

**LIST OF M TECH PROGRAMS FOR ACADEMIC YEAR 2016-17**

Sl. No.	Programme Title (M.Tech)	Specialisations	Eligibility (Minimum Qualification with 55% aggregate marks or 5.5 CGPA in the qualifying examination) with valid GATE Score
1	<b>Aerospace Engineering (Total Intake - 50)</b>	<b>Guided Missiles</b>	B.E./B. Tech. degree in Aerospace/ Aeronautical or AeSI/ Mechanical/ Chemical/ Electrical/ Electronics/ Electronics and Communication / Instrumentation from recognized university
		<b>Air Armaments (\$)</b>	Bachelor's Degree in Aeronautical/Mechanical Engineering of a recognized Institute/University.
		<b>UAVs</b>	Bachelor's Degree in Aeronautical/Mechanical Engineering of a recognized Institute/University.
2	<b>Mechanical Engineering (Total Intake - 75)</b>	<b>Marine</b>	B.E/B. Tech degree in Mechanical / Marine Engg of recognized Institute / University
		<b>Armament and Combat Vehicles (ACV)</b>	B.E/B. Tech degree in Mechanical / Production / Automobile Engg of recognized Institute / University
		<b>Robotics (*)</b>	B.E/B. Tech degree in Mechanical / Electronics / Electrical / Computer Science & Engg / Instrumentation Engg disciplines from recognized Institute / University
		<b>Design</b>	B.E/B. Tech degree in Mechanical / Production / Automobile Engg from recognized Institute/University
3	<b>Computer Science and Engineering (Total Intake - 25)</b>	<b>Cyber Security</b>	BE/B. Tech. in Computer Science/ Electronics/ Electrical/ Communication/Information Technology or M.Sc. in Computer Science.
		<b>Software Engineering &amp; Intelligent System</b>	BE/B. Tech. in Computer Science/ Electronics/ Electrical/ Communication/Information Technology or M.Sc. in Computer Science.
4	<b>Modeling and Simulation (Total Intake - 25)</b>	<b>Modeling and Simulation</b>	Master degree (M. Sc.) in Mathematics / Physics / Statistics / O.R. /Computer Science (Provided mathematics is one of the subject at the graduate level), Bachelor Degree in any branch of Engineering / Technology of recognised Institute / University. Proficiency in computer programming is essential.
5	<b>Sensor Technology / Laser and Electro-Optics (LEOC) (Total Intake - 25)</b>	<b>Sensor Technology</b>	Master degree in Physics / Applied Physics / Electronics / Electronic Science or a B. E. / B. Tech / B. Sc (Engineering) degree in Electronics / Instrumentation / Electronics and Communication Engg / Engineering Physics, Nanotechnology.
		<b>Laser and Electro-Optics (LEOC)</b>	Master degree in Physics/ Applied Physics / Electronics / Electronic Science or a B. E. / B. Tech/ B. Sc (Engineering) degree in Electronics / Electrical / Communications / Telecommunication / Electronics and Communication Engineering/ Computer Science / Engineering Physics./M. Sc in Computer Science with Physics and Mathematics at graduate level from a recognized University with a minimum of Second Class.

Sl. No.	Programme Title (M.Tech)	Specialisations	Eligibility (Minimum Qualification with 55% aggregate marks or 5.5 CGPA in the qualifying examination) with valid GATE Score
6	Electronics & Communication Engineering (Total Intake - 75)	Radar and Communication	B. E. / B. Tech degree in Electronics / Communication / Instrumentation Engineering from any recognized university or equivalent degree.
		Defence Electronics Systems (DES) (§)	B.E./B. Tech degree in Electronics/ Communication/ Instrumentation Engineering from any recognized university, or M Sc Degree in Electronics and Physics specialized in Electronics from any recognized university.
		Signal Processing & Communication	B. E. / B. Tech degree or equivalent in Electronics / Electrical / Communication / Telecommunication / Electronics & Instrumentation / E & TC Engineering / Computer Science & Engineering / Information Technology / Instrumentation Engineering or Equivalent.
		Wireless Networks & Applications	B. E. / B. Tech degree or equivalent in Electronics / Electrical / Communication / Telecommunication / Electronics & Instrumentation / E & TC Engineering / Computer Science & Engineering / Information Technology / Instrumentation Engineering.
		Navigation Systems (GNSS, GPS, GAGAN etc)	B. E. / B. Tech degree or equivalent in Electronics / Electrical / Communication / Telecommunication / Electronics & Instrumentation / E & TC Engineering / Computer Science & Engineering / Information Technology / Instrumentation Engineering or Equivalent.
7	Material Science and Chemical Technology (Total Intake - 75)	Material Science and Technology	B. E./ B. Tech / M. Sc in Mechanical / Electronics / Electricals / Metallurgy / Marine Engineering / Ceramic Engineering / Polymers / Navy / Chemical/ Chemical Engineering / Aerospace Engineering/ M. Sc. (Physics / Chemistry / Nanotechnology)/M. Sc Corrosion Science
		Chemical Science and Technology	BE / B. Tech in Chemical Engg or BE/ B. Tech (Polymer Science) or equivalent degree or M. Sc in any branch of Chemistry and allied disciplines
		Energetic Materials & Polymers	BE / B. Tech in Chemical Engg or BE/ B. Tech (Polymer Science) or equivalent degree or M. Sc in any branch of Chemistry and allied disciplines
8	Technology Management (#) (Total Intake - 25)	Technology Management (#)	B.E/B. Tech/M. Sc from a recognized university / Institution of India.

§ Applicable for MoD sponsored candidates only.

\* Robotics is a multidisciplinary specialisation. M Tech degree will be awarded as per the UG Degree of the student viz. M Tech in EE/ME/AE etc.

# Sponsored / Self financed candidates only

**NOTE** :- Total intake (sponsored & scholarship category students) in each program has been indicated above.

-----