



**Indian Institute of Information Technology Design and Manufacturing,
Kancheepuram, Chennai – 600127, Tamil Nadu, India
(An Institute of National Importance fully funded by Govt. of India)**

No. 6-5(15)/2017-Estt.

Dated: 01st April, 2017

FACULTY RECRUITMENT - ASSISTANT PROFESSOR

IIITDM Kancheepuram invites application from individuals having **Doctoral degree** from reputed Institutions from abroad and India like IITs, IISc, etc., with an established record of high quality research, product design & development and commitment to teaching for faculty positions at the level of Assistant Professor (on contract in AGPs of Rs.6000/- and Rs.7000/-) and Assistant Professor (Rs.8000/-) in the disciplines of Computer & Electronics Engineering, Mechanical Engineering, Industrial Design & Smart Manufacturing. Areas of specialization, but not limited to in the required disciplines are as below:-

- **Computer & Electronics Engineering**
 - Big Data and Analytics, Artificial intelligence, Cybersecurity, Internet of Things, Augmented and Virtual Reality, Computer graphics and multimedia, Mobile technologies, Cloud computing and cyber-physical systems, Digital Design and Verification, GPU Architectures and Applications, Human Computer Interface Autonomous systems, Control and robotics, Microelectronics and VLSI design, Networked embedded systems, Wireless communication, Biomedical systems, Photonics, Computer vision, Smart grid and other energy technologies, Flexible Electronics/Printable Electronics
- **Mechanical Engineering**
 - Computational Geometry, Design for Additive Manufacturing/Shape optimization, Machine Learning, Operations Management/IT enabled Manufacturing, Non-traditional Manufacturing, Renewable energy systems, Additive manufacturing, Advanced Materials & Product Design, FMEA & Design
- **Industrial Design & Smart Manufacturing**
 - Product design, Industrial design, Design Thinking, Smart manufacturing, Digital Plant Integration, sustainable Design & Manufacturing, IIOT, Machine to Machine Communication, Systems Engineering, Big Data

Detail of Educational qualification and experience required for the posts:

Post Sl. No	Designation, Pay Band and Academic Grade Pay	Essential Qualification	Relevant Experience	Other essential requirements
01	Assistant Professor (on contract), PB-3 with Grade Pay of Rs. 6000/-+ 07 additional non-compounded increments	Ph.D.	None	None
02	Assistant Professor (on contract), PB-3 with Grade Pay of Rs. 7000/-	Ph.D.	01 year	One paper accepted for publication in SCI Journal
03	Assistant Professor, PB-3 with Grade Pay of Rs. 8000/-	Ph.D.	03 years after Ph.D or 06 years total (not counting Ph.D. enrolment period) after obtaining M.Tech. degree.	02 papers in SCI Journals outside Ph.D. work. One ongoing sponsored project for candidates from academia. Two experiments or computational projects added to teaching laboratories where appropriate.

NOTE: - Reservation for SC/ST/OBC/PWD candidates will be as applicable.

AGE: Candidates for Assistant Professor should be preferably below 40 years of age.

Instructions for Completing the Application Form:

