



(An Institute of National Importance under MHRD, Government of India)

Melakottaiyur, Off Vandalur-Kelambakkam Road, Chennai-600127

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### **Faculty Recruitment**

Indian Institute of Information Technology Design and Manufacturing, Kancheepuram (IIITDM Kancheepuram) is an Institute 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 a centre for higher learning in Design and Manufacturing oriented Engineering Education. The institute offers Under Graduate, Post Graduate, Dual Degree programme in the areas of Computer Science, Electronics & Communication Mechanical Engineering and Smart Manufacturing along with inter disciplinary Ph.D programmes in the core and applied areas of Science and Engineering.

IIITDM Kancheepuram gives significant emphasis for practice courses in addition to theory concepts. In concise, the motto of the institute is "**Learning by Doing**". The Institute encourages academic as well as industrial experts from all discipline, Design and Manufacturing in particular, to join as faculty member to orient and guide our students.

IIITDM Kancheepuram invites online application from individuals having Doctoral degree from reputed Institutions from India and abroad with an excellent academic record and high quality research, product design & development and commitment to teaching for faculty positions at the level of Professor, Associate Professor and Assistant Professor under Four Tier Flexible Faculty Structure in the disciplines of Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering and Design, Physics and Mathematics with areas of specialization, inter alia, include the following:

- **Computer Science and Engineering**

- (a) Computer Architecture /High Performance Computing /Parallel Computing/ Algorithm Design
- (b) Operating Systems/OS Kernels/Device Drivers
- (c) Computer Networks
- (d) Artificial Intelligence / Machine Learning / Data Mining.
- (e) Pattern Recognition/ Information Security/ Recommender Systems/ Health Care Informatics/ Big Data Analytics

- **Electronics and Communication Engineering**

- (a) Analog/Digital/Mixed Signal/ VLSI Circuit Design
- (b) RF/Microwave/Antenna
- (c) Digital Signal Processing/Biomedical Signal Processing/ Image Processing
- (d) Physical layer Communication/Networking

- **Mechanical Engineering**

- (a) Manufacturing / Smart Manufacturing / Production Engineering and its relevant area.

- **Design**

- (a) Product Design

- **Physics & Mathematics**

- (a) All specializations

**2. 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	<b>Assistant Professor-Grade II</b>  Basic Pay at the entry level would be Rs.70,900 at Academic <b>Pay Matrix level 10 in 7th CPC.</b>	Ph.D.	None	None	One Publication in an SCI Journal
02	<b>Assistant Professor-Grade II</b>  Academic <b>Pay Matrix level 11 in 7th CPC.</b> Basic pay will be fixed in line with recommendation of selection panel.	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	<b>Assistant Professor-Grade I</b>  Basic Pay at the entry level would be Rs.1,01,500 at Academic <b>Pay Matrix level 12 in 7th CPC.</b>	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.

Post Sl. No	Designation, Pay Band and Academic Grade Pay	Essential Qualification	Relevant Experience	Other essential requirements	Additional Desirable Requirements
04	<b>Associate Professor</b> Basic Pay at the entry level would be Rs.1,39,600 at Academic Pay Matrix level 13A2 in 7th CPC.	Ph.D	06 years after Ph.D or 09 Years total (not counting Ph.D Enrolment period) out of which 03 years should be after Ph.D. Three years at the level of Assistant Professor with AGP of Rs.8000 or its equivalent in 7th CPC at a reputed university, R&D Lab or relevant industry.	04 Papers in SCI journals after Ph.D; one Ph.D guided as sole or principal supervisor plus one continuing. Two projects ongoing or one ongoing plus one completed. Two experiments or computational projects added to teaching laboratories where appropriate. Academic outreach activity equivalent to two self financed short term courses.	01 or more patents; supervising two or more students for Ph.D; strong liaison with industry; Offering courses through application of ICT
05	<b>Professor</b> Basic Pay at the entry level would be Rs.1,59,100/- at Pay Academic Matrix level 14A in 7 <sup>th</sup> CPC	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:**

- a) Reservation will be as per Govt. of India norms prevalent at the time of interview.
- b) Age limit in case of Assistant Professor Grade II shall be a maximum of 35 Years; 40 Years for Assistant Professor Grade I; 45 Years in case of Associate professor and 50 years in case of Professor. However, for exceptional candidates age may be relaxed at the discretion of the screening committee.
- c) Post Doctoral Experience in reputed institution in India and abroad will be an added advantage.

