BS1T03	Engineering Chemistry	0
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	0
9	I	171ES1L01	Computer Programming Lab	0
10	II	171HS2T03	English - II	0
11	II	171BS2T02	Mathematics - II	0
12	II	171BS2T06	Mathematics - III	0
13	II	171BS2T07	Engineering Physics	0
14	II	171ES2T03	Engineering Drawing	0
15	II	171ES2T05	Basic Electrical and Electronics Engineering	0
16	II	171HS2L02	English Communication Skills Lab - II	0
17	II	171BS2L02	Engineering Physics Lab	0
18	II	171ES2L02	Engineering Workshop and IT Workshop	0
19	III	171ES3T13	Metallurgy & Materials Science	5
20	III	171ES3T11	Mechanics of Solids	22
21	III	171ES3T12	Thermodynamics	0
22	III	171HS3T04	Managerial Economics and Financial Analysis	0
23	III	171ES3T14	Fluid Mechanics & Hydraulic Machinery	0
24	III	171ME3T01	Computer Aided Engineering Drawing Practice	0

PRINCIPAL
Aditya Engineering College
SURAMPALEM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
25	III	171ES3L05	Basic Electrical And Electronics Engg. Lab	20
26	III	171ES3L06	Mechanics of Solids and Metallurgy Lab	20
27	III	171HS3A09	Professional Ethics & Human Values	0
28	III	171HS3A10	Employability skills-I	100
29	IV	171ME4T02	Kinematics of Machinery	10
30	IV	171ME4T03	Thermal Engineering -I	0
31	IV	171ME4T04	Production Technology	10
32	IV	171ME4T05	Design of Machine members-I	20
33	IV	171ME4T06	Industrial Engineering and Management	26
34	IV	171ME4T07	Machine Drawing	30
35	IV	171HS4T08	Intellectual Property rights and patents	0
36	IV	171ME4L01	Production Technology Lab	20
37	IV	171ES4L07	Fluid mechanics and Hydraulic Machinery Lab	24
38	IV	171HS4A11	Employability Skills -II	100
39	V	R1631031	Dynamics of Machinery	0
40	V	R1631032	Metal Cutting and Machine Tools	0
41	V	R1631033	Design of Machine members-II	0
42	V	R1631034	Operations Research	0
43	V	R1631035	Thermal Engineering -II	0
44	V	R1631036	Theory of Machines Lab	100
45	V	R1631037	Machine Tools Lab	0
46	V	R1631038	Thermal Engineering Lab	0
47	V	R1631029	IPR&Patents	0
48	VI	R1632031	Metrology	0
49	VI	R1632032	Instrumentation and Control systems	0
50	VI	R1632033	Refrigeration and Air Conditioning	0
51	VI	R1632034	Heat Transfer	0
52	VI	R163201A	Entrepreneurship	100
53	VI	R163201D	Waste Water Management	0
54	VI	R1632036	Heat Transfer Lab	0
55	VI	R1632037	Metrology & Instrumentation Lab	0
56	VI	R1632038	Computational Fluid Dynamics Lab	100

PRINCIPAL
Aditya Engineering Co.
SURAMPALLEM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
57	VI	R1632029	Professional Ethics & Human Values	0
58	VII	RT41031	Automobile Engineering	0
59	VII	RT41032	CAD/CAM	0
60	VII	RT41033	finite Element Methods	0
61	VII	RT41034	Unconventional Machining Process	0
62	VII	RT41035	MEMS	0
63	VII	RT41036	Nano technology	0
64	VII	RT41037	Material Characterization techniques	0
65	VII	RT41038	Design for Manufacture	0
66	VII	RT41039	Automation in Manufacturing	0
67	VII	RT4103A	Industrial hydraulics and Pneumatics	0
68	VII	RT4103L	Simulation Lab	0
69	VII	RT4103M	Design/Fabrication project	0
70	VIII	RT42031	Production Planning and control	0
71	VIII	RT42032	Green Engineering Systems	0
72	VIII	RT42033A	Experimental Stress Analysis	0
73	VIII	RT42033B	Mechatronics	0
74	VIII	RT42033C	Advanced Materials	0
75	VIII	RT42033D	Power Plant Engineering	0
76	VIII	RT42034A	Non Destructive Evaluation	0
77	VIII	RT42034B	Advanced Optimization techniques	0
78	VIII	RT42034C	Gas Dynamics and Jet Propulsion	0
79	VIII	RT42034D	Quality & Reliability Engineering	0
80	VIII	RT42035	Project Work	0
Total number of courses in the academic year 2018-2019				80
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019				13
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(13/80) \times 100$				= 16.25

Program Coordinator

PRINCIPAL
Aditya Engineering College
SURAMPALAM

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



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

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

Syllabus Revision for the Academic Year 2018-19

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	0
3	I	171BS1T02	Mathematics - II	0
4	I	171BS1T04	Applied Physics	0
5	I	171ES1T03	Engineering Drawing	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab - I	0
8	I	171BS1L04	Applied Physics Lab	0
9	I	171ES1L01	Computer Programming Lab	0
10	II	171HS2T03	English – II	0
11	II	171BS2T06	Mathematics – III	0
12	II	171HS2T02	Environmental Studies	0
13	II	171BS2T05	Applied Chemistry	0
14	II	171ES2T06	Electrical and Mechanical Technology	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 And IT Workshop	0
19	III	171EC3T01	Electronic Devices and Circuits	16.6
20	III	171EC3T02	Switching Theory and Logic Design	0
21	III	171EC3T03	Signals and Systems	8
22	III	171ES3T15	Network Analysis	0
23	III	171EC3T04	Random Variables and Stochastic Processes	5.5
24	III	171HS3T04	Managerial Economics and Financial Analysis	20
25	III	171EC3L01	Electronic Devices and Circuits Lab	20
26	III	171ES3L08	Networks and Electrical Technology Lab	20
27	III	171HS3A09	Professional Ethics and Human Values	0

