



HONORS AND MINORS:

An Honors is a higher level of academic achievement in the major area of study. An Honors is the field in which a student focuses during the course of his/her degree.

Bachelor of Technology (B.Tech.) with Minor program focuses on the fundamental principles of multiple engineering disciplines, critical & analytical thinking and the ability to develop a distinctive approach to interdisciplinary problems.

The Honors and Minor program will commence in Semester IIIrd and will be spread over 5 semesters (III-VII). Eligible students can opt for anyone Honors or Minors certification offered in a given academic year by the department. To avail Honors or Minors certification, students need to acquire an additional 18 credits.

Following are the Honors and Minor program offered by the Institute.

Honors / Double Minor Degree Programs							
Discipline	Honors/ double Minors degree Program	Eligible Students	3 rd Sem	4 th Sem	5 th Sem	6 th Sem	7 th Sem
Computer Science & Engineering	Artificial Intelligence and Machine Learning	Honors: CS, IT, AD & ET Minors: ME & CE	Artificial Intelligence	Expert System Design	Machine Learning	Deep Learning	Teacher Assessment
Information Tech.	Data Science	Honors: CS, IT, AD & ET Minors: ME & CE	Foundations of Data Science	Statistics for Data Science	Data Science for Health and Social care	Text, Web and Social media analytics	Teacher Assessment
Civil Engineering	Structural Engineering	Honors: CE Minors: CS, IT, ET, ME & AD	Numerical Methods for Civil Engineering	Repairs and Rehabilitation of Structures	Plastic Analysis of Structures	Advanced Design of Reinforced Concrete Structures	Teacher Assessment
	Environmental Engineering	Honors: CE Minors: CS, IT, ET, ME & AD	Solid and hazardous waste management	Water and air quality modelling	Industrial wastewater treatment	Rainwater harvesting	Teacher Assessment
	Geotechnical & Transportation Engineering	Honors: CE Minors: CS, IT, ET, ME & AD	Bridge Engineering, Docks and Harbors	Traffic Engineering and Management	Water Retaining Structure	Geosynthetics	Teacher Assessment
	Civil Engineering	Honors: CE	Structural Dynamics	Advance Soil Mechanics	Urban Transportation Planning	Air and Noise Pollution Control Engineering	Teacher Assessment
Mechanical Engineering	Advance Thermal Engineering	Honors: ME Minors: ET, CE, IT, CS & AD	Applied Thermodynamics	Fluid Dynamics	Transfer & Heat Exchanger Design	Advance R&AC	Teacher Assessment
	Robotics & Automation	Honors: ME, ET Minors: CE, IT, CS & AD	Principles of Robotics	Robot Programming and Simulation	Industrial Automation	Artificial Intelligence in Robotics	Teacher Assessment
	Additive Manufacturing	Honors: ME Minors: ET, CE, IT, CS & AD	Fundamentals of Additive Manufacturing	Design for Additive Manufacturing	3D printing	Metal Additive Manufacturing	Teacher Assessment
	Electric Vehicle	Honors: ME, ET Minors: CE, IT, CS & AD	Basic of Automobile & EV	Battery Management & Fuel Cell Technologies	Hybrid & Autonomous Vehicle	Charging Infrastructure	Teacher Assessment
	Business Development Marketing & Finance	Honors: ME Minors: ET, CE, IT, CS & AD	Business Environment	Business Law & Ethics	Marketing Management & Analytics	Logistic Operations	Teacher Assessment
	Logistic Management	Honors: ME Minors: ET, CE, IT, CS & AD	Inventory Management	Demand Planning & Forecasting	Supply Chain Management	Industrial Costing & Finance	Teacher Assessment
Electronics and Telecommunication Engineering	Semiconductor Technologies	Honors: ET Minors: ME, CE, CS, IT & AD	Devices and CMOS Technology	Introduction to VLSI design	Logic Synthesis and Optimization	VLSI Chip design	Teacher Assessment
	Advance Communication Network	Honors: ET Minors: ME, CE, CS, IT & AD	Advance Communication network- 1	Advance Communication network- 2	Cloud Computing	Advance Network Security	Teacher Assessment

*** The guidelines related to the Honors/Minor degree Certification are provided as**



College of Engineering and Technology, Amravati

Autonomous Institution Affiliated to Sant Gadge Baba Amravati University, Amravati)

(Accredited with 'A+' Grade by NAAC)

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separate document: Rules and Regulations of Honors and Minors.