

Roadmap for Class of 2027

Year-Sem	Subject/Laboratory Name and Code (ACE R22 Regulation)									
1-1	MA101BS Matrices and Calculus	CH102BS Engineering Chemistry	EE103ES C Programming and Data Structures	EE105ES Electrical Circuit Analysis-I	ME105ES Computer Aided Engineering Graphics	EE106ES Electrical Circuit Analysis- I Laboratory	CH107BS Engineering Chemistry Laboratory	CS109ES C Programming and Data Structures Laboratory		
1-2	MA201BS Ordinary Differential Equations and Vector Calculus	PH202BS Applied Physics	ME203ES Engineering Workshop	EN204HS English for Skill Enhancement	EE205ES Electrical Circuit Analysis-II	CS206ES Python Programming Laboratory	PH207BS Applied Physics Laboratory	EN208HS English Language Skills Laboratory and Communication	EE209ES Electrical Circuit Analysis-II Laboratory	MC210 Environmental Science
2-1	MA301BS Numerical Methods and Complex variables	ME302ES Solid Mechanics & Hydraulic Machines	EC303ES Analog Electronics	EE304PC Electrical Machines-I	EE305PC Electromagnetic Fields	EE306PC Electrical Machines Laboratory-I	EC307ES Analog Electronics Laboratory	EE308PC Electrical Simulation Laboratory	MC310 Gender Sensitization Laboratory	
2-2	EE401PC Power Systems-I	EE402PC Measurements and Instrumentation	EE403PC Electrical Machines-II	EC404ES Digital Circuits	EE405PC Control Systems	EC406ES Digital Circuits Laboratory	EE407PC Measurements and Instrumentation Laboratory	EE408PC Electrical Machines-II Laboratory	EE409PC Research Oriented Mini Project/Field Based Project	MC409 Constitution of India
3-1	EE501PC Power Electronics	EE502PC Power System-II	EE503PC Microprocessors & Microcontrollers	Professional Elective-I	SM504MS Business Economics and Financial Analysis	EE505PC Microprocessors & Microcontrollers Laboratory	EE506PC Control Systems Laboratory	EN508HS Advanced English Communication Skills Laboratory	MC510 Intellectual Property Rights	
3-2	Open Elective-I	Professional Elective-II	EE601PC Digital Signal Processing	EE602PC Power System Protection	EE603PC Power System Operation and Control	EE604PC Power System Laboratory	EE605PC Power Electronics Laboratory	EE606PC Digital Signal Processing Lab	EE607PC Industry Oriented Mini Project/Internship	MC609 Environmental Science
4-1	EE701PC Power Electronic Applications to Renewable Energy Systems	Open Elective-II	Professional Elective-III	Professional Elective-IV	EE702PC Fundamentals of Management for Engineers	EE703PC Simulation of Renewable Energy Systems Laboratory	EE704PC Project Stage-I			
4-2	Open Elective-III	Professional Elective-V	Professional Elective-VI	EE801PC Project Stage-II including Seminar						