PRINCIPAL

Aditya Engineering College


SURAMPALAM

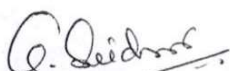
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
28	III	171HS3A10	Employability Skills – I	100
29	IV	171EC4T05	Electronic Circuit Analysis	16.6
30	IV	171EC4T06	Electromagnetic Waves and Transmission Lines	0
31	IV	171EC4T07	Analog Communications	0
32	IV	171EC4T08	Pulse and Digital Circuits	0
33	IV	171HS4T05	Management Science	18
34	IV	171ES4T28	Linear Control Systems	0
35	IV	171HS4T08	IPR and Patents	0
36	IV	171EC4L02	Electronic Circuit Analysis Lab	17.6
37	IV	171EC4L03	Analog Communications Lab	50
38	IV	171HS4A11	Employability Skills – II	100
39	V	R1631041	Computer Architecture and Organization	15
40	V	R1631042	Linear I C Applications	5
41	V	R1631043	Digital I C Applications	33
42	V	R1631044	Digital Communications	0
43	V	R1631045	Antenna and Wave Propagation	0
44	V	R1631046	Pulse and Digital Circuits Lab	0
45	V	R1631047	Linear I C Applications Lab	5
46	V	R1631048	Digital I C Applications Lab	30
47	V	R1631049	Professional Ethics & Human Values	100
48	VI	R1632041	Micro Processors & Micro Controllers	18
49	VI	R1632042	Micro Wave Engineering	0
50	VI	R1632043	VLSI Design	15
51	VI	R1632044	Digital Signal Processing	5
52	VI	R163204A	OOPs through Java	100
53	VI	R163204B	Data Mining	100
54	VI	R163204C	Industrial Robotics	100
55	VI	R163204E	Power Electronics	100
56	VI	R163204D	Bio-Medical Engineering	0
57	VI	R163204F	Artificial Neural Networks	100
58	VI	R1632046	Micro Processors & Micro Controllers Lab	15
59	VI	R1632047	VLSI Lab	20
60	VI	R1632048	Digital Communications Lab	0

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
61	VI	R1632049	IPR & Patents	18
62	VII	RT41041	VLSI Design	0
63	VII	RT41042	Computer Networks	0
64	VII	RT41043	Digital Image Processing	0
65	VII	RT41044	Computer Architecture & Organization	0
66	VII	RT41045	1. Electronic Switching Systems	0
67	VII	RT41046	2. Analog IC Design	0
68	VII	RT41047	3. Object Oriented Programming & O S	0
69	VII	RT41048	4. Radar Systems	0
70	VII	RT41049	5. Advanced Computer Architecture	0
71	VII	RT4104A	1. Optical Communication	0
72	VII	RT4104B	2. Digital IC Design	0
73	VII	RT4104C	3. Speech Processing	0
74	VII	RT4104D	4. Artificial Neural Network & Fuzzy Logic	0
75	VII	RT4104E	5. Network Security & Cryptography	0
76	VII	RT4104L	V L S I Lab	0
77	VII	RT4104M	Microwave Engineering Lab	0
78	VIII	RT42041	Cellular Mobile Communication	0
79	VIII	RT42042	Electronic Measurements and Instrumentation	0
80	VIII	RT42043A	1. Satellite Communication	0
81	VIII	RT42043B	2. Mixed signal Design	0
82	VIII	RT42043C	3. Embedded systems	0
83	VIII	RT42043D	4. RF Circuit Design	0
84	VIII	RT42043E	5. Cloud Computing	0
85	VIII	RT42044A	1. Wireless Sensors and Networks	0
86	VIII	RT42044B	2. System on Chip	0
87	VIII	RT42044C	3. Low Power IC Design	0
88	VIII	RT42044D	4. Bio-Medical Instrumentation	0
89	VIII	RT42044E	5. EMI/EMC	0
90	VIII	RT42045	Project & Seminar	0


PRINCIPAL
Aditya Engineering College
SURAMPALEM

Total number of courses in the academic year 2018-19	= 90
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-19	= 15
Percentage of syllabus revision carried out in the academic year 2018-19 = $(15/90)*100$	= 16.66%


Program Coordinator


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


PRINCIPAL
Aditya Engineering College
SURAMPALAM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

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

Syllabus Revision for the Academic Year 2018-2019				
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	0
3	I	171BS1T02	Mathematics – II	0
4	I	171BS1T04	Applied Physics	0
5	I	171ES1T03	Engineering Drawing	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab – I	0
8	I	171BS1L04	Applied Physics Lab	0
9	I	171ES1L01	Computer Programming Lab	0
10	II	171HS2T03	English – II	0
11	II	171BS2T06	Mathematics – III	0
12	II	171HS2T02	Environmental Studies	0
13	II	171BS2T05	Applied Chemistry	0
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	171BS3T08	Mathematical Foundations of Computer Science	25
20	III	171ES3T23	Digital Logic Design	0
21	III	171CS3T02	Statistics with R Programming	80

PRINCIPAL
Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
22	III	171CS3T03	Object Oriented Programming Through C++	0
23	III	171HS3T04	Managerial Economics & Financial Analysis	0
24	III	171CS3T04	Advanced Data Structures	0
25	III	171CS3L01	Object Oriented Programming Lab	80
26	III	171CS3L02	Advanced Data Structures Lab	30
27	III	171HS3A10	Employability Skills – I	100
28	III	171HS3A09	Professional Ethics & Human Values	0
29	IV	171CS4T05	Software Engineering	50
30	IV	171CS4T06	Formal Languages & Automata Theory	0
31	IV	171CS4T07	Java Programming	0
32	IV	171CS4T08	Database Management Systems	0
33	IV	171CS4T09	Principles of Programming Languages	0
34	IV	171CS4T10	Computer Organization	20
35	IV	171CS4L03	Java Programming Lab	50
36	IV	171CS4L04	Database Management Systems Lab	20
37	IV	171HS4A11	Employability Skills – II	100
38	IV	171HS4A08	IPR & Patents	0
39	V	R1631051	Compiler Design	0
40	V	R1631052	Unix Programming	0
41	V	R1631053	Object Oriented Analysis and Design using UML	0
42	V	R1631054	Database Management Systems	0
43	V	R1631055	Operating Systems	0
44	V	R1631056	Unified Modeling Lab	0
45	V	R1631057	Operating System & Linux Programming Lab	0
46	V	R1631058	Database Management System Lab	0
47	V	R1631049	Professional Ethics & Human Values	0


PRINCIPAL
Aditya Engineering College
SURAMPALEM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
48	VI	R1632049	IPR & Patents	0
49	VI	R1632051	Computer Networks	0
50	VI	R1632052	Data Warehousing and Mining	0
51	VI	R1632053	Design and Analysis of Algorithms	0
52	VI	R1632054	Software Testing Methodologies	70
53	VI	R163205A	Artificial Intelligence	0
54	VI	R163205B	Internet of Things	100
55	VI	R163205C	Cyber Security	100
56	VI	R163205D	Digital Signal Processing	100
57	VI	R163205E	Embedded Systems	100
58	VI	R163205F	Robotics	100
59	VI	R1632056	Network Programming Lab	100
60	VI	R1632057	Software Testing Lab	100
61	VI	R1632058	Data Warehousing and Mining Lab	0
62	VII	RT41051	Cryptography and Network Security	0
63	VII	RT41052	UML and Design Patterns	0
64	VII	RT41053	Mobile Computing	0
65	VII	RT41054	Software Testing Methodologies	0
66	VII	RT41055	Simulation Modeling	0
67	VII	RT41056	Information Retrieval Systems	0
68	VII	RT41057	Artificial Intelligence	0
69	VII	RT41058	Multimedia Computing	0
70	VII	RT41059	High Performance Computing	0
71	VII	RT4105A	Digital Forensics	0
72	VII	RT4105B	Hadoop and Big Data	0
73	VII	RT4105C	Software Project Management	0


