



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

Advertisement No. Rectt/01/ 2019

FACULTY OPENINGS

IIT Bhubaneswar invites applications for faculty positions from Indian nationals including Persons of Indian Origin (PIO) and Overseas Citizen of India (OCI) who are exceptionally bright and motivated, with an established record of independent, high quality research and commitment to teaching.

For further details, and online submission of application against this rolling advertisement, please visit <http://www.iitbbs.ac.in/faculty-advt-2019.php>

Those who had applied against the advertisement no. Rectt/01/Acad/2017-18 are requested to update their biodata available in the new portal.

Reservation: As per GoI norms

MINIMUM QUALIFICATION

Ph.D. with first class or equivalent in the preceding degree in appropriate branch, with a consistently very good academic record and evidence of ability to pursue independent high quality research.

EXPERIENCE

Professor:

A minimum of 10 years teaching/research/industrial/professional experience of which at least 4 years should be at the level of Associate Professor in IITs, IISc Bangalore, IIMs, NITs, IISERs or at an equivalent level in any such Indian or foreign institutions of comparable standards.

The candidate should have demonstrated leadership in research in a specific area of specialization in terms of guidance of Masters and Ph.D. students, strong record of sponsored research, publications in reputed journals and referred conferences, patents, laboratory/course development and/or other recognized relevant professional activities.

Associate Professor:

At least 6 years teaching/research/industrial/professional experience of which at least 3 years should be at the level of Assistant Professor OR Senior Scientific Officer/Senior Design Engineer in a research organization or industrial enterprise.

The candidate should have demonstrated capability and adequate experience of independent research in terms of guidance of Masters and Ph.D. students, sponsored research, publications in reputed journals and referred conferences, patents, laboratory/course development and/or other recognized relevant professional activities.

Assistant Professor:

At least 3 years teaching/research/industrial/professional experience *excluding the experience gained while pursuing Ph.D.* Candidates should be highly motivated towards teaching and research and should have demonstrated research capabilities in terms of publications in reputed journals and referred conferences.

Eligible candidates with less than 3 years of relevant experience (as described for Assistant Professor), may be considered for the position of Assistant Professor (On Contract) with appropriate starting pay. Once selected in this position, the candidate will be considered for the post of Assistant Professor upon gaining the required experience.

Visiting Faculty Position

Depending on the immediate teaching requirement of the Schools/discipline, an applicant called for interview for regular position may be offered Visiting Faculty position for a period not exceeding 3-years with annual review. For such positions, selected candidates will be offered consolidated monthly remuneration and other benefits as per Institute rule.

AREAS OF SPECIALIZATION

[Note: Special emphasis will be placed in recruiting in the areas indicated in italics]

Computer Science and Engineering:

Artificial Intelligence, Big Data Analytics, Cryptography and Cyber Security, Cloud Computing, Cyber Forensics, Data science, Virtual Reality and Cyber Physical Systems,

Architecture and Organization, Computer Networks, Compiler Design, Distributed and Parallel Algorithm, Database Management, Game Theory, High Performance Computing, Machine Learning, Natural Language Processing, Operating Systems, Software Engineering

Electronics and Communication Engineering:

Wireless & Mobile Communication, Detection Systems, Embedded and Cyber Physical Systems, Integrated Circuits & VLSI Design, Digital Signal Processing, Optical Communications, Micro-electronics

Communication Networks and Switching, Microwave and RF Engineering, IoT, Electronics devices and circuit

Electrical Engineering:

Control Systems Engineering, Power Electronics and Drives, Electrical Machines, Energy Science and Engineering, Measurement and Instrumentation, Power System

Civil Engineering:

Structural Engineering, Construction Technology and Management, Water Resources Engineering

Environmental Engineering, Geotechnical Engineering, Transportation Engineering

Mechanical Engineering:

Micro-robotics, Product Design and Development, Micro- and Nano-manufacturing, Combustion, Virtual and Augmented Reality

Controls Engineering, Heat Transfer, Supply Chain Management, Data Analytics, Tribology, Bio-mechanics, Structural Dynamics, Continuum Mechanics, Computational Mechanics, Metal Forming (plasticity), Computational Fluid Dynamics

Metallurgical and Materials Engineering:

