



**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)**

Advt.No.2/2017

Dated: 08th October, 2017

FACULTY RECRUITMENT

Indian Institute of Information Technology Design and Manufacturing, Kancheepuram (IIITDM Kancheepuram) is an Institution of National Importance established in 2007 by the Ministry of Human Resources Development, Government of India. This institute is located at the outskirts of Chennai (approximately 25 Km from Chennai Airport) in the close proximity of the IT corridor, Industrial and Educational Institutions. It is centre of Excellence for pursuing Design and Manufacturing oriented Engineering Education. This institute offers Under Graduate, Post Graduate, Dual Degree programme in the areas of Computer, Electronics, Mechanical Engineering and inter disciplinary Ph.D programmes in the core and applied areas of Science and Engineering. This institute gives significant emphasis for practice courses and theory concepts are also explored along with relevant laboratory courses. In concise, the motto of the institute is "**Learning by Doing**"

IIITDM Kancheepuram invites application from individuals having **Doctoral degree** from reputed Institutions from India and abroad 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 Grade Pay of Rs.6000/- and Rs.7000/-), Assistant Professor (with Grade Pay of Rs.8000/-) and Professor (with Grade Pay of Rs.10500/-) under Four Tier Flexible Faculty Structure in the disciplines of Computer Science, Electronics Engineering, Mechanical Engineering, Industrial Design & Smart Manufacturing, Mathematics and Physics with areas of specialization, inter alia include the following:

- **Computer Science 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, computer vision
- **Electronics Engineering**
 - Autonomous systems, Control and robotics, Microelectronics and VLSI design, Networked embedded systems, Wireless communication, Biomedical systems, Photonics, 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
- **Physics and Mathematics**
 - All specialization

Detail of Educational qualification and experience required for the posts under Four Tier Flexible Structure:

Post Sl. No	Designation, Pay Band and Academic Grade Pay	Essential Qualification	Relevant Experience	Other essential requirements	Additional Desirable Requirements
01	Assistant Professor (on contract), PB-3 with Grade Pay of Rs. 6000/- + 07 additional non-compounded increments	Ph.D.	None	None	One Publication in an SCI Journal
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	Two papers in SCI journals or one patent may be based on Ph.D work
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.	One Ph.D supervision ongoing; 01 patent; Experience in industry or R&D lab of repute; M.Tech, MSc or B Tech project supervision on live industrial problems.
04	Professor, PB-4 with Grade Pay of Rs.10,500/-	Ph.D	10 years after Ph.D or 13 years total (not counting Ph.D enrolment period) out of which 07 years are to be after Ph.D.; At least three years to be at Associate Professor level in an institution of repute.	Two Ph.D. degrees guided in Career as sole or principal supervisor. The following during the past 04 years; (i) 03 papers in SCI Journals; (ii) One High value sponsored or consultancy project; (iii) Academic outreach activity equivalent to two self-financed courses offered as coordinator and main teacher; (iv) Two experiments or computational design projects with added to teaching laboratories where appropriate.	One or more Patents, Supervised more than three students for Ph.D Preparing E-Learning material. Atleast one self-financed short term course offered every year. Strong liason with industry. Offering significant support to Institute management; High value sponsored or consultancy projects.

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 Applicants:

- i. Those who had applied in response to our earlier advertisement No. 6-5(15)/2017- Estt. Dated: 01.04.2017 will be considered and therefore need not apply again. Any additional information may be provided at the time of interview.
- ii. Applicants are required to submit on-line application and the candidates applying for more than one post are required to submit application for each post separately. Enclosures, if any, in support of application are to be uploaded as separate documents (pdf preferred) along with the application form. **There is no requirement to send hardcopy of application to the institute.**

iii. A detailed Academic Profile, inter alia, including the following information is required to be submitted:

- a) A Teaching Plan, indicating core courses from the curriculum of IITDM Kancheepuram (available at www.iiitdm.ac.in) that the applicant can teach and also an expanded statement of his objectives and long term interests in coursework development. In case of candidates having prior teaching experience, the statement should contain student feedback ratings, profiles of 3 best courses taught 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. (To be submitted at the time of interview)
- b) A Research Plan highlighting current and past research interests and achievements as also future plans in the short and long terms. The plan shall also highlights the achievements of guided research scholars especially where one can take pride in the work done or the role played in guiding. In addition, candidates are expected to submit one page abstract of two research proposals after joining the institute. (To be submitted at the time of interview)
- c) Details of publications / conference papers: Candidates are expected to upload copies of 3 best papers authored by them in the last 5 years chronologically listing: Names of authors, Title of the paper, Name of the Journal/Conference, Volume/ Proceedings, pages (from – to), Year, etc. The same shall be grouped as Journal Publications and papers presented at National / International Conferences along with citation count and Journal Impact factors as available.
- d) Details of 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): Research degree, Name of the scholar, Title of the 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 also be indicated separately.
- f) Details of Externally funded / sponsored projects: 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 and the value added 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 if any authorised by the candidate along with details, Continuing education programs / conferences organized (as an organizer or co-organizer) etc.
- i) Any other relevant but brief information on academic standing.

On the above, the Teaching Plan and Research Plan are not required to be submitted at the time of application. Upon publication of shortlisted candidates, the candidates are required to submit the same within the stipulated time. Further, only in case of shortlisted candidates, References will be invited directly from the referees by the Institute.

Support for Professional Advancement of Faculty and other benefits:

- A Cumulative Professional Development Allowance (CPDA) of Rs.3 lakhs for every block period of 3 years (Rupees one lakh per year) will be made available to every member of the faculty on reimbursable basis to meet the expenses for participation in National and International conferences, Membership fee of professional bodies and contingent expenses.

- Reimbursement of telephone bills up to Rs.750/p.m. and STD facility for office telephone.
- Permission to attend multiple International Conferences without Institute financial assistance.
- Opportunity to interact with industry, other research and professional institutions.
- Encourage for Consultation works with liberal policy.
- Professional visits during vacation period for carrying out scientific research work.
- Facilities for Research and Development activities in all the Departments and Centres.
- Good facilities for computing.
- Well-stocked library.
- Contribution towards New Pension Scheme (NPS), HRA, LTC, medical re-imburement, transportation allowance, education allowance for children etc. will be admissible as per the Institute Rules.

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 without any relaxation on qualifications and experience. Candidates claiming reservation are to enclose relevant certificates along with the application form.
- Candidates employed in Government and Semi-Government Organizations, Public Undertakings, University and Educational Institutions must apply through proper channel. **Accordingly, No objection Certificate is required to be submitted by the candidate at the time of interview.**
- 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 the suitability 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 is other than 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 : 08-10-2017
- b) Closing date for on-line application : 31-10-2017

Registrar