PRINCIPAL
Aditya Engineering College
SURAMPalem

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
74	VII	RT4105D	Machine Learning	0
75	VII	RT4105E	Advanced Databases	0
76	VII	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	0
77	VII	RT4105N	SOFTWARE TESTING LAB	0
78	VII	RT4105O	HADOOP AND BIGDATA LAB	0
79	VII	RT4105L	UML AND DESIGN PATTERNS LAB	0
80	VIII	RT42051	DISTRIBUTED SYSTEMS	0
81	VIII	RT42052	MANAGEMENT SCIENCE	0
82	VIII	RT42053A	Human Computer Interaction	0
83	VIII	RT42053B	Advanced Operating Systems	0
84	VIII	RT42053C	Mobile Adhoc & Sensor Networks	0
85	VIII	RT42053D	Pattern Recognition	0
86	VIII	RT42053E	Digital Image Processing	0
87	VIII	RT42053F	Micro processors and Multi Core Systems	0
88	VIII	RT42043B	Embedded and Real Time Systems	0
89	VIII	RT42043C	Neural Networks & Soft Computing	0
90	VIII	RT42043D	Social Networks and the Semantic Web	0
91	VIII	RT42043E	Cloud Computing	0
92	VIII	RT42055	PROJECT	0

Total number of courses in the academic year 2018-2019	= 92
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019	= 18
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(18/92) \times 100$	= 19.57%


Program Coordinator


PRINCIPAL
Aditya Engineering College
SURAMPALAM


Head of the Department

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



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : B.Tech. in Information Technology

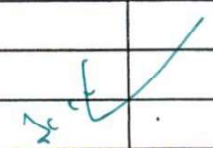
Syllabus Revision for the Academic Year 2018-2019



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	0
3	I	171BS1T02	Mathematics – II	0
4	I	171BS1T04	Applied Physics	0
5	I	171ES1T03	Engineering Drawing	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab – I	0
8	I	171BS1L04	Applied Physics Lab	0
9	I	171ES1L01	Computer Programming Lab	0
10	II	171HS2T03	English – II	0
11	II	171BS2T06	Mathematics – III	0
12	II	171HS2T02	Environmental Studies	0
13	II	171BS2T05	Applied Chemistry	0
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	171BS3T08	Mathematical Foundations of Computer Science	25
20	III	171ES3T23	Digital Logic Design	0
21	III	171CS3T02	Statistics with R Programming	80
22	III	171CS3T03	Object Oriented Programming through C++	0
23	III	171HS3T04	Managerial Economics & Financial Analysis	0
24	III	171CS3T04	Advanced Data Structures	0
25	III	171CS3L01	Object Oriented Programming Lab	80
26	III	171CS3L02	Advanced Data Structures Lab	30
27	III	171HS3A10	Employability Skills – I	100
28	IV	171HS3A09	Professional Ethics & Human Values	0
29	IV	171CS4T05	Software Engineering	50

PRINCIPAL

Aditya Engineering College
SURAMPALAM

30	IV	171IT4T01	Language Processors	100
31	IV	171CS4T07	Java Programming	0
32	IV	171CS4T08	Database Management Systems	0
33	IV	171HS4T05	Management Science	20
34	IV	171CS4T10	Computer Organization	20
35	IV	171CS4L03	Java Programming Lab	50
36	IV	171CS4L04	Database Management Systems Lab	20
37	IV	171HS4A11	Employability Skills – II	100
38	V	171HS4A08	IPR & Patents	0
39	V	R1631121	Human Computer Interaction	100
40	V	R1631052	Unix and Shell Programming	0
41		R1631122	Advanced Java Programming	0
42	V	R1631054	Database Management Systems	0
43	V	R1631055	Operating Systems	0
44	V	R1631123	Advanced Java Programming Lab	0
45	V	R1631124	Unix and Operating Systems Lab	50
46	V	R1631125	Database Management System Lab	20
47	V	R1631049	Professional Ethics & Human Values	0
48	VI	R1632051	Computer Networks	0
49	VI	R1632121	Data Mining	100
50	VI	R1632122	Web Technologies	0
51	VI	R1632054	Software Testing Methodologies	70
52	VI	R163205A	Artificial Intelligence	0
53	VI	R1632123A	Social Networks and Semantic Web	100
54	VI	R1632055D	Digital Signal Processing	0
55	VI	R1632055E	Embbded Systems	0
56	VI	R1632025D	Robotics	0
57	VI	R1632123B	Operations Research	100
58	VI	R1632124	Web Technologies Lab	0
59	VI	R1632125	Software Testing Lab	20
60	VI	R1632126	Data Mining Lab	100
61	VI	R1632049	IPR & Patents	0
62	VII	RT41051	Cryptography and Network Security	0
63	VII	RT41052	UML & Design Patterns	0
64	VII	RT41053	Mobile Computing	0
65	VII	RT41121	Embedded and Real Time Sytems	0
66	VII	RT41056	Information Retreival Systems	0


 PRINCIPAL
 Aditya Engineering College
 SURAMPALAM

67	VII	RT41058	Multimedia Computing	0
68	VII	RT4105B	Hadoop and Big Data	0
69	VII	RT4105C	Software Project Management	0
70	VII	RT41122	Computer Vision	0
71	VII	RT4105E	Advanced Databases	0
72	VII	RT4112L	UML & Design Patterns Lab	0
73	VII	RT4112M	Mobile Application Development Lab	0
74	VII	RT4112O	Software Engineering Lab	0
75	VII	RT4112N	Hadoop & BigData Lab	0
76	VII	RT42053A	Human Computer Interaction	0
77	VII	RT42053B	Advanced Operating Systems	0
78	VII	PT42053C	Mobile Adhoc & Sensor Networks	0
79	VII	PT42053D	Pattern Recognition	0
80	VIII	RT42051	Distributed Systems	0
81	VIII	RT42121	Mathematical Optimization (LP, Scheduling, Simulation, QT, Markov analysis, NLP, PERT CPM Network related	0
82	VIII	RT42052	Management Science	0
Total number of courses in the academic year 2018-2019				= 82
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019				21
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(49/135)*100$				= 25.06%
<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


