



**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

PROFESSOR EMERITUS / ADJUNCT / VISITING / FACULTY ON CONTRACT

Indian Institute of Information Technology Design and Manufacturing, Kancheepuram is an Institution of National Importance established in 2007 by the Ministry of Human Resource Development, Government of India and is located at the outskirts of Chennai. It is a Centre of Excellence for pursuing Design and Manufacturing oriented Engineering Education and Research and for promoting competitive advantage of Indian products in global markets.

IIITDM Kancheepuram is presently offering undergraduate, postgraduate, dual-degree programmes in the areas of Computer, Electronics, Mechanical Engineering, Smart Manufacturing and inter-disciplinary Ph.D programmes in core and applied areas of engineering. It functions with the vision to groom engineers with design and manufacturing skills. The institute gives significant amount of emphasis for practice courses and theory concepts are also explored along with the relevant laboratory course.

IIITDM Kancheepuram invites application from individuals having **Doctoral degree** from reputed Institutions in India (like IITs, IISc etc.) and abroad, with an established record of high quality research, product design & development and commitment to teaching and research in the following disciplines (with areas of specialization) for the above mentioned faculty positions:

- **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

Qualification & Experience:

Professor Emeritus (Part or Full Time)

Faculty superannuating from service in NITs, CFTI's and comparable institutions may be inducted as Professor Emeritus initially for a period of 1 year and extendable upto a maximum of 3 years. The provision is limited to faculty with suitable externally sponsored projects or comparable activities, in addition to shouldering normal teaching responsibilities.

Adjunct Faculty (Part Time)

Reputed Scientists, engineers and other professionals, both serving and retired (from active service), may be inducted as Adjunct Faculty initially for a period of 1 year and extendable upto a maximum of 5 years. They must be persons of repute, add valuable expertise, practical knowledge and complement the knowledge pool of existing faculty. They supervise student projects, carry out sponsored research & consultancy, teach courses and all other activities either independently or in collaboration with a regular faculty.

Visiting Faculty (Full Time)

Academic personnel from universities, institutes, R&D labs, Industry or Government in India or abroad, including those on sabbatical leave from other institutions or retired will be inducted for brief period of 1 year and extendable upto a maximum of 2 years. They are expected to work full time taking academic responsibilities at par with regular faculty members.

Faculty on Contract (Full Time)

Ph.D holders from reputed institutes with proven teaching and research record will be considered for the post of faculty on contract under consolidated pay. Faculty on contract is not part of regular faculty cadre. In case such selected candidate wishes to get appointed in the regular cadre of Assistant Professor Position they have to apply afresh against open advertisement.

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 via 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.

Additional Information

- 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 domestic 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