ROLLING FACULTY ADVERTISEMENT NOTIFICATION
(Advt. No.: IITDH/FA/Rec/07/2024-25 dated 12-11-2024)

IIT dhArwAD is a premier Science and Technology Institute established as an Institute of National Importance in 2016. IIT dhArwAD presently has ten academic Departments namely,

1. Biosciences and Bioengineering (BSBE)
2. Chemical Engineering
3. Chemistry
4. Civil & Infrastructure Engineering (CIE)
5. Computer Science and Engineering (CSE)
6. Electrical, Electronics and Communication Engineering (EECE)
7. Humanities, Economics, Arts and Rural Technologies (HEART)
8. Mathematics
9. Mechanical, Materials and Aerospace Engineering (MMAE)
10. Physics

Academic activities have begun from the July 2016 session with B. Tech programs in three core branches namely Computer Science and Engineering, Electrical Engineering, and Mechanical Engineering. Subsequently, Ph.D. program was initiated in all the Departments and M.S. and M.Tech. programs were initiated in CSE, EECE, and MMAE. At present, the Institute offers 8 nos. of 4-year B. Tech programs in Computer Science and Engineering, Electrical & Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Engineering Physics, Civil and Infrastructure Engineering, Chemical and Biochemical Engineering, and Mathematics & Computing. Additionally, the Institute also offers an interdisciplinary 5-year BS-MS program specializing in Physics, Chemistry, Mathematics and Biology. A 2-year M.Sc. program may start in the upcoming academic year.

More than 95% of IIT dhArwAD is presently situated in our Permanent Campus [~ 470 acres in the area] located south of the National Highway (NH-4) connecting PuNe and BengaLUru. All the major facilities in dhArwAD are within 5 km radius from the campus. Phase 1A of the permanent campus is complete by now and we are operational from the permanent campus. Photos/videos of the Permanent Campus of the Institute can be viewed at the links provided below:
https://www.iitdh.ac.in/iit-dharwad#video-block

dhArwAD is connected with four airports. HubbaLLi Airport (HBX) [about 25 KM away] and BeLagAvi Airport (IXG) [about 65 km away] are the two nearest airports to IIT dhArwAD. These airports are well connected to multiple cities such as ahmedAbAd,

BengaLUru, Chennai, Delhi, HyderAbAd, Jaipur, JOdhpur and Mumbai. GoA (GOI) and North GoA (GOX) airports are about 165 km and 180 km respectively from IIT dhArwAD. HubbaLLi is also a major railway junction and HubbaLLi- dhArwAD are well connected by road and rail.

IIT dhArwAD invites applications from well qualified and suitably experienced **Indian nationals** [including Persons of Indian Origin (PIOs) and Overseas Citizens of India (OCIs)] and **foreign nationals*** for faculty position(s) as listed below:

S. No.	Faculty Position	Department
1	Assistant Professor	All departments, viz., • Biosciences and Bioengineering (BSBE)
2	Associate Professor	• Chemical Engineering • Chemistry • Civil & Infrastructure Engineering (CIE)
3	Professor	• Computer Science and Engineering (CSE) • Electrical, Electronics and Communication Engineering (EECE) • Humanities, Economics, Arts and Rural Technologies (HEART) • Mathematics • Mechanical, Materials and Aerospace Engineering (MMAE) • Physics

*Foreign national here means a person who does not have either an Indian passport, or a PIO / OCI Card.

Additionally, we have two Centres of Excellence (CoE) in Affordable & Clean Energy (ACE) and Indian Knowledge Systems (IKS).

APPLICANTS SPECIALIZING / DIVERSIFYING IN AREAS ALIGNED WITH THE AFOREMENTIONED TWO CoEs ARE ESPECIALLY ENCOURAGED TO APPLY IN ANY OF THE RELEVANT DEPARTMENT[S].

