



# DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY

(Deemed to be University U/S 3 of UGC Act 1956)

Girinagar, Pune-411 025



ADVT. No.01-FP-2021

Date: 29<sup>th</sup> July 2021

## **APPLICATIONS ARE INVITED FROM INDIAN NATIONALS FOR THE FOLLOWING TEACHING POSITIONS**

- The Defence Institute of Advanced Technology (DIAT)**, a Deemed to be University u/s 3 of UGC Act, 1956 is a premier educational institution significantly contributing in the sphere of Human Resource Development for the Defence Forces by way of imparting education, research and training on Defence Technologies to the officers of Armed Forces, Scientists of the DRDO, Technical officers of the Ordnance Factory Board, Directorate of Quality Assurance, Defence Public Sector Undertakings, friendly foreign countries in addition to regular civilian students. The Institute is also active in carrying out result oriented research as required for defence and national security.
- The Institute is located in a picturesque environment on the banks of Khadakwasla Lake surrounded by Sahyadri hills. The nearest Airport (30 kms) is at Lohegaon, Pune. The DIAT Campus is well served by the Pune Municipal Transport buses, auto rickshaws and taxis.
- DIAT invites applications from eligible Indian nationals for the following faculty positions: -

Name of Post	Department/School	No of Vac. along with reservation status	Department specific areas of required specializations at M.Tech / Post-Graduate level
Professor (on contract)	School of Defence Technology	01 (UR)	Defence Production, Aeroengine, maintenance, Aerospace materials, Structures, Advanced testing, Mechanics, Engineering Characterisation, propulsion, controls, airworthiness certification and accident investigation.
Assistant Professor	School of Robotics	01 (PWD)	Operator interface, Mobility or locomotion, Manipulators & Effectors, Programming, Sensing & Perception, Visual Effect Techniques, Animation, Data Mining and Analysis, Robot Reliability, Robot programming, coding, AI and ML, simulation using Gazebo/Ignition, industrial robotic manipulators, Automated verification, Performance modelling and analysis of complex systems, Hybrid robotic systems, Aerial robotics
	Applied Mathematics	01 (OBC) 01 (UR)	Data Science and its applications / Data analysis and Visualisation, Scientific Computing/ Machine Learning / Medical Imaging / Deep Learning / Theoretical Computer Science / Natural Language Processing / Autonomous Navigation
	Applied Physics	01 (SC) 01 (UR)	Laser Technology, Free-space Optical Communication, Fibre Optics Communication, Quantum Optics, Applied Optics, Optical Networking, Optics, Integrated Optics, Si-Photonics, Optical/Laser Instrumentation, Laser Application, Tera Hertz (THZ) imaging Machine Learning Technology for Sensor Data Analytics/Control Systems / Embedded Systems for Sensors/Sensor Technology

Assistant Professor	Electronics Engineering	01 (ST)	VLSI Circuit Design/RF IC Design/ Analog Circuit Design/Device Modelling/ Photonics IC Design / RG Photonics / Semiconductor technology.
		01 (UR)	Digital Communication/ Mobile Communication / IoT Wireless networks/ Wireless sensors/ Optical communications/ Antenna/ Microwave/ RF Systems/ EMI-EMP-NEMP-EMC.
	School of Quantum Technology	01 (OBC) 01 (UR)	Quantum Optics, Development of Single/Entangled Photon Sources & Single Photon based Interferometric Experiments, Quantum Communications, Quantum Metrology, Cold-atom/ion-trap Experiments, Experimental Quantum Computing, Superconducting-based Quantum Computing.
	Metallurgical & Material Engineering	01 (UR)	Computational materials, Computational Metallurgy, statistic mechanics, thermodynamic/kinetic modelling, phase-field models for microstructure evolution, grain growth simulation, modelling of coherent precipitation and domain formation, particle coarsening, domain structure evolution, phase transformation in the presence of structural defects, and effect of stress on microstructure evolution.

