

# 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 2021-2022

S.No	Semester	Course Code	Course Name	% of content revised for the existing year
1	I	201HS1T01	Communicative English	0
2	I	201BS1T01	Differential Equations and Linear Algebra	0
3	I	201BS1T04	Engineering Chemistry	0
4	I	201ES1T02	Programming for Problem Solving using C	0
5	I	201ES1I01	Engineering Graphics and Design	0
6	I	201HS1L01	Communicative English Lab	0
7	I	201BS1L03	Engineering Chemistry Lab	0
8	I	201ES1L02	Programming for Problem Solving using C Lab	0
9	I	201MC1T01	Environmental Science	0
10	II	201BS2T06	Transform Techniques	0
11	II	201BS2T09	Applied Physics	0
12	II	201ES2I03	Object Oriented Programming through JAVA	0
13	II	201ES2T10	Basic Electrical Engineering	0
14	II	201ES2T14	Network Analysis	0
15	II	201ES2L08	Electronics Engineering Workshop	0
16	II	201BS2L04	Applied Physics Lab	0
17	II	201ES2L13	Basic Electrical Engineering Lab	0
18	II	201MC2L01	Professional Communication Skills Lab	0
19	II	201MC2T02	Constitution of India	0
20	III	201BS3T10	Numerical Methods & Vector Calculus	0
21	III	201EC3T01	Electronic Devices and Circuits	0
22	III	201EC3T02	Signals and Systems	0
23	III	201EC3T03	Digital Electronics and Logic Design	0
24	III	201EC3T04	Random Variables and Stochastic Processes	0
25	III	201EC3L01	Electronic Devices and Circuits Lab	0
26	III	201EC3L02	Signals and Systems Lab	100
27	III	201EC3L03	Digital Electronics and Logic Design Lab	0

PRINCIPAL  
Aditya Engineering College  
SURAMPALAM

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

2021  
PRINCIPAL  
Aditya Engineering College  
SURAMPALM

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




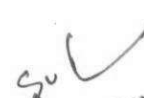
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
94	VI	191CS6O07	Web Technologies	0
95	VI	191CS6O08	Cyber Security	100
96	VI	191CS6O09	AR / VR	100
97	VI	191IT6O03	Computer Organization	100
98	VI	191IT6O04	AI Tools & Techniques	100
99	VI	191IT6O05	Robotic Process Automation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

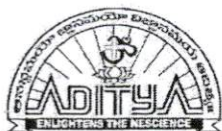
S.No	Semester	Course Code	Course Name	% of content revised for the existing year
127	VIII	171EE8O05	Robotics	0
128	VIII	171EC8O02	Disaster Management	0
129	VIII	171EE8O07	Internet of Things	0
130	VIII	171EC8O03	Neural Networks	0
131	VIII	171CE8O03	Alternative Energy Sources	0
132	VIII	171CE8O02	Database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

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

  
**Program Coordinator**

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

  
**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

## Department of Electronics and Communication Engineering

Date: 26-04-2022

### Minutes of the VIII meeting of BOS scheduled on 25-04-2022

The VIII meeting of the BOS of Electronics and Communication Engineering Department was held on 25-04-2022 at 09.30 AM.

The Members discussed the agenda items and made the following resolutions.

**Agenda 8.1: Welcome address by Chairman**

Dr. G. Sridevi, Chairman of BOS, invited all the distinguished members of BOS to the first BOS meeting.

**Agenda 8.2: Ratification of minutes of the previous Board of Studies meeting.**

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 07-10-2021.

**Agenda 8.3: Discussion on proposed AR20B.Tech (ECE) V, VI, VII and VIII semesters syllabus and ratification of the same.**

The BOS members approved the AR20B.Tech (ECE) V, VI, VII and VIII semesters syllabus after incorporating the following changes in the proposed syllabus.