Areas of Specialization for academic departments:

- **Biosciences and Bioengineering**
  - Cell Biology, Biochemistry and Metabolomics, Bioinformatics, Structural Biology.
  - Preferably in the area of disease biology

- **Chemical Engineering**
  - All areas of chemical engineering.

- **Chemistry**
  - All relevant research areas of chemistry including organic, inorganic, physical, and biological chemistry.

- **Civil & Infrastructure Engineering**
  - Structural Engineering
  - Environmental Engineering
  - Water Resources Engineering
  - Transportation Engineering
  - Geotechnical Engineering

- **Computer Science and Engineering**
  - All areas in Computer Science and Engineering including AI and Machine Learning.

- **Electrical, Electronics and Communication Engineering**
  - Analog, digital, and Mixed signal VLSI, Semiconductors, Control and Automation, Communication and signal processing, Power Systems, Power Electronics, Machines, and Drives. Exceptional candidates from other areas of Electrical Engineering will also be considered.

- **Humanities, Economics, Arts and Rural Technologies**
  - All areas in all disciplines.

- **Mathematics**
  - Probability, Statistics, & Mathematical Finance
  - Analysis & Partial Differential Equations
  - Geometry & Topology
  - Combinatorics & Graph Theory
  - Algebra & Number Theory
  - Numerical Analysis

- **Mechanical, Materials and Aerospace Engineering**
  - AI/ML and Computer Vision in Mechanical Systems,
  - Biomechanical Engineering
  - Computational and Experimental Mechanics
  - Computational Fluid Dynamics and Heat Transfer, High Enthalpy Flows
  - Industrial Engineering and Automation, Manufacturing
  - Kinematics, Dynamics and Control, Machine Design, Surface/Tribology Engineering, Semiconductor Materials
  - Micro/Nano Engineered Systems, Microfluidics, Microgravity
  - Robotics, Geometric Modeling, Autonomous Navigation

- **Physics**
  - Computational and Statistical Physics
  - Condensed Matter Physics and Material Sciences
  - Nuclear Physics, High-energy physics, and String theory
  - Astrophysics and Cosmology
  - Atomic Molecular and Optical Physics, Photonics, Quantum Information, and
  - Nonlinear Dynamics

The areas mentioned are only indicative and not exhaustive. The institute is open to receiving applications from candidates with specialization in other related areas.

Reservation: Without any compromise on qualification, experience and competence, reservation as per Government of India (GoI) rules will apply. Necessary certificates must be enclosed with the application form. The GoI policy on the reservation of faculty positions also includes the policy on differently-abled persons.

EDUCATIONAL QUALIFICATIONS:

For faculty positions at all levels, PhD with first class or equivalent [in terms of grades, etc.] in the appropriate specialization at the preceding degree and a good academic record throughout.

DESCRIPTION OF POSTS AND REQUIRED EXPERIENCE [Required on the date of submission of an application]:

1. **ASSISTANT PROFESSOR GRADE I** [Desirable Upper Age Limit for General/EWS candidates is 35 years]

   Basic Pay: ₹ 1,01,500/- [min.] {Academic Pay Level 12 of the Pay matrix of 7th Pay Commission}. All other allowances as admissible to the Institute employees apply. At least 3 years of industrial / research/ teaching experience - excluding the experience gained while pursuing Ph.D.

   Candidates with less than 3 years of post-Ph.D. experience may be considered for a contractual position of Assistant Professor Grade II.

2. **ASSOCIATE PROFESSOR** [Desirable Upper Age Limit for General/EWS candidates is 45 years]

   Basic Pay: ₹ 1,39,600/- [min.] {Academic Pay Level 13A2 of the Pay Matrix of 7th Pay Commission}. All other allowances as admissible to the Institute employees apply.

