Roadmap

Department of Electrical and Electronics Engineering meticulously designs the curriculum of the program in accordance with JNTU, AICTE & NBA guidelines. The following are the high-level degree roadmaps according to year of enrollment:

Roadmap for Class of 2025

Year-Sem	subject/Laboratory Name and Code (ACE R20 Regulation)										
1-1	MA101BS Mathematics-I	CH102BS Engineering Chemistry	EE103ES Basic Electrical Engineering	ME105ES Engineering Workshop	EN105HS English	CH106BS Engineering Chemistry Lab	EN107HS English Language and Communication Skills Lab	EE108ES Basic Electrical Engineering Lab	MC109 Python Programming	MC110 Aptitude & Reasoning	
1-2	MA201BS Mathematics – II	PH202BS Applied Physics	CS203ES Programming for Problem Solving	ME204ES Engineering Graphics	PH205BS Applied Physics Lab	CS206ES Programming for Problem Solving Lab	MC207ES Environmental Science	MC208 Business English			
2-1	ME301ES Engineering Mechanics	EE302PC Electrical Circuits	EE303PC Analog Electronics	EE304PC Electrical Machines-I	EE305PC Electromagnetic Fields	EE306PC Electrical Machines Lab-I	EE307PC Analog Electronics Lab	EE308PC Electrical Circuits Lab	MC309HS Gender Sensitization Lab	MC310CS Fundamentals of Data Structures	
2-2	MA401BS Laplace Transforms, Numerical Methods and Complex Variables	EE402PC Electrical Machines-II	EE403PC Digital Electronics	EE404PC Control Systems	EE405PC Power System-I	EE406PC Power System Lab-I	EE407PC Digital Electronics Lab	EE408PC Electrical Machines Lab-II	EE409PC Control Systems Lab	MC409HS Constitution of India	MC410BS Numerical Methods Lab
3-1	EE501PC Power Electronics	EE502PC Power System-II	EE503PC Electrical Measurements And Instrumentation	EE511PE Computer Architecture (Professional Elective-I)	SM504MS Business Economics and Financial Analysis	EE505PC Power System Lab-II	EE506PC Power Electronics Lab	EE507PC Electrical Measurements and Instrumentation Lab	EN508HS Advanced English Communication skills Lab	MC509 Intellectual Property Rights	MC511 Artificial Intelligence
3-2	EE601PC Digital Signal Processing	EE602PC Microprocessors and Microcontrollers	EE603PC Power System Protection	EE604PC Power System Operation and Control	EE612PE Wind and Solar Energy Systems (Professional Elective-II)	EC600OE Fundamentals of Internet of Things (Open Elective-I)	EE605PC Electrical Systems Simulation Lab	EE606PC Microprocessors and Microcontrollers Lab	EE607PC Digital Signal Processing Lab	MC610 Cyber Security	
4-1	EE701PC Power Semiconductor Drives	SM702MS Fundamentals of Management for Engineers	EE711PE Flexible AC Transmission Systems (Professional Elective-III)	EE721PE HVDC Transmission (Professional Elective-IV)	CS700OE Data Structure (Open Elective-II)	EE703PC Electrical and Electronics Design Lab	EE704PC Project Stage-I	EE705PC Industry Oriented Mini Project	EE706PC Technical Seminar	MC707EC Introduction to ARDUINO	
4-2	ME800OE Non-Conventional Sources of Energy (Open Elective-III)	EE811PE EHV AC Transmission Systems (Professional Elective-V)	EE821PE Utilization of Electric Power (Professional Elective-VI)	EE801PC Project Stage-II							