



Defence Institute of Advanced Technology

(Deemed to be University Under Section 3 of UGC Act 1956), Girinagar, Pune

Ph.D. Programmes- July- 2017 Batch

Applications are invited for admission to Ph.D. Programmes, as per description below.

Introduction:

Defence Institute of Advanced Technology (DIAT) is Technological Institute of National repute for higher learning. The Institute imparts education and training in Advanced Technologies used for Tri-services, DRDO, DPSUs etc. DIAT found its roots in 1952, as a training institute has grown over the years into a premier teaching and research institute for DRDO and the Armed Forces.

The main focus of the institute is to evolve as an Innovative Unique Research University to develop indigenous contemporary defence related technologies and also to provide technological solutions to the Services. DIAT is committed to generate high quality and talented human resource in broad areas of Defence Technologies to cater the needs of DRDO, Armed Forces and other Defence establishments.

DIAT offers admission to PhD (full-time) in the frontier areas of Aerospace Engineering, Mechanical Engineering, Electronics Engineering, Computer Science & Engineering, Applied Physics, Applied Mathematics, Materials engineering and Applied Chemistry. Limited few Institute Fellowships are available.

Department-wise areas of Research are as under:

Sr. No	Department	Subject Area	Approx. No. of Vacancies* in each Dept (With Institutional Fellowship)#
1	Materials Engg	Powder Metallurgy, Corrosion & Welding, Metal Matrix Composites and Deformation behaviour of Materials.	01
2	Mechanical Engg	Composite Structures, Repairing Technology, FEA, Fracture Mechanics, Mechanical behaviour, Tribology.	02
3	Computer Science & Engg.	WSNs, Big Data Analytics, Cyber Physical Systems.	01
4	Electronics Engg	Signal Processing, RF/Microwave / Radar / Antenna / RF & Microwave propagation, Radar System Design, Simulation, Radar Signal Processing, Floating Point digital system design, Detection and Estimation, SAR image processing, Photonics Radar and Micro-Doppler effects.	03
5	Applied Physics	Computational Imaging & Sensing / Inverse Problems in imaging, Development of Single Molecule Techniques / Biophotonics	02
6	Applied Chemistry	Organic - Inorganic hybrid nanomaterial, Self-assembly, Mesoporous materials, organic synthesis, Polymer nanocomposites, Organic effect materials, catalysis, Macromolecules etc.	01
	Total Vacancies		10

* The number of vacancies is only indicative and DIAT reserves the right in this matter.

Students with CSIR, DST, UGC and any other Scholarship available to them are also eligible to apply for Ph. D admission.

Eligibility:

a) Qualification

- A candidate, seeking admission to the Ph.D. program, shall be required to have passed the qualifying examination securing at least 55% marks or equivalent CGPA/DGPA. A relaxation of 5 % of marks may be allowed for those belonging to SC/ST/OBC (non creamy-layer) / PWD - (Divyang) categories. The qualifying degrees are:-
 - a) Master of Engineering/Master of Technology (or equivalent) for Ph.D. in Engineering/Science.
 - b) Master in Science (M.Sc. or equivalent) for Ph.D. in Science
- A candidate who has passed the qualifying examination with the requisite percentage of marks as prescribed above and who fulfill the following requirement may be considered for admission to the Ph.D. program:-
 - a) Qualified in a national level test such as, CSIR/UGC NET (Fellowship), Graduate Aptitude Test for Engineering (GATE), Rajiv Gandhi National fellowship, subject wise and category wise GATE/NET (Fellowship) cut off will be decided by DIAT.

b) Age limit

Not above 28 years as on July 1, 2017.

Relaxations as per GOI rules apply to SC / ST / OBC / PH applicants.

Note:-

- The Institute shall implement the reservation policy in Ph.D. admission in accordance with relevant act of Parliament being in-force from the time.
- A physically Handicapped SC/ST/OBC candidate shall not get double benefit of being an SC/ST/OBC as also a PWD candidate.

Selection:

Admission to Ph.D. will be based on the performance in the entrance exam (written test) conducted by the department concerned followed by a personal interview.

Financial Assistance:

- a) The selected Ph.D. candidates against this admission notice, admitted as full-time Ph.D. students will be provided financial assistance as per Institute rules, in force from time to time. The Ph.D. students (who are provided Institute fellowship) will be required to assist in research and teaching activities for a maximum of 10 hours per week in addition to their own duties.
- b) In addition to the Ph.D. scholarship, such candidates would also be entitled for contingency grant (presently Rs. 15,000/- per year) in accordance with the decisions of the Institute.
- c) Candidates with CSIR, DST, UGC and any other Scholarship available to them are also eligible to apply for Ph.D admission.

Boarding / Lodging:

Accommodation and mess facilities are available in the POINTS Hostel on payment basis. However, due to very limited rooms in POINTS Hostel, it may or may not be possible to provide POINTS Hostel accommodation to all the students. The present monthly charge towards boarding and lodging is ₹ 7000/- (subject to revision). A security deposit of ₹ 20,000/- would need to be paid to Hostel Office.

How to Apply:

Candidates have to apply online through the website, <http://www.diat.ac.in> . Application fee of ₹.500/- (₹ 250/- for SC/ST candidates) per programme is required to be paid either 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 website, <http://www.diat.ac.in>. A print out of the application acknowledgement generated by the system after upload of application has to be forwarded in a sealed envelope, superscribed "Application for Admission to PhD Programme in the Department of _____" to the Joint Registrar (Academics), Defence Institute of Advanced Technology, Pune 411025 along with the DD and self certified copies of mark lists, certificates and other testimonials. These documents should reach DIAT latest by 29 Apr 2017. Application will be processed only on receipt of the acknowledgement with DD. Also. **Candidates seeking admission to more than one Department need to apply separately.**

General Informaton:

- Since the applications may be short listed, mere possessing of the prescribed qualifications would not entitle a person to be called for test/interview. The Institute may restrict the number of candidates to be called for test / interview to a reasonable limit, on the basis of qualifications / marks higher than that of the minimum prescribed in the advertisement.
- For short listing of candidates, the department screening committee may decide subject-wise and category-wise GATE/NET Cut off.
- Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor can it be held in reserve for any other admission process
- Canvassing in any form will be a disqualification. Postal delay shall not be entertained.
- No correspondence will be entertained in respect of advertisement, interview, selection etc. The list of Shortlisted candidate will be displayed on <http://www.diat.ac.in> website alongwith other information viz. date of Interview / Written Test / Result. The candidates are requested to check the DIAT (DU) Website <http://www.diat.ac.in> for related information from time to time.

Course Fee and Other Charges:

Selected candidates for the Ph.D programmes are required to pay Semester Fee @ ₹.25,000/- per semester (for Gen & OBC) and @ ₹ 15,000/- (for SC & ST) payable immediately on joining and a caution deposit (refundable at the end of the Programme less dues if any) of ₹ 10,000/-, commencing from July 2017.

Important Dates:

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| ➤ The online application process will start on | 28 March 2017 |
| ➤ Last Date for accepting online application form | 22 Apr 2017 |
| ➤ Last Date of receipt of Hard copy of application | 29 Apr 2017 |
| ➤ Tentative Date of Interview / Written Test | 3 rd / 4 th week of May 2017 |
| ➤ Tentative date of commencement of the programme | 1 st Week of July 2017 |
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