PRINCIPAL
Aditya Engineering College
 SURAMPALM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution
Approved by AICTE - Permanently Affiliated to JNTUK - Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Program Name : B.Tech. in Mining Engineering

Syllabus Revision for the Academic Year 2018-2019

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	1	171HS1T01	English - I	0
2	1	171BS1T01	Mathematics - I	0
3	1	171HS1T02	Environmental Studies	0
4	1	171BS1T03	Engineering Chemistry	0
5	1	171ES1T02	Engineering Mechanics	0
6	1	171ES1T01	Computer Programming	0
7	1	171HS1L01	English Communication Skills Lab - I	0
8	1	171BS1L01	Engineering Chemistry Lab	0
9	1	171ES1L01	Computer Programming Lab	0
10	2	171HS2T03	English - II	0
11	2	171BS2T02	Mathematics - II	0
12	2	171BS2T06	Mathematics - III	0
13	2	171BS2T07	Engineering Physics	0
14	2	171ES2T03	Engineering Drawing	0
15	2	171ES2T05	Basic Electrical and Electronics Engineering	0
16	2	171HS2L02	English Communication Skills Lab - II	0
17	2	171BS2L02	Engineering Physics Lab	0
18	2	171ES2L02	Engineering Workshop and IT Workshop	0
19	3	171MI3T01	Introduction To Mining Technology	20
20	3	171MI3T02	Basic Mechanical Engineering For Mines	60
21	3	171BS3T10	Probability and Statistics	100
22	3	171ES3T22	Material Engineering	0
23	3	171MI3T03	Mining Geology-I	15
24	3	171ME3T01	Computer Aided Engineering Drawing Practice	0
25	3	171ES3L12	Electrical and Electronics Lab	30
26	3	171ES3L13	Basic Mechanical Engineering Lab	100
27	3	171HS3A09	Professional Ethics and Human Values	0
28	3	171HS3A10	Employability Skills-I	100
29	4	171ES4T27	Kinematics Of Machinery	0
30	4	171MI4T04	Computer Application In Mining	0
31	4	171MI4T05	Mining Geology -II	0
32	4	171MI4T06	Mine Surveying - I	10
33	4	171MI4T07	Surface Mining	0
34	4	171MI4T08	Fundamentals Of Rock Mechanics	50
35	4	171MI4L01	Geology Lab	0
36	4	171MI4L02	Computer Application In Mining Lab	0
37	4	171HS4A08	Intellectual Property Rights and Patents	0
38	4	171HS4A11	Employability Skills-II	100
39	5	R1631261	Underground Coal Mining Technology	0
40	5	R1631262	Mine Environment Engineering - I	0
41	5	R1631263	Electrical Equipment in Mines	0
42	5	R1631264	Mine Surveying- II	0
43	5	R1631265	Mining Machinery & Mechanization - I	0
44	5	R1631266	Advanced English Communication Skills Lab	0
45	5	R1631267	Mine Surveying Lab	0
46	5	R1631268	Mechanical Engineering Lab	90

PRINCIPAL
Aditya Engineering College
SURAMPALAM

47	5	R1631269	Mine Field visit(Mandatory)	
48	6	R1632261	Mine Systems Engineering	0
49	6	R1632262	Mineral Engineering and Fuel Technology	0
50	6	R1632263	Mine Environmental Engineering – II	0
51	6	R1632264	Mining Machinery & Mechanization – II	0
52	6	R1632035C	Industrial Robotics	0
53	6	R1632035A	Entrepreneurship	100
54	6	R1632265A	Quality and Reliability Engineering	0
55	6	R1632015D	Waste Water Management	100
56	6	R1632265B	Rock Excavation Engineering	0
57	6	R163226C	Mine Safety Engineering	30
58	6	R1632266	Mineral Engineering Lab	0
59	6	R1632267	Environmental Engineering Lab	0
60	6	R1632268	Mine Planning & Design Lab	0
61	6	R1632268	Industrial Training	0
62	7	RT41261	Mine Economics	0
63	7	RT41262	Computer Applications in Mining	0
64	7	RT41263	Rock Mechanics & Ground Control	0
65	7	RT41264	Mine Legislation & General Safety	0
66	7	RT41265	Industrial Robotics	0
67	7	RT41266	Environmental Impact Assessment	0
68	7	RT41267	Numerical Methods	0
69	7	RT41268	Industrial Management	0
70	7	RT4126L	Computer Applications in Mining Lab	0
71	7	RT4126M	Rock Mechanics & Ground Control Lab	0
72	7	RT4126N	Short Survey Camp (One Week)	0
73	8	RT42031	Production Planning and Control	0
74	8	RT42262A	Deep Sea Mining	0
75	8	RT42262B	Mine Construction	0
76	8	RT42262C	Tunneling Engineering	0
77	8	RT42263A	Planning of Under Ground Metal Mining Project	0
78	8	RT42263B	Planning of Under Ground Coal Mining Project	0
79	8	RT42263C	Planning of Surface Mining Projects	0
80	8	RT42264A	Maintenance & Reliability Engineering	0
81	8	RT42264B	Rock Excavation Engineering	0
82	8	RT42264C	Mine Health and Safety Engineering	0
83	8	RT42265	Project	0
Total number of courses in the academic year 2018-2019				83
Number of courses having revision in syllabus content >= 20% in the academic year 2018-2019				12
Percentage of syllabus revision carried out in the academic year 2018-2019 = (12/83)*100				14.46

Program Coordinator

Head of the Department

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

PRINCIPAL

Aditya Engineering College
SURAMPAL EM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : B.Tech. in Petroleum Technology

Syllabus Revision for the Academic Year 2018-2019

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	0
3	I	171HS1T02	Environmental Studies	0
4	I	171BS1T03	Engineering Chemistry	0
5	I	171ES1T02	Engineering Mechanics	0
6	I	171ES1T01	Computer Programming	0
7	II	171HS1L01	English Communication Skills Lab - I	0
8	II	171BS1L01	Engineering Chemistry Lab	0
9	II	171ES1L01	Computer Programming Lab	0
10	II	171HS2T03	English - II	0
11	II	171BS2T06	Mathematics - III	0
12	II	171BS2T02	Mathematics - II	0
13	II	171BS2T07	Engineering Physics	0
14	II	171ES2T03	Engineering Drawing	0
15	II	171ES2T07	Elements Of Mechanical Engineering	0
16	II	171HS2L02	English Communication Skills Lab - II	0
17	II	171BS2L02	Engineering Physics Lab	0
18	II	171ES2L02	Engineering Workshop And IT Workshop	0
19	III	171BS3T09	Complex Variables	25
20	III	171ES3T16	Materials Science And Engineering	0
21	III	171ES3T17	General Geology	0
22	III	171ES3T18	Surveying And Offshore Structures	0
23	III	171PT3T01	Chemical Process Calculations	0
24	III	171ES3T05	Basic Electrical And Electronics Engineering	0
25	III	171ES3L09	Basic Engineering Lab	0
26	III	171ES3L10	Geology And Surveying Lab	0
27	III	171HS3A10	Employability Skills - I	100
28	III	171HS3A09	Professional Ethics And Human Values	0
29	IV	171BS4T10	Probability And Statistics	25
30	IV	171PT4T02	Momentum Transfer	0
31	IV	171PT4T03	Petroleum Geology	0
32	IV	171PT4T04	Thermodynamics For Petroleum Engineers	0
33	IV	171PT4T05	Process Heat Transfer	0
34	IV	171HS4T05	Management Science	0
35	IV	171PT4L01	Momentum Transfer Lab	0

