AVANTHI'S
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(Approved by AICTE, Recognised by the Govt. of A.P., & Affiliated to JNTU-GV, Vizianagaram)
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

OPEN ELECTIVE-III(1 OUT OF 16)	
1.Basics of Signals and Systems	0 out of 41 students chosen
2. Electronic Measurements and Instrumentation	0 out of 41 students chosen
3. Principles of Signal Processing	0 out of 41 students chosen
4. Industrial Electronics	0 out of 41 students chosen
5. Consumer Electronics	0 out of 41 students chosen
6. Fundamentals of Microprocessors and Microcontrollers	0 out of 41 students chosen
7. Transducers and Sensors	0 out of 41 students chosen
8. IOT and Applications	0 out of 41 students chosen
9. Soft Computing Techniques	0 out of 41 students chosen
10. IC Applications	0 out of 41 students chosen
11. Principles of Communications	41 out of 41 students chosen
12. Basic Electronics	0 out of 41 students chosen
13. Data Communications	0 out of 41 students chosen
14. Digital Logic design	0 out of 41 students chosen
15. Remote Sensing and GIS	0 out of 41 students chosen
16. Bio Medical Instrumentation	0 out of 41 students chosen

OPEN ELECTIVE-IV(1 OUT OF 7)	
1.MEAN Stack Technologies	0 out of 41 students chosen
2. Deep Learning Techniques	0 out of 41 students chosen
3. Cloud computing with AWS	0 out of 41 students chosen
4. Block Chain Technologies	0 out of 41 students chosen
5. Cryptography & Network Security	0 out of 41 students chosen
6. Introduction to Machine Learning	0 out of 41 students chosen
7. Machine Learning with Python	41 out of 41 students chosen

PROFESSIONAL ELECTIVE-III(1 OUT OF 5)	
1.Digital Signal Processing	0 out of 41 students chosen
2. Renewable and Distributed Energy Technologies	0 out of 41 students chosen
3. Flexible AC Transmission Systems	41 out of 41 students chosen
4. Power Systems Deregulation	0 out of 41 students chosen
5. Data Base Management Systems	0 out of 41 students chosen

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PROFESSIONAL ELECTIVE-IV(1 OUT OF 5)	
1. Hybrid Electric Vehicles	0 out of 41 students chosen
2. High Voltage Engineering	41 out of 41 students chosen
3. Programmable Logic Controllers and Applications	0 out of 41 students chosen
4. Cloud Computing with AWS	0 out of 41 students chosen
5. Deep Learning Techniques	0 out of 41 students chosen

PROFESSIONAL ELECTIVE-V(1 OUT OF 5)	
1. Power System Operation and Control	41 out of 41 students chosen
2. Switched Mode Power Conversion	0 out of 41 students chosen
3. AI Applications to Electrical Engineering	0 out of 41 students chosen
4. Data Science	0 out of 41 students chosen
5. MEAN Stack Technologies	0 out of 41 students chosen

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: Principles of Communications

Open Elective-IV: Machine Learning with Python

Professional Elective-III: Flexible AC Transmission Systems

Professional Elective-IV: High Voltage Engineering

Professional Elective-V: Power System Operation and Control

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

OPEN ELECTIVE –I (1 OUT OF 3)	
1.Global Navigation Satellite Systems	0 out of 59 students chosen
2.Internet of Things	59 out of 59 students chosen
3.Communication systems	0 out of 59 students chosen

PROFESSIONAL ELECTIVE -I(1 OUT OF 3)	
1.Signals and Systems	0 out of 59 students chosen
2. Computer Architecture and Organization	0 out of 59 students chosen
3.Communication systems	59 out of 59 students chosen

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

Open Elective-I: Internet of Things (IOT)

Professional Elective- I: Communication Systems(CS)