

ADMISSION PROCEDURE FOR M. TECH PROGRAMME

Defence Institute of Advanced Technology – Deemed to be University (DIAT) is the premium Technological University of Dept. of Defence R&D / DRDO – Ministry of Defence – Govt. of India, engaged in imparting technical education, in niche areas at PG (M.Tech) & Ph. D levels over the last 60 years, in its various forms & capacities. The main focus of the institute is to be get evolved as an innovative Unique Teaching & Research University to develop indigenous contemporary defence related technologies. The University is spread over 496 acres in scenic beautiful location, overlooking Khadakwasla Lake, in Sahyadri hills. The University has been awarded various Education Excellence Award. The University has well equipped laboratories with latest equipments and simulation / analysis software. The M. Tech programmes are designed to include Course of Study, Seminars, Project/Thesis, Practice School & Industry visit through which a student may develop his / her concepts and intellectual skills. Above all, the students is encouraged to develop a capacity for free and objectives enquiry, courage and integrity, awareness and sensitivity to the needs and aspirations of society. The emphasis is on practical's & use of software. The education system is CBCS where teaching is done by well qualified faculty drawn from DIAT and serving / retired scientists & officers of DRDO, Services, ISRO, IIT's, various R&D and teaching institutes in India and abroad. DIAT has MoU's with various Industries in India, Universities & Establishments across the world. DIAT has an active Placement Cell.

The uniqueness of DIAT is that fresh students have an opportunity to interact with service officers who are doing their M. Tech & Share their in field experience with them. The students have an opportunity to visit DRDO laboratories & get opportunity to listen and interaction with scientist engaged in various disciplines carrying out state of art, research & development

DIAT offers the following M. Tech program for the 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	Aerospace Engineering (Total Intake - 50)	Guided Missiles	B.E./B. Tech. degree in Aerospace/ Aeronautical or AeSI/ Mechanical/ Chemical/ Electrical/ Electronics/ Electronics and Communication / Instrumentation from recognized university
		Air Armaments (\$)	Bachelor's Degree in Aeronautical/Mechanical Engineering of a recognized Institute/University.
		UAVs	Bachelor's Degree in Aeronautical/Mechanical Engineering of a recognized Institute/University.
2	Mechanical Engineering (Total Intake - 75)	Marine	B.E./B. Tech degree in Mechanical / Marine Engg of recognized Institute / University
		Armament and Combat Vehicles (ACV)	B.E./B. Tech degree in Mechanical / Production / Automobile Engg of recognized Institute / University

		Robotics (*)	B.E/B. Tech degree in Mechanical / Electronics / Electrical / Computer Science & Engg / Instrumentation Engg disciplines from recognized Institute / University
		Design	B.E/B. Tech degree in Mechanical / Production / Automobile Engg from recognized Institute/University
3	Computer Science and Engineering (Total Intake - 25)	Cyber Security	BE/B. Tech. in Computer Science/ Electronics/ Electrical/ Communication/Information Technology or M.Sc. in Computer Science.
		Software Engineering & Intelligent System	BE/B. Tech. in Computer Science/ Electronics/ Electrical/ Communication/Information Technology or M.Sc. in Computer Science.
4	Modeling and Simulation (Total Intake - 25)	Modeling and Simulation	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	Sensor Technology / Laser and Electro-Optics (LEOC) (Total Intake - 25)	Sensor Technology	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.
		Laser and Electro-Optics (LEOC)	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.
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.

A. ELIGIBILITY:

I. SCHOLARSHIP CATEGORY

a) Qualification:-

55% marks or 5.5 CGPA in the qualifying examination as indicated against the disciplines concerned and valid GATE Score. The qualification should have been obtained from a UGC recognized University / Deemed to be University / Institution in India. The candidates who are in the final semester of their degree are also eligible to apply; Mark sheet up to the last semester should be enclosed. Provisional certificate in such cases along with Mark sheet of the final semester are required to be submitted before commencement of program.

b) Age limit :-

- (i) Not more than 26 years as on July 1 of the Academic Year.
- (ii) Relaxations as per GOI rules apply to SC / ST / OBC / PH applicants.

#Note :- Candidates applying for M. Tech in Robotics will not eligible for scholarship under DBT Scheme of AICTE. No financial support will be available from DIAT also.

II. SPONSORSHIP CATEGORY

a) Qualification:-

55% marks or 5.5 CGPA in the qualifying examination as indicated against the disciplines concerned. The qualification should have been obtained from a UGC recognized University / Deemed to be University / Institution in India.

Note :- Sponsored candidates are exempted from qualifying GATE requirement and there is no age limit.

B. How to apply:

1. Admission Notice is generally published in the month of Feb- March every year, in the leading news-papers and DIAT website, for admission to various M Tech Programme for July session, every year).
2. Candidates have to apply online, as per the instruction mentioned in the admission notice. Application fee [presently- Rs.500/- (250/- for SC/ST, women, PWD, OBC candidates) per programme (specialization) is required to be paid through online or by Demand Draft drawn in favour of Vice Chancellor, DIAT, Pune, payable at Pune. The application has to be uploaded as per the instructions provided in the admission notice/website. A print out of the application acknowledgement generated by the system after upload of application has to be forwarded in a sealed envelope super scribed the name of M. Tech Program to the Deputy Registrar (Academics), Defence Institute of Advance Technology, Pune 411025 along with the DD drawn/proof of online payment and with the self certified copies of mark lists, certificates and other testimonials. These documents should reach DIAT latest by the prescribed date in the admission notice, to be published every year. Application will be processed only on receipt of the acknowledgement with DD. Also. **Candidates seeking admission to more than one program (specialization) need to apply separately.**

C. SELECTION PROCESS:

i. SCHOLARSHIP CATEGORY

Admission to the M. Tech programme may be made directly based on the performance at common all-India competitive test such as GATE etc or, based on GATE and Interview with due weight age (80% on GATE score and 20% on interview) with due approval of Vice Chancellor.

ii. MOD (Services & DRDO) SPONSORED CANDIDATE

Admission to the M Tech program will be granted in the July Semester of each year for MoD sponsored candidates through Research & Training (R&T) and Postgraduate Training (PGT) schemes for DRDO and Tri-service officers including Coast Guard respectively. These admissions shall be operated jointly by DIAT and RAC/DRDO (through DHRD/DRDO).

iii. **SPONSORED CANDIDATE FROM OTHER AGENCIES/ORGANIZATIONS**

- (a) A candidate who is sponsored by his/her employer and who meets the additional conditions specified below may be admitted through a separate selection committee appointed specifically for the purpose.

- (b) A sponsored candidate must be in service of the sponsoring organization. The sponsoring organization must specifically undertake to provide full salary to the candidate and to relieve him/her to pursue the programme for its full duration.

- (c) The sponsored candidates seeking admission to the M.Tech. programme will be selected based on their performance in a qualifying examination/ interview or both.
