IIITD

INDRAPRASTHA INSTITUTE *of*
INFORMATION TECHNOLOGY
DELHI

Tenure Track Faculty Positions
in
Electronics & Communication Engineering
www.iiitd.ac.in/careers/faculty

About IIIT-Delhi:

IIIT-Delhi (www.iiitd.ac.in) is an Autonomous Institute created by Govt. of Delhi with a mission to become a world-Class R&D led Institution in IT and allied areas. It offers one of the most vibrant and exciting academic environments in India and is an ideal place for a young researcher who wishes to work in India in these exciting times. It has recruited over 60 faculty members in last 8 years, mostly holding PhD from US and Europe, and has built strong research groups in areas like Security, Biometrics, Mobile Computing, Data Management, Software Engineering, etc.

How to Apply?

For applying, send an email with CV (with names of at least three references), a research statement, and a teaching statement indicating the core and advanced courses of interest to:
faculty-applications@iiitd.ac.in
Please put the subject as "Faculty position in ECE".

Eligibility:

The ideal candidate will have a PhD from a top Institution in India or abroad, perhaps some post doc experience, good research and publication track record, and show future potential.

We seek candidates grounded in some of the core areas of ECE, who are driven by emerging systems applications, have the capability to build a research program, and provide innovation and quality teaching at both the undergraduate and graduate levels.

Areas of Interest:

The Institute is looking for tenure-track faculty to strengthen its programs in Electronics and Communication Engineering. The areas of interest are:

- **Circuits/Electronics:** Circuits and systems, VLSI/CAD, Analog Circuits, Organic Electronics, Flexible Electronics, RF Circuits & Systems, RFIC, Low Power VLSI, 3D ICs, Multi-core Processors and New Architectures, Computational Electromagnetics, Secure Systems, Circuits and Architectures etc.
- **Communications/Networks:** Wireless Communication and Networks, Integration of Wired/ Wireless Networks, Applications to transportation, Energy Grids and Next Generation Networking, Information Theory and Network Science, Network Optimization, Optical Networks and Communications, etc.
- **Signal/Image Processing:** Multimedia Systems, Image Compression & Processing, Speech Recognition, Bio-Medical Imaging and Applications, Signal Processing for Wireless Communications, High performance computing, Speech Processing, Optical Imaging, Data science, ML etc.
- **Energy Systems and Technologies:** Energy Sensing, Management, Operations; Power Electronics, Energy Management in Buildings, Smart Grid Technologies (Communications and Control, Distributed Operations), Computational Sciences for Environment etc.
- **Embedded Systems & Controls:** IOT, Embedded Systems, Emerging Low Power/ Low-cost Sensor Net Platforms, Controls with applications to Cyber-Physical Systems, RF, mm-Wave Technology etc.

The strong candidates in other areas will also be considered primarily.

Research, Innovation and Development:

The Institute puts a strong emphasis on research, innovation and development to create impact through published papers, hardware and software prototyping, deployments and ultimately, technology transfer. It strongly focuses on graduate education via the PhD program (various policies to attract PhD students have already yielded about 150 scholars in eight years). It also extends significant support for initial career development via initiation research grant, support for conference travel and professional society membership, and encouragement of continuing collaborations with foreign partner institutions (with options for short-term leave support). It has implemented systems of yearly appraisal/ feedback and a tenure process to help faculty members aim high and create an institute whose reputation is benchmarked against international standards.

Education:

The Institute also aims to provide an excellent education. The BTech (ECE) Program has many innovative concepts like starting with the ECES courses, allowing long duration projects, streams providing limited specializations in CS/ECE/CB as well as interdisciplinary areas, etc. In the MTech program, it has both thesis and non-thesis options, and possibility of specialization in areas like Security, Data Management, Mobile Computing, etc.

Compensation and Quality of Life:

The Institute provides a compensation (CTC) of over Rs.1.70 lac/month for a starting Asst. Prof. and allows a faculty member to supplement it through research grants, summer sabbaticals in R&D labs/companies, consultancy, etc. The campus is situated in Okhla, Phase-III with a Metro station within ½ km, with modern, good quality and spacious accommodation for faculty.

Schedule:

For applying: Anytime-applications processed regularly.

Technical Seminar: On a mutually convenient date; often when the candidate is visiting India. E-seminar also possible.

Interaction with Selection Committee: Held regularly, every few months.