4. **Minimum Qualifications for Appointment of Faculty positions will be as under :-**

S.No	Post	Qualifications
(a)	Professor (on Contract)	<p><b>Essential:</b></p> <p><b>Eligibility (A or B):</b></p> <p><b>A.</b></p> <p>(i) An eminent scholar having a Ph.D. degree in the concerned/allied/relevant discipline, and published work of high quality, actively engaged in research with evidence of published work with, a minimum of 10 research publications in the peer-reviewed or UGC-listed journals and a total research score of 120 as per the criteria given in Appendix II, Table 2 of UGC Regulations- 2018. The candidate must possess a Master's Degree with at least 55% marks (or an equivalent grade in a point-scale, wherever the grading system is followed) in the department specific area of specialization, <b>as per Para 3 above.</b></p> <p>(ii) A minimum of ten years of teaching experience in university/college as Assistant Professor/Associate Professor/Professor, and / or research experience at equivalent level at the University/National Level Institutions with evidence of having successfully guided doctoral candidate.</p> <p style="text-align: center;"><b>OR</b></p> <p><b>B.</b> An outstanding professional, having a Ph.D. degree in the relevant/allied/ applied disciplines, from any research institutions (not included in A above) / industry, who has made significant contribution to the knowledge in the concerned/allied/relevant discipline, supported by documentary evidence provided he/she has fifteen years' total experience.</p> <p>(iii) <u>Without prejudice to the above, the following conditions may be considered desirable:</u></p> <ol style="list-style-type: none"> <li>Teaching, research, industrial and / or professional experience in a reputed organization;</li> <li>Published work such as 05 research papers in international journals in the last five years, patents filed / obtained, books and or technical reports;</li> </ol>

		<p>3. Experience of guiding the project work / dissertation of PG / Research students or supervising R&amp;D Projects in industry.</p> <p>4. Demonstrated leadership in planning and organizing academic, research, industrial and or professional activities;</p> <p>5. Capacity to undertake/ lead sponsored R&amp;D, consultancy and related activities including product development.</p>
(b)	Assistant Professor	<p><b>Essential:</b></p> <p><b>A.</b> Ph.D degree in the relevant subject with Master's Degree and Bachelor's Degree with at least 55% marks (or an equivalent grade in a point-scale, wherever the grading system is followed in the department specific area of specialization, <b>as per Para 3 above</b>, from an Indian University, or an equivalent degree from an accredited foreign university.</p> <p style="text-align: center;"><b>OR</b></p> <p><b>B.</b> The Ph.D degree has been obtained from a foreign university/institution with a ranking among top 500 in the World University Ranking (at any time) by any one of the following: (i) Quacquarelli Symonds (QS) (ii) the Times Higher Education (THE) or (iii) the Academic Ranking of World Universities (ARWU) of the Shanghai Jiao Tong University (Shanghai).</p> <p><b>Note: The Academic score as specified in Appendix II (Table 3A) to UGC Regulations on "Minimum Qualifications for Appointment of Teachers and Other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education, 2018" for Universities, shall be considered for short-listing of the candidates for interview only, and the selections shall be based only on the performance in the interview.</b></p> <p><b>DESIRABLE.</b> Without prejudice to the above, the following conditions may be considered desirable:-</p> <p>(a) A good academic record, in the concerned/relevant discipline.</p> <p>(b) Teaching, research, industrial and / or professional experience in a reputed organization;</p> <p>(c) Published work viz., research papers, patents filed / obtained, books and or technical report;</p> <p>(d) Experience of guiding the project work / dissertation of PG / Research students or supervising R&amp;D Projects in industry".</p>

**Notes:**

- (i) A relaxation of 5% marks may be provided at the graduate and Masters level for the scheduled Castes/Scheduled Tribes/Differently-abled categories for the purpose of eligibility and for assessing good academic records.
- (ii) The period of time taken by candidates to acquire Ph.D degree shall NOT be considered as teaching / research experience to be claimed for appointment to the teaching positions.
- (iii) In respect of CGPA awarded to the candidates on a 10-Point Scale, the following Table of equivalence shall be followed for determining the percentage of marks obtained by them:

