Defence Institute of Advanced Technology

(Deemed to be University under section 3 of UGC Act 1956),

Girinagar, Pune-411025

Ph.D. Programmes- January-2026 Batch

Category - MoD Sponsored /Self Sponsored (DRDO, Tri-Services), Industry Sponsored /Industry Self Sponsored, Other R&D Govt. Organizations.

Applications are invited for admission to Ph.D. Programmes for the Session Jan-2026 as per description below.

Details of Department / School-wise vacancies for admission to Ph.D. Programme Jan-2026.

Sr. No.	Department / School	Subject/Research Area	Vacancies
1	Metallurgical and Materials Engg.	Polymer Composite, Biotechnology / Microbiology / Biochemistry/ Nanocomposites/ Flexible Electrodes/ Textile Materials/ Biomaterials/ Bio nano technology / Bio nano polymer, High Entropy Alloys, High Temperature Materials, Coating/ Corrosion, Supercapacitor and battery type electrode materials, Piezoelectric materials, Armor materials, Coating materials, Composite materials, High Temperature coating and Ceramics, Additive manufacturing, Texture Thermomechanical Processing of Metallic Materials Electrical Steel, Additive Frictions stir Processing/Welding, Corrosion Behaviour in Metallic Materials, Polymer Nanocomposites for energy storage and water treatment, polyurethane foam for acoustic absorption and oil-water separation and carbon foams for energy storage, Polymer blend structure property relationship,	06
2	Computer Science & Engineering.	Block Chain Technology, Cryptography, Secure Software Engineering, Post Quantum Cryptography, Artificial Intelligence/ML/LLM/AR/VR, QML, ML for IoT, Cyber Security for AI, Cyber Security, AIML, DL Applications, Computer Vision, AI for Cyber Security, Deep Neural Networks, Generative AI, XAI, Responsible AI, AI for Cyber Security, Cyber Security, Formal Verification, NLP, Malware Analysis, NLP, Secure Programming, Computer N/W, HPC, Multicore Architecture, Hardware Security, Cloud Computing and IoT.	13
3	Applied Mathematics	Applied Mathematics, Convection in Porous Media, Computational Numerical Method's for Differential Equations (AI / ML, Finite Element Method (s)), Mathematical Modelling, Cryptography, Applied Maths, Fluid Mechanic with AI & ML, AI/ML/Computer Science, Electronics and Communication Engineering, CSE Robotics, Signal Processing, Machine Learning, Deep Learning, ML, DL, Fuzzy areas, Probability & Statistics.	07
4	Applied Chemistry, Energy and Environment.	Synthesis and Applications of Ionic Liquids, Membrane Process Green Solvents, Combustion of Hydrogen, Photocatalytic Hydrogen Generation, Biomass to Fuel, Fuel Cell Membranes, Adsorption of Solutes, Wastewater Treatment, Co2 sequestration, Heat transfer enhancement, Heat Exchangers, Refrigeration and Air conditioning, Solar thermal application, Photovoltaics, Desalination, IC Engine, CFD, Bio-fuels, Water to Energy, Hydrogen Fuel Cell, Energy Management, Phase Change Materials, CFD and Heat Transfer, Hydrogen Storage, Electric Vehicles, Artificial Intelligence and Optimization, Solar Energy, Gas recovery from hydrates, Environmental Impact, Sustainability and Climate Science.	03
5	Applied Physics	Photonics, Optics, Lasers, Terahertz.	01

6	Electronics Engg.	Antennas, Computational Electromagnetics, Energy Harvesting, Metamaterials, Radar, Radar Signal Processing, RF Photonics, RF/Microwave/Millimetre wave Passive and Active circuits, RFID, Microwave Imaging and Non-destructive Testing., EMI/EMC, Shielding material, Stealth Technology, UAV, Signal Processing, Robotics, UAV Surveillance, Underwater Acoustic, Intelligence, Embedded System, VLSI, FPGA, SoC, SDR, AI &ML, Electronic Warfare, Wireless Power Transfer, Localization.	05
7	Mechanical Engg.	Indentation, Deformation behaviour, Impact Mechanics, Surface Engineering, Tribology, Avionics, FEM, Vibration & PEGT, Broad area of Mechanical Engineering & its allied Branch, Composite material processing, Additive manufacturing, Micro Machining, Surface Engineering, CFD, Fluid Mechanics, Blast, Hardened Structures, Terramechanics, CFD, FSI, Shock tube Blast Valve, Heat Transfer, Composite structures, Fracture Mechanics, Functionally Graded Structures, Impact Mechanics, Heat transfer, Fluid Mechanics, Flow Control.	14
8	School of Defence Technology Management	Supply Chain Management, Quality Management, Operation Research, Industrial Engineering, Technology & Human Behaviour, Knowledge Management, Technology Management.	04

