



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Professional Elective and Open Elective for 4th year 1st Semester students and allocating subjects.

OPEN ELECTIVE-III (1 OUT OF 3)	
1. Concepts of Microprocessors and Microcontrollers	0 students out of 63 chosen
2. Fundamentals of Electric Vehicles	63 students out of 63 chosen
3. Concepts of Internet of Things	0 students out of 63 chosen

OPEN ELECTIVE-IV(1 OUT OF 4)	
1. Optimization Techniques	0 students out of 63 chosen
2. Smart Manufacturing	0 students out of 63 chosen
3. Safety Engineering	0 students out of 63 chosen
4. Operations Management	63 students out of 63 chosen

PROFESSIONAL ELECTIVE-III(1 OUT OF 3)	
1. Optical Communication.	63 students out of 63 chosen
2. Digital Image Processing.	0 students out of 63 chosen
3. Low Power VLSI Design.	0 students out of 63 chosen

PROFESSIONAL ELECTIVE-IV(1 OUT OF 3)	
1. Satellite Communications.	63 students out of 63 chosen
2. Soft Computing Techniques.	0 students out of 63 chosen
3. Digital IC Design using CMOS.	0 students out of 63 chosen

PROFESSIONAL ELECTIVE-V(1 OUT OF 3)	
1. Radar engineering.	63 students out of 63 chosen
2. Pattern recognition & Machine Learning.	0 students out of 63 chosen
3. Internet of Things.	0 students out of 63 chosen



AVANTHI'S St.THERESSA INSTITUTE OF Engineering & Technology

(Approved by AICTE, Recognised by the Govt. of A.P., & Affiliated to JNTU-GV, Vizianagaram)

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The finalized 4th year 1st semester Open Elective-III, Open Elective-IV and Professional Elective-III, Professional Elective-IV, Professional Elective-V based on student's interests are:

Open Elective-III: Fundamentals of Electric Vehicles (FEV)

Open Elective-IV: Operations Management (OM)

Professional Elective-III: Optical Communication (OC)

Professional Elective-IV: Satellite Communications (SC)

Professional Elective-V: Radar Engineering (RE)

Open Elective-I and Professional Elective-I subject for the 3rd Year 1st Semester Students

OPEN ELECTIVE –I (1 OUT OF 3)	
1. Renewable Energy Sources	47 students out of 47 chosen
2. Electrical Machine Design	0 students out of 47 chosen
3. Intelligent Control Systems	0 students out of 47 chosen

PROFESSIONAL ELECTIVE -I(1 OUT OF 3)	
1.Computer Architecture & organization	0 students out of 47 chosen
2.Antenna Analysis and Design	0 students out of 47 chosen
3.Electronic measurements and instrumentation	47 students out of 47 chosen

The finalized 3rd year 1st semester Open elective-I and Professional Elective-I based on students interests are

Open Elective-I: Renewable Energy Sources (RES)

Professional Elective- I: Electronic Measurements and Instrumentation (EMI)