

FACULTY OPENING NOTIFICATION

(Advt. No.: IITDH/FA/Rec/06/2023-24 dated 07-03-2024)

IIT dhArwAD is a premier Science and Technology Institute established as an Institute of national importance in 2016. IIT dhArwAD presently has ten 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 July 2016 session with B. Tech programs in three core branches namely Computer Science and Engineering, Electrical Engineering, and Mechanical Engineering.

In 2018, our Ph.D. program was initiated in all the Departments. M. Tech. (Mechanical Engineering) and Executive M. Tech. programmes in Data Science and Artificial Intelligence (DSAI) and Electric Vehicle Technology (EVT) were started in 2022. At present, the Institute offers 7 nos. of 4-year B. Tech programs in Computer Science and Engineering, Electrical Engineering, Mechanical Engineering, Engineering Physics, Civil and Infrastructure Engineering, Chemical and Biochemical Engineering and Mathematics & Computing. Additionally, the Institute also offers an inter-disciplinary BS-MS program specializing in Physics, Chemistry, Mathematics and Biology .

Nearly 10% of IIT dhArwAD is presently situated in the Water and Land Management Institute (WALMI) Campus [~135 acres in area] located on the National Highway (NH-4) connecting PuNe and BengaLUru. All the major facilities in dhArwAD are within 20 km radius from the campus. WALMI has generously provided several buildings for the student hostels, class rooms, laboratories, etc. for IIT dhArwAD. About 470 acres of land has been allotted by the KarnATaka Government for the permanent campus of IIT dhArwAD. Phase 1A of the permanent campus is almost complete by now and we started a few courses at permanent campus from December 2022. Photos/videos of the present campus and 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 three 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, tirupati, Jaipur, JOdhpur and Mumbai. GoA and North GoA 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 **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(s)	Department
1	Assistant Professor	All departments, viz.,
2	Associate Professor	<ul style="list-style-type: none"> • Biosciences and Bioengineering • Chemical Engineering • Chemistry • Civil & Infrastructure Engineering
3	Professor	<ul style="list-style-type: none"> • Computer Science and Engineering • Electrical, Electronics and Communication Engineering • Humanities, Economics, Arts and Rural Technologies • Mathematics • Mechanical, Materials and Aerospace Engineering • Physics

Areas of Specialization:

- **Biosciences and Bioengineering**
 Cell Biology, Biochemistry and Metabolomics, Bioinformatics, Structural Biology.
- **Chemical Engineering**
 - Advance Materials; Nano/Bio-process engineering; Process Modeling/ Artificial Intelligence in Chemical Engineering.
- **Chemistry**
 - Theoretical/computational inorganic chemistry.
- **Civil & Infrastructure Engineering**
 - Environmental Engineering and Water Resources Engineering
- **Computer Science and Engineering**
 - Programming languages and compiler design,
 - Cyber Security and Cryptography

- Distributed Systems and Cloud Computing
- Software Architectures
- Explainable AI and NLP.
- **Electrical, Electronics and Communication Engineering**
In all areas of Electrical Engineering including Electronics and Circuits, Control and Automation, Communication and signal processing, Computer Engineering, Power Systems, Power Electronics, Machines and Drives.
- **Humanities, Economics, Arts and Rural Technologies**
 - All Areas in All Disciplines.
- **Mathematics**
 - Probability & Statistics
 - Financial Mathematics
 - Geometry and Topology
 - Analysis/Number Theory
 - Numerical Analysis & Scientific Computing
- **Mechanical, Materials and Aerospace Engineering**
 - AI/ML, Robotics, Computer vision and autonomous navigation,
 - Micro/Nano Engineered Systems, Microfluidics, Microgravity
 - Industrial Engineering and automation, Manufacturing
 - Dynamics and Control, Machine Design
 - Surface/Tribology Engineering, Semiconductor materials
- **Physics**
 - Computational and Statistical Physics
 - Condensed Matter Physics
 - Nuclear Physics, High-energy physics, and String theory
 - Astrophysics and Cosmology
 - Theoretical Atomic Molecular and Optical Physics, Quantum Information, and Nonlinear Dynamics

THE AREAS MENTIONED ARE ONLY INDICATIVE AND NOT EXHAUSTIVE. THE INSTITUTE IS OPEN TO RECEIVING APPLICATIONS FROM OUTSTANDING CANDIDATES WITH SPECIALIZATION IN THESE AND OTHER RELATED AREAS.

LAST DATE FOR APPLICATION: 1700 HRS (INDIAN STANDARD TIME) ON 30th APRIL, 2024.

Foreign national here means a person who does not have either an Indian passport, or a PIO / OCI Card. Foreign nationals can be offered contractual appointment for up to five years' subject to obtaining necessary permissions from the competent authority.

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 reservation of faculty positions also includes 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 good academic record throughout.

EXPERIENCE [Required on the date of submission of application]:

1. PROFESSOR

A minimum of 10 years post-Ph.D. teaching/research/professional experience of which at least 4 years should be at the level of Associate Professor in IITs, IISc, IISERs, IIMs or at an equivalent level in any other Indian/Foreign Institutions/Universities of comparable standards. The candidate should have demonstrated leadership in research in a specific area, with an excellent record of publications in reputed journals and conferences and should have graduated M.Tech./M.S./M.Sc./Ph.D. student (s). It is desirable that the candidate has carried out laboratory development/course development/technology development/innovative work leading to patents/significant publications 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 who have joined from industry.