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

 # The candidates applying for Ph.D Programme will be given opportunity to opt for a Joint Supervision in Ph.D Programme, with the Homi Bhabha National Institute (HBNI), Birla Institute of Technology and Science (BITS), CSIR – Central Scientific Instruments Organizations (CSIR-CSIO) Chandigarh.

Eligibility for External Part Time Research Scholar:

- 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

  c) BE/B.Tech with 10 years of research/industrial experience for Ph.D. in Engineering / Science.

  d) For School of Defence Technology Management:
  i) ME/M.Tech/MBA/MS in relevant discipline. (Science/Engineering/Management)
  ii) BE/B.Tech with 10 years of research / Industrial experience

  e) A candidate who is sponsored as a part-time candidate by a government department / public sector undertaking / R & D, with at least five years of relevant experience, who shall work for his/her Ph.D. in his/her parent organization fulfilling the residency period requirement as per Rules & Regulations for the Award of the Degree of Doctor of Philosophy - 2016. The candidate is required to submit a NOC, sponsorship (if any) and work experience certificate from the parent organization. [Annexure I & J]

- Project Staff from DRDO Laboratories & DIAT [JRF/SRF/RA] working under sponsored projects may be allowed to register for PhD, subject to fulfilling eligibility criteria **AND / OR** qualified GATE/NET examination. After completion of project, if the student is qualified in GATE/NET or any other national exams etc. he/she may be eligible for DIAT fellowship as per DIAT rules.

Last Date of Application:

A duly filled-in application in the prescribed proforma may be forwarded to the Joint Registrar (Academics), DIAT (DU), Girinagar, Pune-411025 to reach on or before **14th Nov 2025.**

Selection:

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

Course Fee & Other Charges:

MoD Sponsored (DRDO & Service Officers) & MoD Self-Sponsored (DRDO & Service Officers) Candidate: Selected candidates for the Ph.D programmes are required to pay Semester Fee @ Rs.50,000/- per semester, Rs. 6000/- as Admission fee and Caution deposit of Rs. 20,000/- payable immediately at the time of joining,

For Industry Sponsored, Other R&D Govt. Organisations, DPSU's, Govt. Industry etc: Selected candidates for the Ph.D programmes are required to pay Semester Fee @ Rs.65,000/- per semester, Rs. 6000/- as Admission fee and Caution deposit of Rs. 20,000/- payable immediately at the time of joining,

Project Staff from DRDO Laboratories: Selected candidates for the Ph.D programmes are required to pay Semester Fee @ Rs. 37,000/- per semester (for Gen & OBC) and @ Rs. 22,000/- (for SC & ST), caution deposit of Rs. 20,000/- & Rs.6000/- as Admission fee payable immediately at the time of joining.
From 3rd year onwards @ Rs. 42,000/- per semester (for Gen & OBC) and @ Rs. 27,000/- (for SC & ST), Fees payable up to submission of thesis by candidate admitted to Ph.D. programme shall be as prescribed by the Institute from time to time.

Important Dates:

- **Last Date of receipt of Hard copy of application** :**14th Nov 2025**
- **Tentative Date of Written Test / Interview** :**12th Dec 2025**
- **Tentative date of commencement of the programme** :**1st week of Jan 2026**

0DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY

(Deemed to be University)

APPLICATION FORM FOR ADMISSION TO
Ph.D. PROGRAMME, JANUARY-2026

Name of Department / School for Ph.D Programme : _____

1. Name : _____ Photo

Date of Birth (DD/MM/YY) : _____ **Age** : ____

Address for Communication:	**Permanent Address:**
_____	_____
_____	_____
_____	_____
Pin code : _____	**Pin code** : _____
Mobile No : _____	**Mobile No** : _____
E-Mail : _____	**Phone No** : _____

2. Type of Registration: **DRDO Sponsored/Self Sponsored** ☐ **Industry Sponsored** ☐
R&D Govt. Org. ☐ **MoD Sponsored** ☐ **Self Sponsored (only for Service Officers)** ☐
Project Staff ☐

