



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

Advertisement No. Rectt/01/Acad/2016-17

FACULTY OPENINGS

Interviews to be held at Bhubaneswar & Abroad

IIT Bhubaneswar invites applications 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 faculty positions in its various Schools.

The interviews of shortlisted candidates are likely to be conducted at Bhubaneswar, Los Angeles, San Jose, Boston and London.

For further details, and online submission of application against this special advertisement, please visit <http://www.iitbbs.ac.in/faculty-advt-2016-17.php>

Those who had applied against the rolling advertisement after February 2016 are requested to update their biodata available in the new portal.

Reservation: As per Gol 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.

AREAS OF SPECILIZATION

<p>Computer Science and Engineering: Software Engineering, Architecture and Organization, Operating Systems, Computer Networks, Cyber Security, Compiler Design, Parallel Algorithm, Machine Learning, Database Management, Big Data Analytics, High Performance Computing, Natural Language Processing, Cloud and Distributed Computing, Cyber Forensics, and Cyber Physical Systems</p>
<p>Electronics and Communication Engineering: Wireless & Mobile Communication, Signal Processing, Communication Networks, Solid State Devices and Circuits, Microwave and RF Engineering, Optical Communications, Detection Systems, Embedded and Cyber Physical Systems, and Integrated Circuits & VLSI Design</p>
<p>Electrical Engineering: Control Systems Engineering, Power Electronics and Drives, Electrical Machines, Instrumentation, Power Systems, Energy Science and Engineering.</p>
<p>Civil Engineering: Structural Engineering, Construction Technology and Management, Environmental Engineering, Geotechnical Engineering, Transportation Engineering, Surveying, Water Resources Engineering, and Remote Sensing</p>
<p>Mechanical Engineering: Continuum Mechanics, Applied Elasticity and Plasticity, Fracture Mechanics, Non-linear Dynamics/Vibrations, System Dynamics and Controls, Machine Design, Bio-mechanics, Forming Processes, Conventional & nonconventional Machining Processes, Regenerative Manufacturing and Rapid prototyping, Surface Engineering, Combustion, and Industrial Engineering</p>
<p>Metallurgical and Materials Engineering: Physical Metallurgy, Mechanical Metallurgy, Ferrous Metallurgy, Non-Ferrous Metallurgy, Materials Processing (Metals, Ceramics, & Polymers), Computational Materials Engineering, and Mineral Processing</p>
<p>Chemistry: Inorganic, Organic, Physical and Analytical Chemistry</p>
<p>Physics: All areas of fundamental and applied Physics including Condensed Matter Physics, High Energy Physics, and Quantum information.</p>
<p>Mathematics: Pure and Applied Mathematics, Probability and Statistics, and Theoretical Computer Science</p>
<p>Geology and Geophysics: Geophysics, Ore Geology, Structural Geology, and Igneous and/or Metamorphic Petrology</p>
<p>Atmosphere and Ocean Sciences: Atmosphere/Ocean/Climate Modelling, and Physical Oceanography (preferably with observational experience).</p>
<p>Humanities, Social Sciences and Management: Economics, Psychology, English Language Teaching, Contemporary Literature Financial Management, Marketing Management, Entrepreneurship</p>

SCALE OF PAY (will be revised soon):

Position	Pay Band	Minimum Pay in Pay band	Academic Grade Pay	##Gross Pay at the Minimum of Scale as on 30.06.2016
Professor	PB-4: Rs. 37400 – Rs. 67000	Rs. 48000	Rs. 10500	Rs. 146925
Associate Professor	PB-4: Rs. 37400 – Rs. 67000	Rs. 42800	Rs. 9500	Rs. 131735
Assistant Professor	PB-3: Rs. 15600 – Rs. 39100	Rs. 30000	Rs. 8000	Rs. 96700
	On completion of 3 Years of service shall move to PB-4: Rs. 37400 – 67000	Rs. 37400	Rs. 9000	Rs. 117280
Assistant Professor (on contract)	PB-3: Rs. 15600 – Rs. 39100	Rs. 20140	With more than one year post-PhD experience: Rs.7000	Rs. 70093
			With less than or equal to one year post-PhD experience: Rs.6000	Rs. 67643

##OTHER ALLOWANCES

1. The pay also carries all other allowances as admissible to a Central Government employee stationed at Bhubaneswar. The benefits such as HRA, LTC, medical re-imburement, education allowance for children, contribution towards New Pension Scheme (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 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.

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. ***A candidate will be called for interview at any place convenient to the Institute. The Institute also reserves the right to hold interviews at only some of the places and cancel them at other locations depending on the number of applications and logistics convenience.***
8. ***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-2016-17.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