



AVANTHI'S St.THERESSA INSTITUTE OF Engineering & Technology

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

Garividi (Cheepurupalli) Vizianagaram Dist - 535101

website : www.sttheressaengg.ac.in

email : astiet@sttheressaengg.ac.in

Professional Elective and Open Elective for 4th year 1st Semester (R20) students and allocating subjects.

OPEN ELECTIVE-III(1 OUT OF 8)	
1.Basics of Signals and Systems	9 out of 100 students chosen
2. Electronic Measurements and Instrumentation	0 out of 100 students chosen
3. Principles of Signal Processing	5 out of 100 students chosen
4. Industrial Electronics	0 out of 100 students chosen
5. Consumer Electronics	0 out of 100 students chosen
6. Fundamentals of Microprocessors and Microcontrollers	14 out of 100 students chosen
7. Transducers and Sensors	0 out of 100 students chosen
8. IOT and Applications	72 out of 100 students chosen

OPEN ELECTIVE-IV(1 OUT OF 2)	
1. Concepts of Power System Engineering	81 out of 100 students chosen
2. Concepts of Smart Grid Technologies	19 out of 100 students chosen

PROFESSIONAL ELECTIVE-III(1 OUT OF 4)	
1.Cloud Computing	76 out of 100 students chosen
2.Neural Networks and Soft Computing	9 out of 100 students chosen
3.Ad-hoc and Sensor Networks	9 out of 100 students chosen
4.Cyber Security & Forensics	6 out of 100 students chosen



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PROFESSIONAL ELECTIVE-IV(1 OUT OF 4)	
1. Deep Learning Techniques	73 out of 100 students chosen
2. Social Networks & Semantic Web	8 out of 100 students chosen
3. Computer Vision	9 out of 100 students chosen
4.MOOCs-NPTEL/SWAYAM	10 out of 100 students chosen

PROFESSIONAL ELECTIVE-V(1 OUT OF 4)	
1.Block-Chain Technologies	78 out of 100 students chosen
2.Wireless Network Security	7 out of 100 students chosen
3.Ethical Hacking	5 out of 100 students chosen
4. MOOCs-NPTEL/SWAYAM	10 out of 100 students chosen

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: IOT and Applications (IOT)

Open Elective-IV: Concepts of Power System Engineering (CPSE)

Professional Elective-III: Cloud Computing (CC)

Professional Elective-IV: Deep Learning Techniques (DLT)

Professional Elective-V: Block-Chain Technologies (BCT)



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Professional Elective and Open Elective for 3rd year 1st Semester (R23) students and allocating subjects to faculty.

OPEN ELECTIVE-I(1 OUT OF 3)	
1. Renewable Energy Sources	78 out of 102 students chosen
2. Electrical Machine Design	11 out of 102 students chosen
3. Intelligent Control Systems	13 out of 102 students chosen

PROFESSIONAL ELECTIVE-I(1 OUT OF 5)	
1. Object Oriented Analysis and Design	73 out of 102 students chosen
2. Software Testing Methodologies	12 out of 102 students chosen
3. Advanced Computer Architecture	9 out of 102 students chosen
4. Computer Graphics	0 out of 102 students chosen
5. MOOCS-NPTEL/SWAYAM	8 out of 102 students chosen

3rd year 1nd semester (R23) Open elective-I and Professional Elective-I based on students interests are

Open Elective-I: Renewable Energy Sources (RES)

Professional Elective-I: Object Oriented Analysis and Design (OOAD)