1. One application form for each post to be sent if applying for more than one. Enclosures are to be uploaded along with the application form, as separate documents (pdf preferred). The application form / data sheet is a summary sheet mainly for data collection for statutory and statistical purposes and all details should be in attached Academic Profile as detailed below.
2. Enclose a detailed Academic Profile including the following information.
 - a) A Teaching Plan, indicating core courses from the IITDM Kancheepuram curriculum (available at the IITDM Kancheepuram website) that the candidate can teach and also an expanded statement of his objectives and long term interests in coursework development. For those with prior teaching experience, the statement should contain student feedback ratings, profiles of 3 best courses taught by the candidate in the last three years (profile should contain course outline / teaching plan, novel methods used, if any, including online content, term papers, group activity etc.) The statement should also include details of any teaching related awards and details of participation in teacher development programs as participant or as mentor.
 - b) 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 contribution. Also to be highlighted are achievements of research scholars guided, especially where one can take pride in the work done or the role played in guiding.
 - c) 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. Group the above as Journal Publications and papers presented at National / International Conferences. For each paper, include citation count and Journal Impact factors as available.
 - d) 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.
 - e) 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. Degrees in progress (on going supervision) may be indicated separately.
 - f) Details of externally funded / sponsored 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.
 - g) Industrial Experience and Consultancy: Details of industrial experience and relevance to proposed teaching and research.
 - h) Other Activities Like:
Text books and Monographs written with details,
Continuing education programs / conferences organized (as an organizer or co-organizer) etc.
 - i) Any other relevant but brief information on academic standing.
- References will be obtained from the referees only for the shortlisted candidates directly from the Institute.
- Candidates to upload reprints of three best papers published / accepted.

Support for Professional Advancement of Faculty:

- Reimbursement of telephone bills up to Rs.750/p.m. and STD facility for office telephone.
- A Cumulative Professional Development Allowance (CPDA) of Rs.3 lakhs for every block period of 3 years (Rupees one lakh per year) is made available to every member of the faculty on reimbursable basis to meet the expenses for participation in national and international conferences, payment of membership fee of professional bodies and contingent expenses.
- No limit on the attendance at International Conferences without Institute financial assistance.
- The Institute encourages interaction of the faculty with industry, other research and professional institutions. Consultancy is encouraged at IITDM Kancheepuram and liberal consultancy policies are in practice.
- Professional visits can be undertaken during vacation period for carrying out scientific research work.
- Facilities for Research and Development activities exist in all the Departments and Centres. These are being continuously modernized with contemporary equipment and services. Good facilities also exist for computing. The Institute has a well-stocked library.

Additional Information

- Permanent faculty positions are open to Indian Nationals, Persons of Indian Origin (PIO) and overseas citizens of India (OCI). Appointment of foreign nationals for fixed period on contract basis is permissible.
- Political and security clearance from Ministries of External Affairs and Home Affairs is necessary in every case for individuals with foreign passports.
- Reservation: Reservation as per Government of India rules, as applicable to IITs, is followed, without any relaxation on qualifications and experience. Necessary certificates must be enclosed with the application form.
- Candidates employed in Government and Semi-Government Organizations, Public Undertakings, University and Educational Institutions must apply through proper channel from their present employers. If they anticipate unavoidable delay in their applications being forwarded through proper channel, they may submit advance copies of their applications directly to the **Registrar, IITDM Kancheepuram, Off Vandalur-Kelambakkam Road, Melakottaiyur, Chennai – 600127, Tamil Nadu within the last date.**
- The Institute reserves the right to fill or not fill any or all the posts advertised.
- The Institute reserves the right to restrict the number of candidates for interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement and other academic achievements.
- The invitation to candidate for interview merely indicates that it is felt that he/she with others may be suitable for the post and conveys no assurance whatsoever that he/she will be recommended or selected or his/her conditions specified in the application will be accepted.
- The Institute reserves the right to screen and call only such candidates as are found prima-facie suitable for being considered by the Selection Committee. Thus, just fulfilling the minimum prescribed conditions would not entitle one to be called for interview.
- No correspondence whatsoever will be entertained from candidates regarding reason for not being called for interview / outcome of interview.
- The Institute may consider candidates whose area of specialization lie outside those stated herein, provided these persons have an outstanding record.
- Outstation candidates within India called for personal interview will be paid economy airfare by the shortest route and the candidates are to travel only by Air India flights.

- The candidate is responsible for the correctness of the information provided in the application. If it is found at a later date that any information given in the application is incorrect / false the candidature / appointment is liable to be cancelled / terminated.

Important dates:

- a) Opening date for on-line application : 01-04-2017
- b) Closing date for on-line application : 30-04-2017

Registrar