CGPA	Percentage of Marks
8.25	75
7.75	70
7.25	65
6.75	60
6.25	55

(iv) In respect of GPA awarded to the candidates on a 7-Point Scale, the following Table of equivalence shall be followed for determining the percentage of marks obtained by them:

Grade	Grade Point	Percentage Equivalent
`O' Outstanding	5.50-6.00	75-100
`A' Very Good	4.50-5.49	65-74
`B' Good	3.50-4.49	55-64
`C' Average	2.50-3.49	45-54
`D' Below Average	1.50-2.49	35-44
`E' Poor	0.50-1.49	25-34
`F' Fail	0 - 0.49	0 -24

5. **Terms of Engagement of Professor (on Contract).** Initially for a period of 01 Year, extendable up to 05 Years or up to the date of attaining 65 Years of age whichever is earlier; on the basis of yearly performance review. Incumbent will be placed in Academic Pay Level 14 with admissible allowances as per 7<sup>th</sup> CPC.

6. **Pay and Allowances for Assistant Professors:** Academic Pay Level-10 and admissible allowances as per 7<sup>th</sup> CPC.

7. **Application Fee :** Application fee of ₹500/- (Rupees Five Hundred only) is payable separately for each post which should be in the form of crossed DD drawn in favour of "**Vice Chancellor, D.I.A.T.(DU), PUNE**", payable at **State Bank of India, Girinagar Branch (Code 02155), PUNE-411025**, duly enclosed along with the application before **31/08/2021 (1700h)**. No fee for PWD/SC/ST/Women candidates of any community. No "fee exemption" is available to Gen/OBC/EWS male candidates and they are required to pay the full prescribed fee. As an alternate option, applicants are permitted to remit the application fee online and attach transaction slip alongwith the application. Account details for remittance of application fee are as under:-

Beneficiary Name : Defence Institute of Advanced Technology  
 Beneficiary Bank Name : State Bank of India, Branch-IAT Girinagar, Pune-25  
 Bank Type & Account No: Current Account;10735399254  
 Bank IFS Code : SBIN0002155; MICR Code : 411002021

8. **How to apply:-** Apply on specific application form downloaded from the 'Career' column of Institute's website, [www.diat.ac.in](http://www.diat.ac.in). Complete the application, affix recent passport size colour photograph and send along with proof of educational qualifications, indicating the year of obtaining the degree, proof of experience, list of publications (with printout of the best paper(s)), research scores details and supporting documents as per Appendix II to UGC Regulations on "Minimum Qualifications for appointment of Teachers & Other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education,2018" in a sealed envelope super-scribed "Application for the post of..... IN THE DEPARTMENT.....against 'Advt.01-FP-2021' to the **Deputy Registrar (Admin), Defence Institute of Advanced Technology (Deemed to be University), Girinagar, Pune (Maharashtra)-411025**.

**Note :** Applications on e-mail or by hand will not be accepted. Transmission will only be by Courier or Speed post.

9. **Important Dates:-**
- |   |            |
|---|------------|
| (i) Closing date of receipt of application: | 31/08/2021 |
| (ii) Age to be counted as on :              | 31/08/2021 |

10. **Age limit.**

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|-----------------------------|-------------------------------------|
| (i) Professor (on Contract) | - Preferable age limit is 62 years. |
| (ii) Assistant Professor    | - Preferable age limit is 40 years. |