- **Willingness for Joint Supervision: Yes / No [ ]**

3. Details of University / Institution Studied (SSC, HSC and above)

	Degree	Discipline	University/ College	Year	Average Marks/CGPA	Class
(a)						
(b)						
(c)						
(d)						
(e)						

4. Additional Qualifying Examination [if any]

5. Professional Experience (Technology/ Research/ Industrial) if any :

Name of Organisation	Designation	Period		Nature of Work
		From	To	

6. Personal Information :

(a) Father's / Husband's Name : _____

(b) Father's / Husband's Occupation : _____

(c) Mother's Name : _____

(d) Place of Birth : _____

(e) Mother Tongue : _____

(f) Nationality : _____

(g) Martial Status : _____

(h) Gender : Male/ Female

(i) Whether OBC/ SC/ST : **Yes / No**
(If yes, enclose attested copy of certificate Issued)

(j) Whether Physically challenged: **Yes / No**
(If yes, furnish the certificate to this effect)

(k) Domicile

(l) Aadhaar No.

7. Proposal title of research work

(Please attach a small write up next exceeding one page)

8. DECLARATION

I hereby declare that I have carefully read the instruction and particulars supplied to me and that the entries made in the application form are correct to the best of my knowledge and belief. I understand that association (active or passive) with any unlawful organization is forbidden. If selected for admission, I promise to abide by the rules and discipline of the Institute.

I note that the decision of the Institute is final in regard to selection and assignment to a particular department and field of study. The Institute shall have the right to expel me from the Institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

Place : _____

Date : _____ Signature of Applicant

9. List of enclosure	
(a)	(f)
(b)	(g)
(c)	(h)
(d)	(i)
(e)	(j)

10. Recommendation of the Head of the Lab/Org/Commanding officer of Unit.:

Signature

11. Recommendation of DRDO HQ/Org. / HQrs

Signature of Competent Authority

ANNEXURE - I

FORM FOR OBTAINING NO OBJECTION CERTIFICATE (NOC) BY APPLICANTS UNDER

MoD-SPONSORED CATEGORY / MoD-SELF-SPONSORED CATEGORY/INDUSTRY SPONSORED/INDUSTY SELF-SPONSORED CATEGORY

(This should be typed on a letterhead of the Organization/ Institution)

To,

The Vice Chancellor

DIAT, Pune

Sub: No Objection Certificate of an Employee from the parent organisation when admitting to PhD Programme.

Dear Sir,

This is to certify that the our Organization/ Institution has no objection on the candidature of Mr./ Ms._____, who is working as _____to join the PhD programme in the Department of _____ at Defence Institute of Advanced Technology(DIAT), Deemed to be University(DU) Pune under MoD - SPONSORED CATEGORY / MoD – SELF SPONSORED CATEGORY if Mr./ Ms. _____ is admitted to the PhD programme in the Discipline of _____ at DIAT(DU), Pune.

We shall allow him/ her to undergo the programme of studies and also to fulfil the residential requirement for required course-work at DIAT (DU), Pune as per its rules and regulations. During the period of the academic programme the candidate will be permitted to carry out his / her research work at our laboratories / organization and will be given the required facilities.

Signature and Seal of the Head of the Lab / Estts

Date:

Place:

ANNEXURE - J

FORM FOR OBTAINING SPONSORSHIP LETTER FOR **MoD-SPONSORED CATEGORY / MoD-SELF-SPONSORED CATEGORY/INDUSTRY SPONSORED CATEGORY**

(This should be typed on letterhead of the sponsoring organization)

To,

The Vice Chancellor

DIAT, Pune

Sub: Sponsoring of an Employee for PhD Programme / admission.

Dear Sir,

We sponsor the candidature of Mr./ Ms. _____ Who is an employee with designation of _____ in our organization for doing PhD programme in the Discipline of _____ at DIAT as an EXTERNAL PART-TIME candidate under MoD Sponsored / MoD Self Sponsored / Self -Sponsored (Service Officers) CATEGORY/Industry Sponsored for the duration of _____.

We shall fully / partly relieve him/her of his/her duties in the organization for the duration of

(i) the required course work period (for Part-time candidates)
OR
(ii) Entire duration of the academic programme (for the full-time candidates).

Signature and Seal of the Head of the Lab / Estts

Date:

Place: