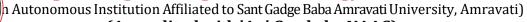
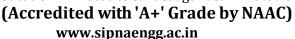
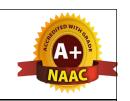
College of Engineering and Technology, Amravati







Multidisciplinary Minor (MDM): Multidisciplinary education constitutes a crucial component of India's modern educational framework. By this approach, the NEP 2020 aims to provide students with access to a broader knowledge base and skill set, equipping them for the dynamic challenges of the future. The multidisciplinary approach enables the integration of concepts, theories, techniques, and perspectives from other disciplines to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline, thereby making them holistic as well as Industry ready. Multidisciplinary Minor Track Courses are interdisciplinary Courses that transcend barriers of disciplines to provide a holistic learning experience through development of mental flexibility that prepares students to be lifelong learners.

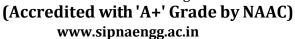
Students once registered for the selected Course of Multidisciplinary Minors (MDM) in $3^{\rm rd}$ semester need to complete all credits assigned from $3^{\rm rd}$ to $8^{\rm th}$ semester for the specific selected MDM course(Track) only. The following are Multidisciplinary Minor (MDM) courses offered by the Institute.

Discipline	Courses	Eligible Students	MDM-I 3 rd Sem	MDM-II 4 th Sem	MDM-III 5 th Sem	MDM-IV 6 th Sem	MDM-IV 8 th Sem
Computer Science & Engg.	Cyber Security and Cryptography	IT & AD	Web Security and Mobile Security	Risk Analysis and Assessment	Secure Communication and Cryptography	Secure Coding and Vulnerabilities	Teacher Assessment
	Fundamentals of Computing and software Systems	ET, ME & CE	Data Structure	Operating System	Database Management System	System Analysis and Software Testing	Teacher Assessment
Information Tech.	Cloud Computing	CS & AD	Cloud Infrastructure and services	Cloud computing tools and techniques	Cloud security and audit	Cloud application development and management	Teacher Assessment
	Fundamentals of Computing and software Systems	ET, ME & CE	Data Structure	Operating System	Database Management System	System Analysis and Software Testing	Teacher Assessment
Civil Engineering	Construction Technology	ET, ME, IT, AD & CS	Fundamentals of Civil Engineering	Building Construction & Planning	Surveying	Transportation Engineering	Teacher Assessment
	Transportation Engineering	ET, ME, IT, AD & CS	Highway Engineering	Railways & Airport Engineering	Bridges & Tunnel Engineering	Intelligent Transportation System	Teacher Assessment
Mechanical Engineering	Manufacturing Technologies	ET, CE, IT, AD & CS	Manufacturing Processes	Advance Manufacturing Processes	Metrology & Quality Control	Productivity Techniques	Teacher Assessment
	Energy Management	ET, CE, IT, AD & CS	Photovoltaic Energy System	Energy Management	Energy Efficiency of Thermal Utility	Sustainable Energy Conversion System	Teacher Assessment
Electronics and Telecommunication Engineering	Mobile and wireless Communication	ME, CE, IT, AD & CS	Basic Digital Communication	Data & Wireless Communications	Mobile Computing	5G & 6G Communications	Teacher Assessment
	IOT & Embedded Systems	ME, CE, IT, AD & CS	Microcontroller & Embedded C Programming	Sensors & Actuators in Embedded Systems	Real Time Embedded Systems	IOT & Applications	Teacher Assessment

^{*}Detail syllabus of Multidisciplinary Minors courses is available on webpage of respective



College of Engineering and Technology, Amravati Autonomous Institution Affiliated to Sant Gadge Baba Amravati University, Amravati) (Accredited with 'A+' Grade by NAAC)





department and refer B.Tech. academic rules and regulation.