



# Defence Institute of Advanced Technology

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

Girinagar, Pune

Ph.D. Programmes- July- 2017 Batch

Category - MoD Sponsored (DRDO & Services)

Applications are invited for admission to Ph.D. Programmes for Session July - 2017, as per description below.

## Details of Department-wise vacancies for admission to PhD Programme July - 2017.

### PhD Programme at DIAT (DU) - July 2017

Sr. No.	Department	Subject/Research Area	Vacancies under MoD Sponsored
1	Aerospace Engineering	NA	NIL
2	Applied Chemistry	NA	NIL
3	Applied Mathematics	Ground water and jet flow, Applied Mathematics, Modelling and Simulation of Physiological flows, Both computational and theoretical aspects of finite element methods (FEMs), Domain Decomposition methods (DDMs) for Differential equations, Image Processing, Fluid Mechanics, Heat and Mass Transfer Analysis, Nano fluids.	04
4	Applied Physics	Advanced Image Processing techniques for imaging through adverse weather conditions, Semiconductor Lasers / Fiber lasers	02
5	Computer Science & Engg	WSNs, Big Data Analytics, Cyber Physical Systems, Secure Software Engineering / Trusted Computing, Information Security, Hyper Spectral Imaging, IOT, Data Mining, Machine learning, Digital Forensic.	06
6	Electronics Engg	NA	NIL
7	Materials Engg	Physical Metallurgy, Microstructure, Texture, Thermo Mechanical Processing, Powder Metallurgy, Corrosion & Welding, Metal Matrix Composites and Deformation behaviour of Materials.	03
8	Mechanical Engg	Mechanical behaviour, Tribology	01
<b>Total Vacancies</b>			<b>16</b>

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

### 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:-
  - Master of Engineering/Master of Technology (or equivalent) for Ph.D. in Engineering/Science.
  - Master in Science (M.Sc. or equivalent) for Ph.D. in Science

- c) 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 PhD 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 sponsorship and work experience certificate from the parent organization.

### **Application for Admission:**

Usually admission will be done in following two semesters of six months each in a year for the PhD program:

July Session	-	July to December
January Session	-	January to June (for sponsored only)

Candidates from DRDO/Defence Services may be admitted to PhD program at the beginning of any semester.

### **Last Date of Application:**

#### **For January Session:**

Duly filled-in application in the prescribed proforma may be forwarded to the Registrar, DIAT (DU), Pune so as to reach on or before 10 Nov 2016.

#### **For July Session:**

Duly filled-in application in the prescribed proforma may be forwarded to the Registrar, DIAT (DU), Pune so as to reach on or before 29<sup>th</sup> April 2017

### **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.

### **Course Fee & Other Charges:**

**MoD Sponsored (DRDO & Services) Students:** The Institute being an Autonomous Body, fully funded by DRDO, there is no fee for the candidates, sponsored by the Ministry of Defence (DRDO & Services).

**Self - Sponsored Service Students:** Selected candidates for the Ph.D programmes under Self-Sponsored Category are required to pay Semester Fee @ Rs.15,000/- per semester (for Gen & OBC) and @ Rs. 10,000/- (for SC & ST) payable immediately on joining and a caution deposit (refundable at the end of the Programme less dues if any) of Rs.10,000/-.

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