**3. Eligible Degrees for Consideration:**

Sl. No.	Discipline	Eligibility
1.	Computer Science and Engineering	B.E/B.Tech in Computer Science and Engineering/Information Technology/ Electrical Engineering/Electronics and Communication Engineering and M.E/M.Tech/M.Des in Computer Science and Engineering /Information Technology or its equivalent along with Ph.D Degree in Computer Science and Engineering in the subject areas viz. Computer Architecture / High Performance Computing / Parallel Computing / Algorithm Design / Operating Systems / OS Kernels / Device Drivers / Computer Networks / Artificial Intelligence / Machine Learning / Data Mining / Pattern Recognition / Information Security / Recommender Systems / Health Care Informatics / Big Data Analytics or its relevant areas.
2.	Electronics and Communications Engineering	B.E/B.Tech and M.E/M.Tech/M.Des in Electrical Engineering/ Electrical and Electronics Engineering/ Electronics Engineering/ Electronics and Communication Engineering or its equivalent along with Ph.D Degree in Electronics Engineering / Electronics and Communication Engineering in the subject areas viz. Analog / Digital / Mixed Signal/ VLSI Circuit Design / RF/ Microwave / Antenna / Digital Signal Processing / Biomedical Signal Processing / Image Processing / Physical layer Communication / Networking or its relevant areas.
3.	Mechanical Engineering	B.E/B.Tech and M.E/M.Tech/M.Des in Mechanical Engineering/ /Aerospace Engineering/ Automobile Engineering/ Industrial Engineering/ Instrumentation / Production/ Manufacturing Engineering/ Mechatronics/ CAD/CAM/ CIM or its equivalent along with Ph.D in Mechanical Engineering in the subject areas viz. Manufacturing / Smart Manufacturing / Production Engineering or its relevant areas.
4.	Design	B.Des, M.Des and PhD in Design or Engineering graduates with at least one degree in Design at Masters or PhD level in the subject area of Product Design or its relevant areas.
5.	Physics	B.Sc. and M.Sc / M.Sc (Tech) in Physics, Applied Physics, Materials Science/ M.Tech (Solid State Technology)/ M.Tech (Materials Science)/ M.Sc. Applied Optics/ Optoelectronics or equivalent along with Ph.D in Physics.
6.	Mathematics	Bachelor and Master Degree in Mathematics / Statistics/ Applied Mathematics/ Industrial Mathematics & Scientific Computing along with Ph.D in Mathematics/ Statistics.

**Note:**

- a) In case of Institute offering interdisciplinary courses, the area of specialization / research will be considered for short listing suitable candidates.
- b) The Institute reserves its right to select the candidate in the areas over and above the specified areas taking into account the credential of the candidates.

**4. Instructions for Applicants:**

- Applicants are required to submit on-line application and the candidates applying for more than one post are required to submit application for each discipline separately. Enclosures, if any, in support of application are to be uploaded as separate documents (pdf preferred) along with the application form.
- 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 IIITDM Kancheepuram (available at [www.iiitdm.ac.in](http://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.
  - 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.
  - c) Details of Journal publications : **(SCI Only)**

Candidates are expected to upload a list of journal publications along with copies of 4 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 (only Ph.D.with formal Guide Status) :

Research degree, Name of the scholar, Title of the Thesis, Year of award etc (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:

Lab Experiments added, outreach activity, E learning/ICT based methodology adopted for teaching, 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.**

**5. Benefits extended to Faculty:**

- a) 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.
- b) Allotment of faculty quarter inside the campus subject to availability.
- c) Opportunity to interact with industry, other research and professional institutions.
- d) Encouragement for Consultation works with liberal policy.
- e) Professional visits during vacation period for carrying out scientific research work.
- f) Facilities for Research and Development activities in all the Departments and Centers.
- g) Reimbursement of telephone bills up to Rs.750/p.m. and STD facility for office telephone.
- h) Good facilities for computing.
- i) Well-stocked library.

**6. Additional Information:**

- a) 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.
- b) Political and security clearance from Ministries of External Affairs and Home Affairs is necessary in every case for individuals with foreign passports.
- c) Candidates employed in Government and Semi-Government Organizations, Public Undertakings, University and Educational Institutions must apply through proper channel or required to submit **No objection Certificate at the time of interview.**
- d) Serving faculty members of the IIITDM Kancheepuram may also apply for higher Academic Grade Pay or Cadre.
- e) The Institute reserves the right to offer a lower post including entry level post of the cadre to any candidate taking into account his credential even in case of application for higher post.
- f) Higher initial basic pay may be given to exceptionally qualified and deserving candidate (s) with relevant experience.
- g) The Institute reserves the right to fill or not to fill any or all the posts advertised.
- h) The Institute reserves the right to screen and call only such candidates as are found prima-facie suitable and meeting the norms and requirement of the department as stipulated by the Screening Committee. Thus, just fulfilling the minimum prescribed conditions would not entitle one to be called for interview.
- i) 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.
- j) The Institute reserves the right to shortlist only the candidates whose Area of Specialization/Research meeting the requirement of the institute
- k) The Institute may consider candidates whose area of specialization is other than those stated herein, provided these persons have an outstanding record.
- l) **Policy on avoiding in-breeding:** Candidates who have obtained or are expected to obtain their most recent degree (Ph.D.) from IIITDM Kancheepuram will normally not be considered for recruitment, except where there is a 3 years gap between leaving the Institute and the last date of application.
- m) The Institute reserves the right to rectify any discrepancy in the pay, Pay Level, etc., if found later on.

- n) 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.
- o) No correspondence whatsoever will be entertained from candidates regarding reason for not being called for interview / outcome of interview.
- p) Outstation candidates within India shortlisted for personal interview, on the basis of performance in seminar presentation, will be paid 2nd Class AC train fare by the shortest route from your residence or work place.
- q) 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.
- r) The date and time of Interview will be informed **only through the Institute website / e-mail.**
- s) The institute reserves its right to have scrutiny criteria different for potential candidates.

**7. Application Fee:**

Applicants belonging to General / EWS / OBC category are required to pay non-refundable application fee of Rs.500 through online and indicate the Reference number (DU number) in the online application. The link for payment is provided in the application form of web page. **No application fee is required for Women, SC/ST, and Physically Challenged Candidates.** Application fee will not be refunded or re-adjusted under any circumstances. No other mode of payment will be accepted. Online application submitted without requisite fee will be rejected without any correspondence.

**8. Mode of Selection:**

The selection process consists of two phases

- a) **Seminar Presentation**
- b) **Interview**

The shortlisted candidates will be invited to give seminar presentation before the duly constituted committee. Only the candidates recommended by the committee based on their performance in the seminar presentation shall attend interview before the selection panel.

**9. Important dates:**

- a) Opening date for on-line application : **24.06.2019**
- b) Closing date for on-line application : **15.07.2019**

**Any query contact:**

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Director