Extractive Metallurgy (ferrous and non-ferrous), Minerals Processing, Physical Metallurgy, Mechanical Metallurgy

Chemistry:

Inorganic, Organic, Physical, Polymer, Biochemistry and Analytical Chemistry

Physics:

All areas of Fundamental and Applied Physics

Mathematics:

Pure and Applied Mathematics, Probability and Statistics, and Theoretical Computer Science

Geology and Geophysics:

Geophysics, Igneous and/or Metamorphic Petrology

Ore Geology, and Structural Geology

Atmosphere and Ocean Sciences:

Physical Oceanography (with observational experience)

Atmosphere/Ocean/Climate Modelling, Physical and Dynamical processes of Atmosphere and Ocean

Humanities, Social Sciences and Management:

Psychology, Philosophy, Entrepreneurship

Sociology, Economics, English Language Teaching, Contemporary Literature, Financial Management, Marketing Management

SCALE OF PAY IN 7th PAY COMMISSION (is revised periodically as per GOI order)

Position	Pay Level	Minimum Pay in Pay Level	Approximate Gross Salary**
Professor	14A	Rs. 159,100	Rs. 190,373
Associate Professor	13A2	Rs. 139,600	Rs. 167,878
Assistant Professor Grade-I	13A1 (On completion of 3 Years of service in Pay Level 12 will be eligible for Pay Level 13A1)	Rs. 131,400	Rs.157,510
	12	Rs. 101,500	Rs. 123,239
Assistant Professor Grade-II	11 (in case of more than 1 Year post-PhD experience)	Rs. 84,800	Rs. 102,864
	10 (in case of less than or Equal to 1 Year post- PhD experience)	Rs. 70,900	Rs. 87,513

** Calculated at the minimum of the scale which includes (Basic, AGP, DA, HRA, Transport allowance, Telephone allowance and NPS).

ALLOWANCES**For Regular Faculty positions:**

1. All allowances as admissible to a Central Government employee stationed at Bhubaneswar are payable. The benefits such as HRA, LTC, medical re-imbursment, education allowance for children, and contribution towards National Pension System (NPS) etc. shall be as per the Institute norms.
2. A Cumulative Professional Development Allowance (CPDA) of Rs. 3 lakhs for every block period of 3 years on reimbursement basis will be admissible to meet the expenses for: participating in international/national conferences; membership fees of professional bodies; book grant; telephone charges; contingency etc. as per Institute guidelines.
3. Seed research grant up to Rs. 20 lakhs to initiate research project in a chosen area.
4. Reimbursement of relocation expenses at the time of joining as per Institute norms.

For Visiting Faculty positions:

1. Benefit of housing, telephone, office, computer and other benefits as applicable to regular faculty except CPDA and LTC. Medical benefit (for self and dependent) will be limited to Rs. 1.00 lakh per annum.
2. Professional allowance up to Rs. 50,000/- per annum (non-cumulative) for stationary, books, photo-copy charges, purchases of minor computer peripherals and TA/DA for attendance of one conference per semester.

NOTES

1. Applicants desiring to apply for more than one School should submit separate application for each School. Candidates will not require registering multiple times at the portal to apply for multiple positions.
2. For the post of Assistant Professor the candidates should be preferably below 35 years of Age.
3. Mere eligibility will not vest any right on any candidate for being called for interview.
4. Minimum requirement of experience may be relaxed in respect of outstanding candidates.
5. The Institute reserves the right to call only the requisite number of candidates for interview after short listing in terms of the Schools' requirement, candidates' qualification, suitability, experience and the status of decisions about the candidate in earlier selections.
6. The Institute reserves the right to fill or not fill any or all of the advertised posts as it may deem fit.
7. *Depending on requirement, interview may be conducted in select specializations only.*

- **The decision of the Institute in all matters of selection is final.**
- **NO INTERIM ENQUIRIES SHALL BE ENTERTAINED.**
- **Canvassing in any manner would entail disqualification of the candidature**

HOW TO APPLY

Candidates possessing the requisite qualifications and experiences are requested to apply online at <http://www.iitbbs.ac.in/faculty-advt-2017-18.php> following the instructions therein. The online portal will allow the candidate to print the filled-in application after successful electronic submission. The portal will also allow for editing after submission.

Registrar