PRINCIPAL

Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
36	IV	171PT4L02	Process Heat Transfer Lab	0
37	IV	171HS4A11	Employability Skills - II	100
38	IV	171HS4A08	IPR And Patents	0
39	V	R1631011	Management Science	0
40	V	R1631271	Process Dynamics And Control	0
41	V	R1631272	Process Instrumentation	0
42	V	R1631273	Well Logging And Formation Evaluation	0
43	V	R1631274	Drilling Technology	72
44	V	R1631275	Mathematical Methods Lab	0
45	V	R1631276	Instrumentation Process Dynamics And Control Lab	0
46	V	R1631277	Drilling Fluids Lab	0
47	V	R1631278	Industrial Visits	0
48	V	R1631279	Mini Project-I	0
49	VI	R1632271	Well Completions Testing And Servicing	0
50	VI	R1632272	Petroleum Production Engineering	20
51	VI	R1632273	Petroleum Reservoir Engineering-I	0
52	VI	R1632274	Petroleum Refinery And Petrochemical Engineering	0
53	VI	R163227A	Electronoic Instrument	0
54	VI	R163227C	Big Data Analytics	0
55	VI	R163227D	Alternative Energy Sources For Automobiles	0
56	VI	R163227E	Computational Fluid Dynamics	0
57	VI	R163227B	Fundamentals Of Liquefied Natural Gas	0
58	VI	R1632276	Drilling Simulation Lab	0
59	VI	R1632277	Petroleum Analysis Lab	0
60	VI	R1632278	Petroleum Reservoir Engineering Lab	0
61	VI	R1632279	Summer Internship (4-6 Weeks)	0
62	VI	R1632280	Mini Project-II	0
63	VII	RT41271	Integrated Asset Management	0
64	VII	RT41272	Enhanced Oil Recovery Techniques	0
65	VII	RT41273	Hse And Fe In Petroleum Industry	0
66	VII	RT41274	Petroleum Reservoir Engineering Ii	0
67	VII	RT41016B	Fundamentals Of Petroleum Industry	0
68	VII	RT41016F	Green Technologies	0
69	VII	RT41016A	Energy Mangement	0
70	VII	RT41016C	Offshore Enginnering	0
71	VII	RT41016D	Pipeline Enginnering	0
72	VII	RT41279	Coal Bed Methane Engineering	0
73	VII	RT4127L	Petroleum Equipment Design And Simulation Lab	0
74	VII	RT4127M	Petroleum Reservoir Engineering Lab	0
75	VII	RT4127N	Presentation Of Sip Report	0
76	VIII	RT42275	Project	0
77	VIII	RT42271	Petroleum Economics And Regulations And Policies	0
78	VIII	RT42272A	Reservoir Modeling And Simulation	0

PRINCIPAL


Aditya Engineering College

SURAMPALM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
79	VIII	RT42272B	Horizontal Well Technology	0
80	VIII	RT42272C	Lng-Processes And Transportation And Storage	0
81	VIII	RT42273A	Reservoir Stimulation	0
82	VIII	RT42273B	Subsea Engineering	0
83	VIII	RT42273C	Fundamentals Of Multiphase Flow	0
84	VIII	RT42274A	Natural Gas Hydrates	0
85	VIII	RT42274B	Advanced Natural Gas Engineering	0
86	VIII	RT42274C	Petroleum Biotechnology	0

Total number of courses in the academic year 2018-2019	= 86
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019	= 5
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(5/86)*100$	= 5.81%


Program Coordinator


Head of the Department

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


PRINCIPAL
Aditya Engineering College
SURAMPALAM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : B.Tech. in Agricultural Engineering

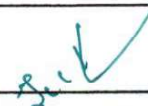
Syllabus Revision for the Academic Year 2018-2019				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	171HS1T01	English – I	0
2	I	171BS1T01	Mathematics – I	0
3	I	171HS1T02	Environmental Studies	0
4	I	171BS1T03	Engineering Chemistry	0
5	I	171ES1T02	Engineering Mechanics	0
6	I	171ES1T01	Computer Programming	0
7	I	171HS1L01	English Communication Skills Lab – I	0
8	I	171BS1L01	Engineering Chemistry Lab	0
9	I	171ES1L01	Computer Programming Lab	0
10	II	171HS2T03	English – II	0
11	II	171BS2T02	Mathematics - II	0
12	II	171BS2T06	Mathematics - III	0
13	II	171BS2T07	Engineering Physics	0
14	II	171ES2T03	Engineering Drawing	0
15	II	171ES2T08	Theory of Machines	0

PRINCIPAL
Aditya Engineering College
SURAMPALAM

16	II	171HS2L02	English Communication Skills Lab – II	0
17	II	171BS2L02	Engineering Physics Lab	0
18	II	171ES2L02	Engineering Workshop & IT Workshop	0
19	III	171AG3T01	Principles of Soil Science and Agronomy	20
20	III	171AG3T02	Renewable Energy Sources	20
21	III	171AG3T03	Ground Water Hydrology, Wells and Pumps	10
22	III	171ES3T19	Properties and Strength of Materials	20
23	III	171ES3T20	Electrical and Electronics Engineering	25
24	III	171ES3T21	Surveying and Leveling	0
25	III	171AG3L01	Soil Science and Agronomy Field Lab	10
26	III	171ES3L11	Surveying and Leveling Lab	0
27	III	171HS3A10	Employability Skills - I	100
28	III	171HS3A09	Professional Ethics and Human Values	0
29	IV	171AG4T04	Thermodynamics and Refrigeration Systems	0
30	IV	171AG4T05	Heat and Mass Transfer	20
31	IV	171ES4T25	Fluid Mechanics and Open Channel Hydraulics	20
32	IV	171AG4T06	Soil Mechanics	0
33	IV	171AG4T07	Surface Water Hydrology	20
34	IV	171AG4T08	Engineering Properties of Biological Materials and Food Quality	0
35	IV	171ES4L14	Fluid Mechanics and Open Channel Hydraulics Lab	10
36	IV	171ES4L15	Machine Drawing and Computer Graphics Lab	0