The members of BOS suggested the following changes to the proposed AR19 VI, VII and VIII Semester B.Tech (ECE):

- Suggested to include Industrial IoT concepts in the Internet of Things course of VI semester.
- Suggested to include current advancements as augmented experiments in IoT laboratory course of VI semester.
- Suggested to include some of the Nano Electronics concepts in VLSI course of VI semester.
- Suggested to make "Modern VLSI Design: System-on-Chip Design, Wolf Wayne" as a text book instead of reference book.
- Suggested to include counters / registers based experiments in VLSI laboratory course of VI semester.
- Suggested to include Cryptography concepts like error control coding, RS, DES and AES algorithms in Information Theory and Coding course (Professional Elective –II) of VI semester.

PRINCIPAL

Aditya Engineering College  
SURAMPALAM



- Suggested to remove MTI Radar and concentrate more on Range Gated Doppler Radar in UNIT-II of Radar Systems course in VI semester.
- Suggested to reframe the syllabus contents of Embedded C course (Professional Elective –III) in VI semester.
- Suggested to include overview of evolutionary techniques for testing in Design for Testability course (Professional Elective –III) of VI semester.
- Suggested to frame the syllabus of Signal Transform Techniques course of VI semester in an application-oriented approach as it seems to be mathematical course.
- Suggested to include power link budgeting concept and frame the syllabus in a qualitative approach for Microwave and Optical Communication course in VII semester.

**Agenda 8.4: Discussion on proposed AR20 Honor and Minor Degree Courses syllabus and ratification of the same.**

After long discussions with the BOS members on the proposed list of courses offered to obtain Honor degree in ECE and Minor degree under AR20 B.Tech Regulation and the following suggestions are made:

- Suggested to frame a course with Advanced Modulation techniques and coding techniques instead of Optical Networks in IV semester of Honors Degree program structure.
- Suggested to frame the syllabus of Open Elective courses and Minor Degree courses in a qualitative approach.
- Suggested to give different the course names for Open Elective courses and Minor Degree courses to avoid ambiguity at the time examination conduction.

**Agenda 8.5: Discussion on value added courses offered for the students and ratification of the same.**

Members of BOS ratified the following value- added courses identified for the students to be offered and suggested to include topics related to thrust areas.

- Signal and Image Processing using MATLAB
- NI\_LabVIEW
- PCB Designing
- AWS Cloud Computing
- Arduino based Programming
- Block chain Technology
- Cyber security Essentials
- Machine Learning using Python

  
**PRINCIPAL**  
**Aditya Engineering College**  
**SURAMPALEM**

**Agenda 8.6: Discussion on the new courses offered in the B.Tech (ECE) program and ratification of the same.**

Members of BOS noted the new courses offered in the B.Tech (ECE) program and ratified the same. Percentage of new courses introduced in the academic year 2021-2022 for B.Tech (ECE) is 20.65 %. The list of new courses is enclosed as Annexure-I.

**Agenda 8.7: Discussion on the percentage of the syllabus revision has done in the B.Tech(ECE) & M.Tech(VLSI Design) programs and ratification of the same.**

The syllabus revisions done in B.Tech(ECE) & M.Tech(VLSI Design) programs based on the Stakeholders feedback on curriculum. The BOS members have approved all the syllabus revisions in B.Tech(ECE) & M.Tech(VLSI Design) programs. The percentage of courses revised in the academic year 2021-2022 for the B.Tech (ECE) is 36.2% and M.Tech (VLSI Design) is 4.54%. The list of courses revised during the academic year 2021-2022 is enclosed as Annexure-II.

**Agenda 8.8: Discussion on the courses having focus on employability/ entrepreneurship/ skill development in the program of B.Tech(ECE) & M.Tech(VLSI Design) programs and ratification of the same.**

The members of BOS ratified the courses having focus on employability/entrepreneurship/skill development in the B.Tech (ECE) & M.Tech (VLSI Design) programs.

**Agenda 8.9: Discussion on the B.Tech (ECE) & M.Tech (VLSI Design) programs in which Choice Based Credit System (CBCS)/Elective Course system is being implemented and ratification of the same.**

Members of BOS ratified the choice based credit systems (CBCS)/Elective Course system that is being implemented in B.Tech(ECE) & M.Tech(VLSI Design) programs.

**Agenda 8.10: Analysis of Stakeholder's Feedback on Curriculum**

The BOS Chairperson presented the analysis report of Stakeholder's feedback on curriculum. The BOS members noted the same and the Action Taken Report is enclosed as Annexure-III.