A minimum of 6 years post-Ph. D teaching/research/professional experience of which 3 years should be at the cadre of Assistant Professor Grade I in IITs, IISc, IISERs, IIMs or at an equivalent cadre in any other Indian/Foreign Universities/Institutions/Industries of comparable level. It is desirable that the candidate have demonstrated research ability with an excellent record of publication in reputed journals and refereed conferences, patents, etc., and supervision of M.Tech./M.S./M.Sc./Ph.D. student[s]. It is desirable that the candidate has carried out laboratory development/course development/technology and has generated sufficient funding for research. The criteria of supervision of Ph.D. students may be relaxed for candidates currently employed in industry.

3. **PROFESSOR** [Desirable Upper Age Limit for General/EWS candidates is 55 years]

Basic Pay: ₹ 1,59,100/- [min.] {Academic Pay Level 14A of the Pay Matrix of 7th Pay Commission}. All other allowances as admissible to the Institute employees apply.

A minimum of 10 years post-Ph.D. teaching/research/professional experience of which at least 4 years should be at the cadre of Associate Professor in IITs, IISc (Indian Institute of Science), IISERs (Indian Institutes of Science Education & Research), IIMs (Indian Institutes of Management) or at an equivalent cadre in any other Indian/Foreign Institutions/Universities of comparable level. It is desirable that the candidate have demonstrated research ability with an excellent record of publication in reputed journals and refereed conferences, patents, etc., and supervision of M.Tech./M.S./M.Sc./Ph.D. student[s]. It is desirable that the candidate has carried out laboratory development/course development/technology and has generated sufficient funding for research. It is also desirable that the candidate has external recognition in the area of specialization. The criteria of supervision of Ph.D. students may be relaxed for candidates currently employed in industry.

As per the GoI rules age relaxation is applicable to the candidates belonging to certain categories.

Please visit IIT dhArwAD website (https://www.iitdh.ac.in) for more information. The link for the advertisement and online application form can be accessed at https://www.iitdh.ac.in/faculty-recruitment. No hard copies of the application will be accepted.

GUIDELINES FOR COMPLETING THE APPLICATION FORM:

I. A separate application form for each post needs to be submitted online, if applying for more than one post. Also, one application form for each department, if applying for more than one department. Enclosures are to be uploaded along with the application form, as separate documents (in pdf only).

II.   Upload a detailed Academic Profile including the following information:

- Academic qualification and experience.

- A Teaching Plan needs to be shared, indicating the core courses from the IIT dhArwAD curriculum, which can be viewed at **https://www.iitdh.ac.in/programs** that the candidate can teach. Also, an expanded statement is required for his/her teaching objectives and long-term interests in coursework development.

- A Research plan highlighting current and past research interests and achievements, along with future research plans short and long term is needed. As part of the research plan statement, candidates are expected to submit copies of 3 best papers authored, highlighting (a) why the work is important (context) and (b) if joint work is done with others, what is his/ her contribution.

- Details of publications/conference papers presented, listing chronologically the Names of authors, the title of the paper, name of the journal/ conference, volume/major proceedings, pages (from – to), year, etc.

- Major awards, Patents, Important Prizes etc., need to be included indicating: Nature, name of prize/award, awarded by, awarded for, year of award. Name of the patent, year and details about the patent, etc. as well as the candidate's specific contribution vis-a-vis the co-inventors. Research guidance [Ph.D./Post Graduate student, only those with formal guide status] to be listed: Research degree, name of the Ph.D. scholar, the title of the thesis, year of award etc. If a candidate is not the sole Supervisor (Guide), all co-guides are to be listed. Ph.D./Post Graduate student guidance in progress may be indicated separately.

III. Role in and details of externally funded projects carried out need to be listed along with:

- Title of the project, duration, sponsor, value, co-investigators [if any],–specific contributions, etc. Candidates should highlight specific contributions [if any], to the industry/ pointing out the challenges overcome, the value of the work to the industry etc.

IV.   Other Activities Like:

- Textbooks and Monographs written with details,

- Continuing education programs/conferences organized [as an organizer or co-organizer] etc.

V.   Any other relevant but brief information on academic standing.

VI.   Scanned copies of educational qualifications and experience and any other relevant but brief information on academic standings.