PRINCIPAL
Aditya Engineering College
SURAMPALAM

37	IV	171HS4A11	Employability Skills – II	100
38	IV	171HS4A08	Intellectual Property Rights and Patents	0
39	V	R1631351	Thermodynamics and Refrigeration systems	0
40	V	R1631352	Soil and Water Conservation Engineering	0
41	V	R1631353	Agricultural Process Engineering	0
42	V	R1631354	Engineering Properties of Biological Materials and Food Quality	0
43	V	R1631355	Managerial Economics & Financial Analysis	0
44	V	R1631356	Agricultural Process Engineering Lab	0
45	V	R1631357	Advanced English Communications Skills Lab	0
46	V	R1631358	Field Operation and Maintenance of Tractors Lab - I	0
47	V	R1631029	IPR & Patents	0
48	VI	R1632029	Professional Ethics & Human Values	0
49	VI	R1632351	Irrigation and Drainage Engineering	0
50	VI	R1632352	Farm Machinery and Equipment - I	0
51	VI	R1632353	Design of Soil Water Conservation and Farm Structures	0
52	VI	R1632354	Dairy and Food Engineering	0
53	VI	R163235A	Operations Research	0
54	VI	R163235B	Digital Control Systems	0
55	VI	R163235C	Robotics& Automation	0
56	VI	R163235D	Industrial Pollution Control Engineering	0
57	VI	R163235E	Finite Element Method	0



 PRINCIPAL
 Aditya Engineering College
 SURAMPALEM

58	VI	R163235F	Water Resources System Planning and Management	0
59	VI	R1632356	Farm Machinery Lab - 1	0
60	VI	R1632357	Field Operation and Maintenance of Tractors Lab - 2	0
61	VI	R1632358	Soil and Water Engineering Lab	0
62	VII	RT41351	Micro irrigation engineering	0
63	VII	RT41352	Farm machinery and equipments II	0
64	VII	RT41353	Post harvest engineering for horticulture produce	0
65	VII	RT41354	Mechanical measurements and instrumentation	0
66	VII	RT41355	Seed processing and storage engineering	0
67	VII	RT41356	Managerial economics & financial Analysis	0
68	VII	RT41357	Food processing plant design and layout	0
69	VII	RT41358	Watershed management	0
70	VII	RT41359	Food packaging technology	0
71	VII	RT41310	Computational Fluid Dynamics	0
72	VII	RT4135L	Field operation and maintenance of tractors and farm machinery lab	0
73	VII	RT4135M	Dairy and food engineering lab	0
74	VIII	RT42351	Design of agricultural machinery	0
75	VIII	RT42352	Agro industries and bi-product utilization	0
76	VIII	RT42353A	GIS and remote sensing	0
77	VIII	RT42353B	Human engineering and safety	0
78	VIII	RT42353C	Production Technology of Agricultural Machinery	0


PRINCIPAL
Aditya Engineering College
 SUDAMPALAM

79	VIII	RT42354C	Principles of entrepreneurship	0
80	VIII	RT42354A	Minor Irrigation and Command area development	0
81	VIII	RT42354B	Hydraulic Devices and Control	0
82	VIII	RT42355	Project work	0
Total number of courses in the academic year 2018-2019				82
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019				9
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(9/82) \times 100$				10.97


Program Coordinator


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


PRINCIPAL
Aditya Engineering College
SURAMPALAM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : M.Tech. in Structural Engineering

Syllabus Revision for the Academic Year 2018-2019


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	0
6	I	172SE1E02	Sub Structure Design	0
7	I	172SE1E03	Structural Optimization	0
8	I	172SE1E04	Repair and Rehabilitation of Structures	0
9	I	172SE1E05	Analysis and Design of Tall Building	0
10	I	172SE1E06	Plastic Analysis and Design	0
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	30
18	II	172SE2E09	Fracture Mechanics	20

PRINCIPAL
Aditya Engineering College
SURAMPALAM

19	II	172SE2E10	Industrial Structures	20
20	II	172SE2E11	Bridge Engineering	20
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 2018-2019	= 27
Number of courses having revision in syllabus content >= 20% in the academic year 2018-2019	= 4
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(4/27)*100$	= 14.81%


Program Coordinator


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


PRINCIPAL
Aditya Engineering College
SURAMPALM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

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

Syllabus Revision for the Academic Year 2018-2019

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
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	0
6	I	172PD1E02	Power Quality	0
7	I	172PD1E03	Optimization Techniques	0
8	I	172PD1E04	Energy Auditing, Conservation & Management	0
9	I	172PD1E05	Artificial Intelligence Techniques	0
10	I	172PD1E06	HVDC Transmission	0
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	25
18	II	172PD2E09	Electrical Distribution System	20

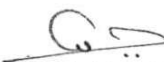
PRINCIPAL

Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	II	172PD2E10	Smart Grid Technologies	20
20	II	172PD2E11	Special Machines	0
21	II	172PD2E12	Programmable Logic Controllers & Applications	20
22	II	172PD2L02	Power Converters & Drives Lab	0
23	III	172PD3C01	Comprehensive Viva-Voce	0
24	III	172PD3R01	Seminar – I	0
25	III	---	Project Work Part - I	0
26	IV	172PD4R02	Seminar – II	0
27	IV	172PD4P01	Project Work Part - II	0

Total number of courses in the academic year 2018-2019	= 27
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019	= 4
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(4/27)*100$	= 14.81%


Program Coordinator


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


PRINCIPAL
Aditya Engineering College
SURAMPALEM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

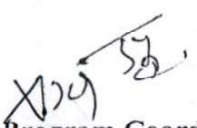
Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Program Name : M.Tech. in Thermal Engineering


Syllabus Revision for the Academic Year 2018-2019				
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	0
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	0
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

PRINCIPAL
Aditya Engineering College
SURAMPALEM

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	20
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	20
26	II	172TE2L02	Thermal Systems Design Lab	0
27	III	172TE3C01	Comprehensive Viva-Voce	0
28	III	172TE3R01	Seminar – I	0
29	III		Project Work Part - I	0
30	IV	172TE4C02	Seminar – II	0
31	IV	172TE4P01	Project Work Part - II	0
Total number of courses in the academic year 2018-2019				31
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019				2
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(2/31) \times 100$				= 6