**Agenda 8.11: Analysis of Results of the odd semester of the academic year 2021-22.**

The BOS Chairperson presented the odd semesters pass percentage for the A. Y. 2021-2022. The BOS members noted the same.

**Agenda 8.12: Analysis of students feedback in the odd semester of the academic year 2021-22**

BOS Chairperson expressed that the student feedback in academic year 2021-2022 for odd semester. The BOS members noted the same



**Agenda 8.13: Any other items with the approval of Chairperson**

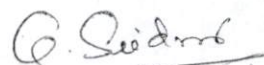
More emphasis should be given on laboratories with design oriented experiments.

**Agenda 8.14: Scheduling of next Board of Studies meeting.**

The next BOS meeting is tentatively scheduled in the month of December 2022.

**Agenda 8.15: Vote of Thanks**

Dr. G.Sridevi, BOS Chairperson presented the Vote of thanks.



**BOS Chairperson**

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

gu ✓

PRINCIPAL  
Aditya Engineering Coll  
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

## Department of Electronics and Communication Engineering

### Annexure-I

#### List of New Courses in the Academic Year 2021-2022

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ECE)	V	191PR5P02	Socially Relevant Project
2	B. Tech (ECE)	III	201EC3L02	Signals and Systems Lab
3	B. Tech (ECE)	III	201SO3L04	Skill Oriented Course I: Python Programming
4	B. Tech (ECE)	IV	201SC4L16	Skill Oriented Course-II: a) PCB Designing
5	B. Tech (ECE)	IV	201SC4L17	Skill Oriented Course-II: b) Applications of Python Programming
6	B. Tech (ECE)	V	191EC5E02	Digital System Design-I
7	B. Tech (ECE)	V	191EC5E03	Electromagnetic Interference & Compatibility
8	B. Tech (ECE)	V	191EC5E04	Python Programming
9	B. Tech (ECE)	V	191EC5O01	Signals & Systems
10	B. Tech (ECE)	V	191EC5O02	Digital Electronics and Logic Design
11	B. Tech (ECE)	V	191EC5O03	Semi conductor devices
12	B. Tech (ECE)	VI	191EC6E05	Digital System Design-II
13	B. Tech (ECE)	VI	191EC6E08	Soft Computing Techniques
14	B. Tech (ECE)	VI	191EC6E10	Embedded C
15	B. Tech (ECE)	VI	191EC6E09	Design for Testability
16	B. Tech (ECE)	VI	191EC6E12	Signal Transform Techniques
17	B. Tech (ECE)	VI	191EC6O04	Biomedical Instrumentation
18	B. Tech (ECE)	VI	191EC6O05	ECAD Tools
19	B. Tech (ECE)	VI	191EC6L07	Internet of Things Lab

PRINCIPAL

Aditya Engineering College  
SURAMPALAM

BOS Chairperson

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



# 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

## Department of Electronics and Communications Engineering

### Annexure-II

#### List of Courses Revised in the Academic Year 2021-2022

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ECE)	V	191EC5E01	Computer System Architecture
2	B. Tech (ECE)	V	191EC5L05	Integrated circuits and applications lab
3	B. Tech (ECE)	VI	191EC6T13	VLSI Design
4	B. Tech (ECE)	VI	191EC6E07	Information Theory and Coding
5	B. Tech (ECE)	VI	191EC6L08	VLSI Lab
6	M. Tech (VLSID)	I	192VD1E03	MEMS Technology
7	M. Tech (VLSID)	I	192VD1E06	Photonics
8	M. Tech (VLSID)	II	192VD2E08	IoT & Its Applications