2. ASSOCIATE PROFESSOR

A minimum of 6 years post-Ph. D teaching/research/professional experience of which 3 years should be at the level of Assistant Professor Grade I in IITs, IISc, IISERs, IIMs or at an equivalent level in any other Indian/Foreign Universities/Institutions/Industries of comparable level. The candidate should have demonstrated research ability with an excellent record of publication in reputed journals and conferences 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 development/innovative work leading to patents/significant publications and has generated sufficient funding for research. The criteria of supervision of Ph.D. students may be relaxed for candidates who have joined from industry.

3. ASSISTANT PROFESSOR GRADE I

At least 3 years of industrial / research/ teaching experience - excluding, the experience gained while pursuing Ph.D.

Candidates who are interested in hands-on engineering, hardware and/or software system design & development as well as application(s) of traditional Indian Knowledge Systems (IKS) in the modern context of humanities/science/technology are particularly encouraged to apply.

4. ASSISTANT PROFESSOR GRADE II

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.

PAY LEVEL:

1. PROFESSOR
Basic Pay: □ 1,59,100/- [min.] {Academic Pay Level 14A of the Pay Matrix of 7th Pay Commission}
2. ASSOCIATE PROFESSOR
Basic Pay: □ 1,39,600/- [min.] {Academic Pay Level 13A2 of the Pay Matrix of 7th Pay Commission}
3. ASSISTANT PROFESSOR GRADE - I
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.

AGE LIMIT FOR DIFFERENT POSTS

Age will be reckoned on the LAST date of application SUBMISSION.

- a) For the post of Professor, the candidates should be preferably below 55 years of age.
- b) For the post of Associate Professor, the candidates should be preferably below 45 years of age.
- c) For the post of Assistant Professor [Grade-I], the candidates should be preferably below 35 years.

Please visit IIT dhArwAD website (<http://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-1>. No hard copies of the application will be accepted.

GUIDELINES/INSTRUCTIONS FOR COMPLETING THE APPLICATION FORM:

- I. One application form for each post to be submitted online, if applying for more than one. 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 (pdf only).
- II. Upload a detailed Academic Profile including the following information:
 - Academic qualification and experience.
 - A Teaching Plan, indicating core courses from the IIT dhArwAD curriculum. It can be viewed at <https://www.iitdh.ac.in/programs> that the candidate can teach and also an expanded statement of his/her objectives and long-term interests in coursework development.
 - A Research plan highlighting current and past research interests and achievements as also future plans in the short and long terms. As part of the research plan statement, candidates are expected to submit copies of 3 best papers authored in the last 5 years, highlighting (a) why the work is important (context) and (b) if joint work with others, what is his/ her contribution.
 - Details of publications / conference papers presented, listing chronologically Names of authors, title of the paper, name of the journal/ conference, volume/ proceedings, pages (from - to), year, etc.
 - Awards, Patents, Prizes etc., 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./ M.S./ M. Tech., only those with formal guide status) to be listed: Research degree, name of the scholar, title of thesis, year of award etc. If candidate is not the sole Supervisor (Guide), all co-guides to be listed. PG/Ph.D student guidance in progress may be indicated separately.
- III. Role in and details of externally funded projects carried out to be listed:
 - Title of the project, duration, sponsor, value, co-investigators, if any, role of the candidate and specific contributions, etc. Candidates should highlight specific contributions, if any, to industry/ pointing out the challenges overcome, the value of the work to the industry etc.
- IV. Other Activities Like:
 - Text books 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 qualification and experience and any other relevant but brief information on academic standing.
- VII. Candidates who have received interview call letters must arrange for at least three letters of reference (out of which, one should be from the Ph. D. supervisor) to be sent directly to:
 - The Dean (Faculty Welfare), IIT dhArwAD by email [dean.fw@iitdh.ac.in] for Assistant and Associate Professor candidates.
 - The Director, IIT dhArwAD by email [director@iitdh.ac.in] for Professor candidates.

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 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 stands terminated at the end of tenure unless it is converted to Assistant Professor Grade I, following due process.
3. In the case of Foreign Nationals who are "Persons of Indian Origin" (PIO) or Overseas Citizens of India (OCI), if selected, permission will be sought from Govt. of India before he/ she can join the Institute.
4. In the case of other Foreign Nationals, if selected, appointment will be on a contract basis for up to 5 years' subject to permission from the Govt. of India before he/she can join the Institute.
5. Political and security clearances from the Ministries of External Affairs and Home Affairs of Government of India (GOI) are necessary in every case for individuals with foreign passports.
6. Mere fulfilment of the qualifications and experience requirement laid down does not entitle a candidate to be called for seminar / interview.
7. 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.
8. The Institute encourages interaction of the faculty with industry, other research and professional institutions.
9. Candidates called for interview process will be reimbursed domestic airfare by Economy class from the place of their residence within India and back by the shortest route subject to booking of the tickets as notified by GoI.

10. Persons employed in Government/ Semi-Government Organizations or Educational Institutions, **MUST** apply either through proper channel or shall provide a **No Objection Certificate (NOC)** along with their application. If neither is possible, they must submit NOC at the time of Interview (if called for 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 applicants.
11. In case of any inadvertent mistake in the process of selection, which may be detected at any stage even after issue of the appointment letter, the Institute reserves the right to modify, withdraw or cancel any communication made with the Applicants.
12. Misrepresentation or falsification of the facts/information, and detected at any stage of the selection process or instances of misconduct/misbehavior at any stage during selection process shall result in 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.
13. 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.
14. All matters pertaining to this process are exclusively subject to dhArwAD [KarnATaka] jurisdiction only.

Date: 7th March 2024

Sd/-
Officiating Registrar