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



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : M.Tech. in VLSI Design

Syllabus Revision for the Academic Year 2018-19

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	172EM1T01	Digital System Design	0
2	I	172VD1T01	VLSI Technology & Design	0
3	I	172VD1T02	CMOS Analog IC Design	0
4	I	172VD1T03	CMOS Digital IC Design	0
5	I	172EM1E01	Cyber Security	20
6	I	172VD1E01	Digital Design using HDL	0
7	I	172CO1E02	Advanced Operating Systems	0
8	I	172EM1E03	Soft Computing Techniques	0
9	I	172VD1E02	CPLD / FPGA Architectures & Applications	20
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	0
16	II	172VD2T07	Design For Testability	0
17	II	172VD2E04	CAD for VLSI	20
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	0
22	II	172VD2E07	Semiconductor Memory Design and Testing	0
23	II	172VD2L02	Back end VLSI Design Laboratory	0
24	III	172VD3C01	Comprehensive Viva-Voce	0
25	III	172VD3R01	Seminar - I	0

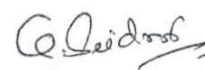
PRINCIPAL

Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
26	III		Project Work Part – I	0
27	IV	172VD4R02	Seminar – II	0
28	IV	172VD4P01	Project Work Part - II	0

Total number of courses in the academic year 2018-19	28
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-19	3
Percentage of syllabus revision carried out in the academic year 2018-19 = $(3/28)*100$	10.7


Program Coordinator


Head of the Department

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


PRINCIPAL
Aditya Engineering College
SURAMPALEM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : M.Tech. in Petroleum Engineering

Syllabus Revision for the Academic Year 2018-2019

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	0
16	II	172PE2E03	Flow Assurance	20
17	II	172PE2E04	Process Safety and Environmental Aspects in Petroleum Industry	0
18	II	172PE2E05	Deep Water Technologies	0

PRINCIPAL
Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	II	172PE2E06	Characterization of Petroleum Oils	20
20	III	172PE2L02	Reservoir Simulation Lab	0
21	III	172PE3C01	Comprehensive Viva-Voce	0
22	III	172PE3R01	Seminar - I	0
23	IV	172PE4R02	Seminar - II	0
24	IV	172PE3R02	Project Work Part- - I	0
25	IV	172PE4R01	Project Work Part- - II	0

Total number of courses in the academic year 2018-2019	= 25
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019	= 2
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(2/25)*100$	= 8.69%


Program Coordinator


Head of the Department

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


PRINCIPAL
Aditya Engineering College
SURAMPALEM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : M.Tech. in Embedded Systems

Syllabus Revision for the Academic Year 2018-19

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	0
3	I	172EM1T03	Real Time Operating Systems	0
4	I	172EM1T04	Embedded - C	0
5	I	172EM1E01	Cyber Security	0
6	I	172EM1E02	Sensors and Actuators	20
7	I	172CO1E02	Advanced Operating Systems	0
8	I	172EM1E03	Soft Computing Techniques	0
9	I	172EM1E04	Embedded Computing	0
10	I	172EM1E05	Device Drivers	20
11	I	172EM1E06	Network Security and cryptography	0
12	I	172EM1E07	Advanced Computer Architecture	0
13	I	172EM1L01	Embedded Systems Lab	0
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	0
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	0
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	172EM3C01	Comprehensive Viva-Voce	0

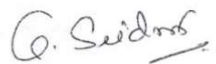
PRINCIPAL
Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
27	III	172EM3R01	Seminar - I	0
28	III		Project Work Part - I	0
29	IV	172EM4R02	Seminar - II	0
30	IV	172EM4P01	Project Work Part- - II	0

Total number of courses in the academic year 2018-19	30
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-19	2
Percentage of syllabus revision carried out in the academic year 2018-19 = $(2/30) \times 100$	6.60%



Program Coordinator



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


PRINCIPAL
Aditya Engineering College
SURAMPALEM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : M.Tech. in Software Engineering

Syllabus Revision for the Academic Year 2018-2019

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	40
4	I	172SO1T04	Big Data Analytics	0
5	I	172SO1E01	Web Technologies	0
6	I	172SO1E02	Middleware Technologies	0
7	I	172SO1E03	Mobile Computing	0
8	I	172SO1E04	E-Commerce	0
9	I	172SO1E05	Scripting Languages	0
10	II	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	0
19	II	172SO2E10	User Interface Design	0
20	II	172CO2E08	Cloud Computing	0
21	II	172CO2E09	Internet Of Things	0
22	II	172SO2L02	Software Testing & Design Patterns Lab	0
23	III	171SO3C01	Comprehensive Viva-Voce	0
24	III	171SO3R01	Seminar - I	0
25	III	---	Project Work Part - I	0
26	IV	171SO4R02	Seminar - II	0
Total number of courses in the academic year 2018-2019				= 26
Number of courses having revision in syllabus content $\geq 20\%$ in the academic				1
Percentage of syllabus revision carried out in the academic year 2018-2019 = (= 3.84%
ram Coordinator				Head of the Department

PRINCIPAL Head of the Department
Aditya Engineering College Department of IT
SURAMPALAM Aditya Engineering College



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

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

Syllabus Revision for the Academic Year 2018-2019				
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	172CO1T01	Advanced Data Structures & Algorithm Analysis	0
2	I	172CO1T02	Database Management System	0
3	I	172CO1T03	Computer Organization & Architecture	0
4	I	172CO1T04	Mathematical Foundations of Computer Science	0
5	I	172CO1T05	Computer Networks	0
6	I	172CO1E01	Software Engineering	0
7	I	172CO1E02	Advanced Operating Systems	20
8	I	172CO1E03	Compiler Design	0
9	I	172CO1E04	Human Computer Interaction	0
10	I	172CO1L01	Advanced Data Structures & Database Management Systems Lab	0
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	20
17	II	172CO2E07	Mobile Computing	0
18	II	172CO2E08	Cloud Computing	0
19	II	172CO2E09	Internet of Things	0
20	II	172CO2E10	Bio Informatics	0
21	II	172CO2L02	Advanced Unix Programming and Hadoop & Bigdata Lab	0
22	III	172CO3C01	Comprehensive Viva-Voce	0

PRINCIPAL
Aditya Engineering College
SURAMPALEM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
23	III	172CO3R01	Seminar - I	0
24	IV	172CO4R02	Seminar - II	0
25	IV	172C04P01	Project Work Part- - II	0

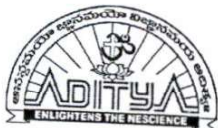
Total number of courses in the academic year 2018-2019	= 25
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019	= 2
Percentage of syllabus revision carried out in the academic year 2018-2019 = $(2/25)*100$	= 8%


Program Coordinator


Head of the Department

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


PRINCIPAL
Aditya Engineering College
SURAMPALAM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : MANAGEMENT OF BUSINESS ADMINISTRATION

