



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

ADVERTISEMENT FOR FACULTY POSITION

IIT Bhubaneswar invites applications from well-qualified candidates for faculty positions at the level of **Professor, Associate Professor and Assistant Professor** in its various Schools.

Reservation: As per Gol norms.

This is a rolling advertisement. There is no last date.

School of Basic Sciences

Physics:

Specialization: Biophysics, Non linear Optics, Plasma & Ultrafast Physics, Quantum Information & Cryptography, Energy Efficient Devices, Transport measurements, Nanoscale Physics, Multiscale Simulations

Mathematics:

Specialization: Topology, Analysis including Measure Theory and Differential Equations, Algebra, including Linear Algebra, Number Theory and Discrete Mathematics, Geometry, Dynamical Systems, Theoretical Computer Sciences

Chemistry:

Specialization: Total synthesis of natural and hybrid products, NMR spectroscopy, Theoretical & computational chemistry with focus on development of new methods and applications, Kinetics and Thermodynamics, Solid state Ionics for energy conversion and storage.

Bioscience & Engineering

Specialization: Biomaterials, Biomechanics, Biomedical Design, Bio-molecular Engineering, Biomedical Devices, Computational Biomedical Engineering

School of Earth, Ocean and Climate Sciences

Ocean & Climate Sciences:

Specialization: Physical Meteorology, Climate modeling, Air-Sea Interaction, Ocean Modeling, Physical Oceanography (with observational experience), Oceanographic/Meteorological Instrumentation (with observational experience), Remote Sensing and GIS (related to Ocean & Atmosphere)

Earth Sciences:

Specialization: Shallow surface Geophysics, Exploration Geophysics, Seismology, Mathematical Geophysics, Engineering Geology, Hydrology, Sedimentology, Aqueous Geochemistry, Geoinformatics, Igneous & Metamorphic Petrology, Economic Geology, Hydrocarbon Geoscience, Structural Geology

School of Electrical Sciences

Electronics & Communication Engineering:

Specialization: Wireless & Mobile Communication, Digital Signal Processing (Speech, Image, Video), VLSI Design & Embedded Systems

Electrical Engineering:

Specialization: Power Electronics & Drives, Power Systems Engineering, Alternative & Renewable Energy, Electrical Machines, Control Systems, Instrumentation

Computer Science & Engineering:

Specialization: Computer Networks & Security, Computer Architecture & Organization, Algorithms, Architecture, Operating Systems, Language Translators, Theoretical Computer Science, Databases, Software Engineering, Computer Networks, Network & System Security, VLSI, Artificial Intelligence, Computer Graphics, Mobile and Cloud Computing, Sensor Networks and Cognitive Radio

School of Humanities, Social Science & Management**Social Sciences:**

Specialization: Economics, Sociology, Psychology

Management:

Specialization: Finance, Operations, Systems, Marketing and HR

School of Infrastructure**Civil Engineering:**

Specialization: Structural Engineering, Geotechnical Engineering, Environmental Engineering, Water Resources Engineering, Surveying / Remote Sensing / GIS.

School of Mechanical Sciences**Design & Solid Mechanics:**

Specialization: Vehicle Engineering, MEMS, Systems Engineering, Tribology, Bio-inspired Design, Micro & Nano-scale Engineering, Computational Solid Mechanics, Bio-materials, Bio-Mechanics, Continuum Mechanics & Rheology

Thermal & Fluid Sciences:

Specialization: Computational Fluid Dynamics, Combustion, Multi-Phase Flow, Heat Transfer, Bio Fluid Mechanics & Heat-Transfer, Non-Newtonian Fluids, MHD, Gas Dynamics & High Speed Flows, Non-Conventional Energy, Alternative Fuels, Fuel Cells, Solar & Renewable Energy, Turbo-Machinery

System Dynamics & Controls:

Specialization: Applied Mathematics, Non-linear Dynamics, Robotics & Mechatronics, AI & Machine Learning, Optimization, Measurement & Instrumentation, Space Systems & Dynamics, Control Systems

Production & Manufacturing:

Specialization: Machine Tool & Machining, Non-Conventional Machining, Manufacturing

School of Minerals, Metallurgical and Materials Engineering**Metallurgical and Materials Engineering:**

Specialization: Physical Metallurgy, Mechanical Metallurgy, Extractive Metallurgy, Joining, Corrosion / Degradation, Special Materials

Minerals Engineering:

Specialization: Minerals Processing

MINIMUM QUALIFICATION

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

EXPERIENCE

Professor: A minimum of 10 years teaching / research / professional experience of which at least 4 years should be at the level of Associate Professor in IITs, IISc Bangalore, IIMs, NITIE Mumbai and IISERs or at an equivalent level in any such other 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 Ph.D. students, strong record of publications in reputed journals and conference proceeding, patents, laboratory/course development and/or other recognized relevant professional activities.