11. **General Conditions/ Information: -**

- (a) The applicants are requested to go through all the instructions carefully and ensure that they fulfil all eligibility conditions. Their admission to all stages of the recruitment will be purely provisional and the final selection is subject to fulfilling the eligibility conditions. Hiding of information and providing false information will lead to cancellation of the candidature at any stage of recruitment.
- (b) Candidates, who wish to apply for more than one post/cadre, need to apply separately for each post/cadre in the prescribed form along with all the supporting documents numbered serially. If candidate applies for more posts (department/cadre) in one application, his/her form will be summarily rejected.
- (c) Candidates should carefully fill up all the required details in the application form including age, Educational qualifications, Specialisations as per Para 3 above, details of valid category/PWD certificates, Experience, the details of the payment etc., as no correspondence regarding change of details will be entertained. If any of their claims is found to be incorrect, it will lead to rejection of their candidature
- (d) Persons serving in Govt./Semi-Govt./PSUs/HEIs should send the completed application along with all relevant supporting documents, duly self-attested, THROUGH PROPER CHANNEL. However, such persons are advised to send an advance copy of their application to avoid procedural delay.
- (e) The Institute shall not be responsible under any circumstances for any sort of postal delay. Applications received after the due date is liable to be summarily rejected.
- (f) All qualifications obtained by the candidates should be from any recognized University/ Institution.
- (g) The candidates are advised/ required to visit the Institute website **www.diat.ac.in** regularly. The list of candidates short listed for further participation in the selection process such as presentation/interview etc. will be displayed on the above website. No correspondence whatsoever will be entertained from candidates regarding reason for not being called for interview/outcome of interview.
- (h) The Institute follows the reservation norms as per Govt. of India rules for SC, ST, OBC, EWS and PWDs. Central Govt. approved list of SC, ST and OBC categories is applicable at DIAT, Pune. The SC/ST/OBC-NCL/EWS are required to attach a copy of the Caste Certificate as applicable with the application in the format prescribed by the Govt. of India. OBC candidates under creamy-layer will not get the advantage of reservation under OBC category. **Women, PWD and EWS candidates** are encouraged to apply.
- (i) DIAT reserves the right to shortlist the candidates and also, not to fill up any or all the positions advertised in case of non-availability of suitable candidates. Also, Institute reserves the right to modify / defer or cancel the advertisement / recruitment at any stage of processing, without assigning any reasons.
- (j) The Institute reserves the right to assign/transfer the selected candidates to any department within the Institute and appointments will be offered accordingly.

- (k) All Original documents with one set of self-attested copies and four passport size recent photographs of the candidate will have to be produced at the time of interview for verification (if shortlisted).
- (l) Mere fulfilment of the above-mentioned qualifications/ experience etc., does not entitle a candidate to be called for interview. Where number of applications received in response to the advertisement is large, it may not be convenient or possible for the Institute to interview all the candidates. The Institute may restrict the number of candidates to be called for interview to a reasonable limit, on the basis of qualifications and experience higher than that of the minimum prescribed in the advertisement. Candidates should, therefore, furnish all the qualifications and experience possessed in the relevant field, over and above the minimum qualifications prescribed.
- (m) The candidate is responsible for correctness and authenticity of the information provided in the application. If it is found at later date that the information given in the application is incorrect/false, the candidature/appointment/service is liable to be cancelled/ terminated.
- (n) In case of any inadvertent mistake in the process of selection which is detected at any stage even after the issue of appointment letter, the Institute reserves the right to modify/cancel the appointment and withdraw any communication made to the candidates.
- (o) In case of any dispute, decision of the Vice Chancellor, DIAT Pune, shall be final. Any legal proceedings in respect of any matter of claim or dispute arising out of this advertisement can be instituted in Pune and courts/tribunals/forums at Pune only shall have sole and exclusive jurisdiction to try any such cause/disputes.
- (p) Application once made will not be allowed to be withdrawn and fee once paid will NOT be refunded on any count nor can it be held in reserve for any other recruitment or selection cycle/process.
- (q) Any form of canvassing, directly or indirectly will result in disqualification of the candidature.
- (r) **NO INTERIM INQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.** No information will be sent to those candidates who are not short listed for interview/not selected. Candidates are advised to check the DIAT Website [www.diat.ac.in](http://www.diat.ac.in) for related information from time to time.

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