Syllabus Revision for the Academic Year 2018-19

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
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	174MB3T13	Strategic Management	0
16	III	174MB3T14	Legal Aspects of Business	0
17	III	174MB3T15	Business Ethics & Corporate Governance	0
18	III	174HR3E01	Leadership Management	0

PRINCIPAL
Aditya Engineering College
SURAMPALAM


S.No	Semester	Course Code	Course Name	% of content revised for the existing year
19	III	174HR3E02	Compensation & Reward Management	0
20	III	174HR3E03	Performance Management	0
21	III	174HR3E04	Strategic Human Resource Management	0
22	III	174FI3E01	Security Analysis & Portfolio Management	0
23	III	174FI3E02	Banking & Insurance Management	0
24	III	174FI3E03	Advance Management Accounting	0
25	III	174FI3E04	Strategic Financial Management	0
26	III	174MA3E01	Consumer Behavior	0
27	III	174MA3E02	Retail Management	0
28	III	174MA3E03	Customer Relationship Management	0
29	III	174MA3E04	Strategic Marketing	0
30	IV	174MB4T16	Logistic & Supply Chain Management	0
31	IV	174MB4T17	Entrepreneurship Development	0
32	IV	174HR4E01	Organizational Development & Change Management	0
33	IV	174HR4E02	Global Human Resource Management	0
34	IV	174HR4E03	Labor Welfare & Legislation	0
35	IV	174HR4E04	Management of Industrial Relations	0
36	IV	174FI4E01	Financial Markets & Services	0
37	IV	174FI4E02	Global Financial Management	0
38	IV	174FI4E03	Risk Management	0
39	IV	174FI4E04	Tax Management	0
40	IV	174MA4E01	Services Marketing	0
41	IV	174MA4E02	Promotional Distribution Management	0

PRINCIPAL
Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
42	IV	174MA4E03	Global Marketing Management	0
43	IV	174MA4E04	Supply Chain Management	0
44	IV	174MB4P02	Major Project	0
45	III	174SY3E01	E-Business	0
46	III	174SY3E02	RDBMS	0
47	III	174SY3E03	System Analysis & Design	0
48	III	174SY3E04	Web Designing	0
49	IV	174SY4E01	Business Intelligence	0
50	IV	174SY4E02	Enterprise Resource Planning	0
51	IV	174SY4E03	Cyber Laws & Security	20
52	IV	174SY4E04	Information Systems Audit	20

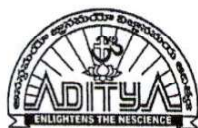
Total number of courses in the academic year 2018-19	= 52
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-19	= 2
Percentage of syllabus revision carried out in the academic year 2018-19 = $(2/52)*100$	= 3.84%

D. Nehru
Program Coordinator


PRINCIPAL
Aditya Engineering College
SURAMPALEM

N. V. Reddy
Head of the Department

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



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : INTEGRATED MANAGEMENT OF BUSINESS
ADMINISTRATION

Syllabus Revision for the Academic Year 2018-19

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	V	16IM501	Financial Management	100
2	V	16IM502	Marketing Management	100
3	V	16IM503	Human Resource Management	100
4	V	16IM504	Production and Operations Management	100
5	V	16IM505	Research Methodology	100
6	VI	16IM601	Operations Research	100
7	VI	16IM602	International Business	100
8	VI	16IM603	Strategic Management	100
9	VI	16IM604	Decision Support Systems	100
10	VI	16IM605	Mini Project*	0
11	I	175IM1T01	English Language – I	0
12	I	175IM1T02	Business Mathematics & Statistics	0
13	I	175IM1T03	Fundamentals of Business Organization	0
14	I	175IM1T04	Financial Accounting – I	0
15	I	175IM1T05	Fundamentals of Computers	0
16	II	175IM2T06	English Language – II	0
17	II	175IM2T07	Business Environment	0
18	II	175IM2T08	Managerial Economics	0
19	II	175IM2T09	Financial Accounting – II	0
20	II	175IM2T10	Organizational Communications	0
21	III	175IM3T11	Principles of Management	0

PRINCIPAL
Aditya Engineering College
SURAMPALAM

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
22	III	175IM3T12	Cost Accounting	0
23	III	175IM3T13	Banking Theory & Practice	0
24	III	175IM3T14	Business Law	0
25	III	175IM3T15	Entrepreneurship Development	0
26	IV	175IM4T16	Organizational Behavior	0
27	IV	175IM4T17	Management Accounting	0
28	IV	175IM4T18	Company Law	0
29	IV	175IM4T19	Elements of Direct & Indirect Taxes	0
30	IV	175IM4T20	Management Information Systems	0

Total number of courses in the academic year 2018-19	= 30
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-19	= 9
Percentage of syllabus revision carried out in the academic year 2018-19 = $(9/30) \times 100$	= 30%

D. Mehrotra
Program Coordinator

N. Vikas
Head of the Department

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

Sul
PRINCIPAL
Aditya Engineering College
SURAMPALEM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

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

Program Name : Master of Computer Applications

Syllabus Revision for the Academic Year 2018-2019

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	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

PRINCIPAL

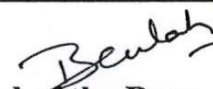
Aditya Engineering College
SURAMPALAM

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 LAB	0
35	4	173MC1L11	DATA WAREHOUSING AND MINING LAB	0
36	4	173MC1L12	OBJECT ORIENTED ANALYSIS AND DESIGN LAB	0
37	5	MC1651	BIG DATA ANALYTICS	100
38	5	MC1652	NETWORK PROGRAMMING	0
39	5	MC1653	PYTHON PROGRAMMING	100
40	5	MCA16.5.4.1	CYBER SECURITY	100
41	5	MCA16.5.4.2	COMPUTER FORENSICS	0
42	5	MCA16.5.4.3	E-COMMERCE	0
43	5	MCA16.5.5.1	INTERNET OF THINGS	100
44	5	MCA16.5.5.2	MULTIMEDIA APPLICATION DEVELOPMENT	0
45	5	MCA16.5.5.3	SOFTWARE TESTING METHODOLOGIES	100

46	5	MC165A	BIG DATA ANALYTICS LAB	100
47	5	MC165B	NETWORK PROGRAMMING LAB	0
48	5	MC165C	PYTHON PROGRAMMING LAB	100
49	6	MC165D	PROJECT SEMINAR	0
50	6	173MCPO1	DISSERTATION/ THESIS	0

Total number of courses in the academic year 2018-2019	= 50
Number of courses having revision in syllabus content $\geq 20\%$ in the academic year 2018-2019	= 7
Percentage of syllabus revision carried out in the	= 14.00%


Program Coordinator


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


PRINCIPAL
Aditya Engineering College
SURAMPALAM