VII. Candidates who have received interview call letters must arrange for at least three letters of reference [out of which, one should be preferably from the Ph. D. supervisor] to be sent directly to: The Dean [Faculty Welfare], IIT dhArwAD by email [dean.fw@iitdh.ac.in]

ADDITIONAL INFORMATION:

1. Candidates should have an excellent academic record, good communication skills, a commitment to high-quality under-graduate and post-graduate education and a demonstrated ability to carry out original and creative research.

2. Candidates not eligible for direct recruitment as Assistant Professor Grade I, such as those with less experience may be considered for a contractual position of Assistant Professor Grade II. However, it should be noted that Assistant Professor Grade II is not a regular faculty position. The Contractual period in Assistant Professor Grade II may get converted to Assistant Professor Grade I, based on the performance following the due process.

3. In the case of Foreign Nationals who are "Persons of Indian Origin" (PIO) or Overseas Citizens of India (OCI) [if selected], clearance will be sought by us from Govt. of India before he/ she can be offered the position join the Institute.

4. In the case of Foreign Nationals, if selected, an appointment will be on a contract basis for up to 5 years subject to obtaining clearance from the relevant ministry of Govt. of India (GoI) before he/she can be offered the position.

5. Mere fulfillment of the qualifications and experience requirement laid down does not entitle a candidate to be called for a seminar/interview.

6. The institute reserves the right to process the applications from the areas that are of current interest to the growth of the department and institute.

7. Persons employed in Government/Semi-Government Organizations/ Educational Institutions **MUST** apply either through proper channels or shall provide a **No Objection Certificate (NOC)** along with their application. If neither is possible, they must submit NOC at the time of the Interview [if called for an interview], without which their interview will not be conducted and they will not be entitled for travel expense reimbursement. NOC is not needed for other candidates.

8. Candidates should submit their valid SC/ST/OBC-NCL certificate issued by the competent authority in the prescribed format along with the application form in support of their claim.

9. The candidates submitting applications under the EWS category should upload a valid EWS Certificate issued in the current financial year.

10. OBC-NCL certificate should not be more than one year old from the date of application. However, if the certificate is not readily available, you may upload the available old certificate and will have to produce a fresh valid certificate at the time of the interview.

11. IIT Dharwad encourages participation of women in teaching and research. Hence women applicants are encouraged to apply for these positions.

12. Degrees obtained by the candidate should have been awarded by a recognized University/ Institute.

13. In case of any inadvertent mistake in the process of selection, which may be detected at any stage even after the issue of the appointment letter, the Institute reserves the right to modify, withdraw or cancel any communication made with the candidates.

14. Misrepresentation or falsification of the facts/information, and detected at any stage of the selection process or instances of misconduct/misbehaviour at any stage during the selection process shall result in the cancellation of candidature without any notice and no correspondence in this regard shall be entertained. In case of any dispute/ambiguity that may occur in the process of selection, the decision of the Institute shall remain final.

15. Canvassing in any form or bringing in any influence political or otherwise, will be a disqualification for the post.

16. Candidates, if called for an interview in physical mode, will be reimbursed airfare within India by Economy class from the place of their residence and back by the shortest route with least available fare. Air tickets should be booked through any of the following agencies only.

     M/s. Balmer Lawrie & Co. Ltd.
     M/s. Ashoka Travels and Tours.
     M/s. Indian Railways Catering and Tourism Corporation (IRCTC) Ltd.

17. The Institute reserves the right to call for interview only those candidates shortlisted on the basis of their qualifications, experience, research, publication records, and requirements of individual academic units.

18. The Institute reserves the right to recruit or cancel the partial/entire recruitment process for any or all the posts at any time without assigning any reasons whatsoever.

19. All matters pertaining to this process are exclusively subject to dhArwAD [KarnATaka] jurisdiction only.

Sd/-
Officiating Registrar

Date: 12th November 2024