Associate Professor: At least 6 years teaching / research / professional experience of which at least 3 years should be at the level of Assistant Professor, Senior Scientific Officer / Senior Design Engineer in a research organization or industry. The candidate should have demonstrated adequate experience of independent research in terms of guidance of M.Tech, and Ph.D students, publications in reputed journals and conference proceedings, patents, laboratory / course development and/or other recognized relevant professional activities.

Assistant Professor: At least 3 years teaching / research / professional experience excluding, however, the experience gained while pursuing Ph.D. Candidates should have demonstrated research capabilities in terms of publications in reputed journals and conference proceedings.

Eligible candidates with less than 3 years experience, as mentioned above, may be considered for Assistant professor position on contract*. Such candidates may apply to the position of Assistant Professor in the online portal.

SCALE OF PAY:

Position	Pay Band	Minimum Pay in Pay band	Academic Grade Pay
Professor	PB4: Rs. 37400 – Rs. 67000	Rs. 48000	Rs. 10500
Associate Professor	PB4: Rs. 37400 – Rs. 67000	Rs. 42800	Rs. 9500
Assistant Professor	PB3: Rs. 15600 – Rs. 39100 On completion of 3 Yrs of service shall move to PB4: Rs. 37400 – Rs. 67000	Rs. 30000	Rs. 8000 Rs. 9000
*Assistant Professor (on contract)	PB3: Rs. 15600 – Rs. 39100	Rs. 20140	With less than or equal to one year experience: Rs.6000 With more than one year experience: Rs.7000 In the above cases experience will be counted excluding that gained while pursuing Ph.D.

In addition, other allowances as admissible to Central Government employees are applicable.

OTHER INCENTIVES

1. The pay also carries all other allowances as admissible to a Central Government employee stationed at Bhubaneswar. The fringe benefits, such as HRA, LTC, medical re-imbusement, education allowance for children, contribution towards New Pension Scheme (NPS) and etc. shall be permitted as per the Institute norms.
2. A cumulative Professional Development Allowance of Rs. 3 lakhs for every block period of 3 years on reimbursement basis to meet the expenses for attending international/national conferences, paying membership fees of professional bodies, covering book grant, paying telephone charges and meeting contingent expenses etc as per Institute guidelines.
3. Initial seed grant up to Rs. 10 lakhs for initiating research project in a chosen area.
4. Reimbursement of relocation charges at the time of joining as per institute norms.
5. Honorarium to the faculty members who have obtained Bhatnagar Award OR are Fellows of at least two National Academies. A faculty member is entitled for only one honorarium.

NOTES

1. **Canvassing in any manner would entail disqualification of the candidature.**
2. **NO INTERIM ENQUIRIES SHALL BE ENTERTAINED.**
3. Minimum requirement of experience may be relaxed in respect of outstanding candidates.
4. Mere eligibility will not vest any right on any candidate for being called for interview.
5. The decision of the Institute in all matters of selection is final.
6. The Institute reserves the right to call only the requisite number of candidates for interview after shortlisting in terms of the candidates' qualification, suitability and experience.
7. The Institute also reserves the right not to fill up positions, as it may deem fit from time to time.
8. Specializations advertised indicate primarily current requirement. Additional requirement will be updated from time to time.
9. Applicants desiring to apply for more than one School should send separate application for each School.
10. For the post of Assistant Professor the candidates should be preferably below 35 years of Age.
11. The candidates applying from Government Organizations or Public Sector Undertakings should have their application duly forwarded through proper channel else they will be required to produce a **NO OBJECTION CERTIFICATE** from their employer at the time of interview.
12. Candidates applying under reserved category must submit duly attested copies of relevant certificates along with the application form.

HOW TO APPLY

Candidates possessing the requisite qualifications and experiences may apply online at <http://www.iitbbs.ac.in/recruitment> following the instructions therein. The online portal will allow the candidate to print the filled-in application after successful electronic submission. Those who wish to apply for positions in multiple schools can do so in the online portal. Candidates will not require to register multiple times at the portal to apply for multiple positions.

Candidates who intend to forward the application through proper channel may follow the following steps:

1. Apply online at <http://www.iitbbs.ac.in/recruitment>
2. Print a hard copy of the application form (the online portal will allow you to print after successful electronic submission of your application)
3. Attach all relevant enclosures and forward the application packet through proper channel and send to:

**Assistant Registrar (E),
Indian Institute of Technology Bhubaneswar,
Samantapuri,
Bhubaneswar – 751013
Odisha, India**

Registrar