



उन्नत प्रौद्योगिकी रक्षा संस्थान
(सम विश्वविद्यालय), गिरिनगर, पुणे – 411 025

**Defence Institute of Advanced Technology
(Deemed University), Girinagar, Pune – 411 025**

(रक्षा अनुसंधान तथा विकास संगठन से पूर्णवित्तिय पोषित स्वायत्त संस्थान, रक्षा मंत्रालय)
(An Autonomous Organisation fully funded by Department of Defence Research & Development, Ministry of Defence)

**APPLICATIONS ARE INVITED FOR ADMISSION TO Ph.D. AND M. Tech
PROGRAMMES OF DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY
FOR THE ACADEMIC YEAR 2010-2011**

1. **General**

Defence Institute of Advanced Technology (DIAT), Deemed University (DU), contributes significantly in the sphere of Human Resources Development for the Defence Forces by way of imparting education and training on Defence Technology to the officers of Armed Forces, Scientists of the DRDO, Technical Officers of the Ordnance Factory Board, Directorate of Quality Assurance, Public Sector Undertakings, general public and friendly foreign countries. The University conducts Ph. D., M. S. and M. Tech Programmes and offers a number of short term courses. DIAT is recognised campus recruitment centre of RAC for absorption of M. Tech students in DRDO under Talent Search Scheme.

At present the DIAT conducts 12 M. Tech. programmes in the areas of Defence Technologies. Ph.D. programme is offered in various areas of science and technology. A few seats are offered with scholarship to the general public having valid GATE score / UGC-CSIR NET qualification for applying to the eight M. Tech. programme, and for meritorious scholars for Ph.D. programme.

2. **Ph. D. Programme**

Ph.D. programme is offered in the following research areas / disciplines:-

S. No.	Department	Area of Research
a.	Applied Chemistry	Energetic Materials, Advanced Polymers & Composite Materials
b.	Computer Engineering / Mathematics	High Performance Computing, Soft Computing & Mobile Computing.
c.	Electronics Engineering / Computer Science	Signal Processing
d.	Mechanical / Physics	Composite Mechanics and Quantum Mechanical DFT Calculations
e.	Physics / Aerospace	Nanotechnology, Field emission Microscopy, Growth & Characterization of nonmaterials.
f.	Physics	Fiber Laser, Fiber optics Sensor and Nonlinear optics

3. M.Tech Programmes

Age limit for all M. Tech programmes is 26 years as on 01 Jul 2010.

Sr No	Name of the Programme	Department	Eligible Degree
a.	Aerospace Engineering	Aerospace Engineering	B.E./B.Tech. in Mechanical/Electronics/E&TC/Aero/Instrumentation/Chemical Engg
b.	Computer Science & Engineering	Computer Engineering	B.E./B.Tech in Computer science Electronics/Communication/IT or M. Sc. in Computer Science
c.	Electronics & Communication	Electronics	1 st class BE/B Tech in Engineering branches related to Electronics Engineering, 1 st class M. Sc (Electronics), or M. Sc. (Physics) with specialization in electronics science.
d.	Gas Turbine Technology	Mechanical Engineering	B.E./B.Tech. in Aeronautical/ Mechanical Engineering
e.	High Energy Materials	Applied Chemistry	M.Sc. (Any branch of chemistry) /B.E./B.Tech in Chemical /Polymer Engineering
f.	Laser & Electro Optics	Applied Physics	M.Sc. in Physics/ Applied Physics/Applied Optics/ Electronics OR B.E./B.Tech in Electronics / Electrical / Communication / Tele-communication / Electronics and Communication Engg/Computer Science / Computer Engg
g.	Mechanical (Weapons)	Armament Engineering	B.E./B.Tech. in Mech/Automobile/Met/Production Engineering
h.	Modelling & Simulation	Applied Mathematics	M. Sc in Maths/Statistics/OR /Computer Science passed with Mathematics at graduate level/ Bachelor's degree in Engg / Technology. Proficiency in Computer Programming is essential

4. MINIMUM QUALIFICATION:

(a) **Ph.D.:** 55% marks or equivalent CGPA in M.E./M. Tech/Equivalent for Ph.D. in Engineering; and Master of Science Equivalent with 55% marks or equivalent CGPA for Ph.D. in Science.

(b) **M. Tech:** 55% Marks or 5.5 CGPA in the qualifying examination and **valid GATE/UGC-CSIR NET exam score.**

(c) The candidates who are in the final semester of their degree are eligible to apply; Mark sheet up to the last semester should be enclosed.

(d) Provisional certificate in such cases along with Mark sheet of the final semester are required to be submitted before the commencement of programme.

5. SELECTION:

The admissions for Ph.D. will be based on performance in the entrance exam conducted by the department mentioned in para 1 of application form followed by interview. For M. Tech. it will be based on interview.

6. **STIPEND:**

Stipend is applicable to selected candidates as per the MHRD/AICTE/UGC guidelines. Candidates with Master's degree in Science & Engineering seeking admission to Ph.D. must have a valid GATE/UGC-CSIR NET score to become eligible for the stipend.

7. **BOARDING / LODGING :**

The selected candidates will be provided accommodation and Messing facilities on payment basis and it is mandatory that they stay in the Institute campus.