BOS Chairperson

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

## Department of Electronics and Communication Engineering

### Annexure III

### Action Taken Report on Stakeholders Feedback

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	8.10	Institution and Industry interaction is needed for the students.	Institute has signed MOUs with renowned industries to cater the students to aware of real time applications and recent trends in Industries. Internship is made mandatory. Regular Visit to Industry.
2	8.10	Include cutting technologies in the syllabus	In the revised Syllabus, Open Elective I, II, III & IV are introduced and all the emerging technologies are included in these courses.
3	8.10	Include a greater number of courses related to IT.	Web Technologies, Cyber Security, Operating Systems are in electives, can be opted by students who are interested in IT sector as their career.
4	8.10	Differential equations and linear algebra, Applied Physics courses are included in I <sup>ST</sup> semester. It will be a difficult task for fresh engineering graduate to handle two mathematical background courses in the very first semester. This may be taken care of to reduce the burden over an average performing students.	Applied Physics course in the first semester is substituted with the course Engineering chemistry and Applied Physics is included in the second semester.
5	8.10	Environmental Science and Constitution of India are included in the same semester which is non- technical courses. Please substitute one of the courses with a technical course.	The course Engineering Graphics and Design is included in the first semester and Constitution of India is included in the second semester.

PRINCIPAL

Aditya Engineering College  
SURAMPALAM

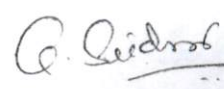
6	8.10	A course should be included in the curriculum which provides a proper guideline for project work.	Engineering exploration project appears in the II semester to provide an insight to how to carry out an effective project work by students.
7	8.10	Increase industrial training practically	Internship is made mandatory and thereby the students should take the industry training and to implement a project as part of Internship.
8	8.10	workshops and FDPs which focuses on outcome-based education should be organized.	Recommendation will be taken forward to the concerned body.
9	8.10	It was observed that quiet number of students are showing interest towards animation and VFX technologies. Proper guidance may be suggestable.	3D PRINTING course is included in the syllabus offering as elective. Students who are interested can opt for the course.
10	8.12	It will be helpful to the students if the students come across department related courses in the early semester itself. This helps the students in having an insight on GATE and other competitive exams.	Integrated circuits and applications course is included in the curriculum in the IV semester which is one of the core subjects of electronics and communication engineering course.
11	8.12	Students get benefitted if coding or programming related course is introduced in the early semesters so that by the end of the graduation the student will be industry ready.	Skill oriented courses, Python programming, PCB design, Applications of Python Programming are introduced in the III and IV semesters to have an exposure on cutting edge technologies.
12	8.12	In Network Analysis course, filters topic which cannot be handled by a student in the early semesters. It should be excluded from the course.	Filters topic is excluded from Network Analysis as it appears in the other courses in the up-coming semesters.
13	8.10	Students will benefit from Industry institute interaction if facilitated.	Institute has signed MOUs with renowned industries to cater the students to aware of real time applications and recent trends in Industries.
14		ASIC & FPGA design methodologies, HVL: System Verilog, SVA, Verification Planning and Management, Code and Functional Coverage, Perl	This suggestion will be taken forward to the concerned desk for necessary action to be taken.

PRINCIPAL



	8.10	scripting language and VIP coding style are advanced courses. One can easily enter into the VLSI industry with the skill sets that are gained through these courses.	
15	8.10	Encourage students to be a part of real time and live projects.	This suggestion will be taken forward to the concerned desk for necessary action to be taken.
16	8.10	Physical Design courses emphasizes on issues faced in industry level and how to resolve those issues. courses also focus on other aspects of VLSI back-end flow including Synthesis, IR drop analysis and Physical verification. Courses also will provide students with entire back-end flow, making sure that students fit in to various job requirements. Facilitate courses related to this.	This suggestion will be taken forward to the concerned desk for necessary action to be taken.
17	8.10	Students should be encouraged in taking active part in research and development.	This suggestion will be taken forward to the concerned desk for necessary action to be taken in such a way that the students can be involved in research activities.
18	8.12	Job oriented and skill-oriented courses related to the domain, if included in the curriculum will help students to a great extent.	This suggestion will be discussed in the BOS meeting and changes will be brought in the curriculum with proper approval.
19	8.12	The dynamic curriculum of Advance VLSI Design and Verification course fits perfectly with the career aim of fresh engineering graduates and helps them to 'future-proof' themselves and remain relevant for the rapidly evolving Semiconductor technology space. Include such courses in the curriculum.	This suggestion will be discussed in the BOS meeting and changes will be brought in the curriculum with proper approval.

  
**PRINCIPAL**  
**Aditya Engineering College**  
**SURAMPALAM**

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