8. **HOW TO APPLY:**

Candidates can download the application form and the details from our website www.diat.ac.in. Application fee of Rs. 200/- (Rs. 100/- for SC/ST candidates) per programme is required to be paid by means of DD drawn in the favour of "Vice Chancellor, Defence Institute of Advanced Technology, PUNE – 25", payable at State Bank of India, Girinagar Branch (Code 02155), PUNE – 411 025. The candidates are requested to write their name and department (or name of sub-discipline in case of Ph.D. applicant), for which they are applying for on the reverse of the draft. Duly filled application form along with necessary enclosures should reach to the **Registrar, DIAT, Girinagar, PUNE-411025** by **30 Apr 2010**. Separate applications must be filled for different programme.

9. **ENCLOSURES**

- a. DD for Application Fee
- b. Proof of age (attested copy)
- c. Proof of educational qualifications, Degree Certificates & Mark Sheet (attested copy)
- d. SC/ST/PHC/OBC Certificates if applicable
- e. GATE/NET Score Card/Certificate
- f. Details of publication, if any
- g. Details of employment, if any
- h. Separate application, along with relevant registration fee, if applying for more than one programme
- i. Attested passport size photograph.

Applications which are incomplete and without enclosures will be rejected.

10. **RESERVATION :**

Govt. of India rules will be followed for SC/ST/Physically Handicapped/OBC candidates. For any queries contact Dy Registrar, DIAT at Tel. No. 24304025.

11. **IMPORTANT DATES:**

Last Date for accepting Application Form	: 30 Apr 2010
Tentative Date of Interview / Written Test	: 02 & 03 Jun 2010 (M. Tech) : 04 Jun 2010 (Ph. D.)
Tentative date of commencement of the programme	: Jul 2010 (2nd week)

VICE CHANCELLOR



ISO 9001: 2008 Certified

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(An Autonomous Organisation fully funded by
Department of Defence Research & Development, Ministry of Defence)

Affix attested
Passport Size
Photograph

For office use only:

Application Received on: _____ Application No.: _____

Application Form for admission to Ph. D. / M. Tech. Programme

(You need to submit separate application form, if you wish to be considered for more than one programme)

1. Admission is sought for: Ph.D./M.Tech. *

For M. Tech. Programme: Name of the Programme _____ (see Para 3 of Advt.)	For Ph.D.: Department _____ Research Area _____ (see Para 2 of Advt.)
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Application Fee: Rs. _____, DD No. _____ dated _____
drawn on _____

2. Name in Capital letters, as it appears in Qualifying examination certificate

Mr / Ms _____

3. Date of Birth _____

4. State, whether SC/ST/OBC/Physically Handicap _____

5. Full Postal Address (with PIN code)

Phone No.(with STD code) _____, Mobile _____

email ID: _____

* Strikeout whichever is not applicable

6. Details of Educational Qualifications (from HSC onwards)

Exam	University/Board	Major Subject(s)	Year	* Overall percentage
PU/ HSC				
B.E./B. Tech /M.Sc				
M.E./ M. Tech.				
Any other Higher degree				

** Note: If your University awards Grades instead of Marks, please attach a table giving conversion between grades to percentage marks. If final marks of M.Sc/B.E. /B.Tech are not available, please provide marks available till the last semester. If there is a time gap between two consecutive degrees, please explain the reason.*

7. Do you have Research/Professional experience, work experiences on scientific projects and/or paper publications? If yes, attach the relevant details.

8. Do you have valid GATE Score / UGC-CSIR NET Certificate? : Yes/No
*If yes, mention the GATE score /Year of qualifying UGC-CSIR NET
(strike whichever is not applicable) also attach a copy of the score card/certificate*

9. Have you been employed? : Yes/No
(If yes, furnish details of employer's name, post, duration and responsibilities of job on a separate sheet)

10. Declaration: I hereby certify that the information given above is correct. I am also aware that providing incorrect information in the application form can result in the cancellation of my admission at any stage.

Place: _____ Date: _____ Signature: _____

Check List: (Kindly tick mark, whatever you have enclosed)

1. Application Fee: DD No. _____, dated _____, Amount Rs _____
2. Proof of age (attested copy)
3. Proof of educational qualifications, Degree Certificates & Mark Sheet, conversion table : grades to % (attested copy)
4. SC/ST/PHC/OBC Certificates if applicable
5. GATE/NET Score Card/Certificate
6. Details of publication, if any
7. Details of employment, if any
8. Attested passport size photograph.
9. Separate application, along with relevant registration fee, if applying for more than one programme

Dear Candidate,

You are requested to fill the following questionnaire and submit along with your application to facilitate to reach and help the future Batch of Students:

1. How did you come to know about this advertisement?
 - (a) Through my friend
 - (b) Through Advertisement in Newspaper
(specify Name and Edition of Newspaper)
 - (c) Through DIAT website
 - (d) Others _____ (Please specify)

2. Do you feel you had sufficient time for applying, say from the date of publication of advertisement to date of submitting the application form.
(If no, Please mention the number of days which would be ideal.)

3. Was the advertisement and the brochure on the website unambiguous to identify the programme (If no, Please specify)?