



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

**Advertisement No. Rectt/01/Acad/2015 for Faculty Position**

IIT Bhubaneswar invites applications from Indian nationals who are exceptionally bright and motivated, with an established record of independent, high quality research and commitment to teaching for positions of Professor, Associate Professor and Assistant Professor in its various Schools.

**Reservation:** As per Gol norms.

**Last Date for Online Submission is 04.10.2015**

**\*\* PLEASE NOTE:** THOSE WHO HAVE APPLIED EARLIER AGAINST THE ROLLING ADVERTISEMENT ARE REQUIRED TO UPDATE THEIR BIODATA ONLINE AGAINST THIS ADVERTISEMENT BEFORE THE LAST DATE.

**NO INTERIM ENQUIRIES SHALL BE ENTERTAINED.**

**Qualification and Experience will be reckoned as on 04.10.2015**

#### **MINIMUM QUALIFICATION**

Ph.D. with first class or equivalent in the preceding degree in appropriate branch with a consistently very good academic record throughout 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 industry.

The candidate should have demonstrated 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 however 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 reaching the required experience.

## AREAS OF SPECILIZATION

Details of discipline wise research specialization in various schools is given below:

School	Position	Discipline/ Specialization
Electrical Sciences	Assistant Professor	<b><u>Computer Science and Engineering:</u></b> Software Engineering, Architecture and Organization, System Software, Theory of Computation, Computer Networks, Cyber Security
		<b><u>Electrical Engineering:</u></b> Control System Engineering, Power Electronics and Drives, Electrical Machines, Instrumentation, Energy
		<b><u>Electronics and Communication Engineering:</u></b> Signal Processing, Communication Systems and Networks, VLSI Design, Embedded Systems, Semiconductor Devices, Microwave and RF Design, Optical Communications
	Associate Professor & Professor	<b><u>Computer Science and Engineering:</u></b> Broad areas of Computer Science and Engineering
		<b><u>Electrical Engineering:</u></b> Broad areas of Electrical Engineering
		<b><u>Electronics and Communication Engineering:</u></b> Broad areas of Electronics and Communication Engineering
Humanities, Social Sciences and Management	Assistant Professor	<b><u>English:</u></b> English Language Training, Contemporary Literature
		<b><u>Management:</u></b> Financial Management/ Marketing Management/ Project Management/ Quality Management/Entrepreneurship
	Associate Professor & Professor	Economics, English, Psychology

School	Position	Discipline/ Specialization
<b>Infrastructure</b>	Assistant Professor	Construction Technology and Management, Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, Water Resources Engineering, Surveying and Remote Sensing
	Associate Professor & Professor	Construction Technology and Management, Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, Water Resources Engineering, Surveying and Remote Sensing
<b>Mechanical Sciences</b>	Assistant Professor	Machine Tools & Manufacturing, IC Engines & Combustion, Dynamics & Mechanics of Solids, Machine Design, Controls
	Associate Professor & Professor	Manufacturing Systems Engineering, Thermal Sciences and Engineering, Mechanical Systems Design
<b>Minerals, Metallurgical and Materials Engineering</b>	Assistant Professor	<b><u>Metallurgical and Materials Engineering:</u></b> Physical Metallurgy, Mechanical Metallurgy, Ferrous Metallurgy, Non-Ferrous Metallurgy, Materials Processing
		<b><u>Minerals Engineering:</u></b> Mineral Processing
	Associate Professor & Professor	<b><u>Metallurgical Engineering :</u></b> Physical Metallurgy, Mechanical Metallurgy, Extractive Metallurgy
<b>Basic Sciences</b>	Assistant Professor	<b><u>Chemistry:</u></b> Organic Polymer Chemistry (with emphasis on Synthesis, Characterization and Applications in Materials Science)
		<b><u>Physics:</u></b> Experimental Energy Research; Condensed Matter Physics (experimental or theoretical)
		<b><u>Mathematics:</u></b> Algebra, Topology and Geometry, Partial Differential Equations, Number Theory, Theoretical Computer Science, Statistics
	Associate Professor & Professor	<b><u>Chemistry:</u></b> Inorganic Chemistry, Organic Chemistry and Physical Chemistry
		<b><u>Physics:</u></b> Fundamental and Applied Physics
		<b><u>Mathematics:</u></b> Pure and Applied Mathematics

School	Position	Discipline/ Specialization
Earth, Ocean and Climate Sciences	Assistant Professor	<b><u>Geology and Geophysics:</u></b> Seismology and Shallow Surface Geophysics, Structural Geology, Ore Geology, Igneous Petrology, Metamorphic Petrology
		<b><u>Ocean Sciences and Atmospheric Sciences:</u></b> Physical Oceanography, Atmospheric Dynamics
	Associate Professor and Professor	<b><u>Ocean Sciences and Atmospheric Sciences:</u></b> Atmospheric Modelling, Physical Oceanography
		<b><u>Geology and Geophysics:</u></b> Ore Geology, Igneous Petrology, Metamorphic Petrology, Geochemistry

#### SCALE OF PAY:

Position	Pay Band	Minimum Pay in Pay band	Academic Grade Pay	##Gross Pay at the Minimum of Scale as on 31.08.2015
Professor	PB4: Rs. 37400 – Rs. 67000	Rs. 48000	Rs. 10500	Rs. 124605
Associate Professor	PB4: Rs. 37400 – Rs. 67000	Rs. 42800	Rs. 9500	Rs. 111399
Assistant Professor	PB3: Rs. 15600 – Rs. 39100	Rs. 30000	Rs. 8000	Rs. 80940
	On completion of 3 Years of service shall move to PB4: Rs. 37400 – Rs. 67000		Rs. 9000	Rs. 98832
Assistant Professor (on contract)	PB3: Rs. 15600 – Rs. 39100	Rs. 20140	With less than or equal to one year experience: Rs.6000	Rs. 55678
			With more than one year experience: Rs.7000 In the above cases experience will be counted excluding that gained while pursuing Ph.D.	Rs. 57808

#### ##OTHER ALLOWANCES

- 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-imbursment, education allowance for children, contribution towards New Pension Scheme (NPS) etc. shall be as per the Institute norms.
- 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. 10 lakhs to initiate 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. \*\*Candidates who have applied earlier in response to Rolling Advertisement, are required to update their biodata online Vide this **Advertisement No Rectt/01/Acad/2015**.
  2. \*\*For shortlisting of application, the Institute will consider all biodata accrued in the rolling advertisement portal from 01.01.2014 to 31.08.2015.
  3. The candidates applying from Government Organizations or Public Sector Undertakings should additionally submit hard copy of the application duly forwarded through proper channel by 11.10.2015. Otherwise they will be required to produce a **NO OBJECTION CERTIFICATE** from their employer at the time of interview.
  4. Without any compromise on qualification, experience and competence, reservation as per Government of India rules – 15%, 7½ % and 27% for SCs, STs and OBCs respectively is applicable at entry level positions of Assistant Professor in Science and Engineering schools. However, in recruitment of faculty posts in subjects other than science and engineering, reservation shall also be applied in full including for the posts of Associate Professors and Professors. Necessary certificates must be enclosed with the application form. GOI policy on reservation of faculty positions also include persons with Physical disability.
  5. Candidates applying under reserved category must submit duly attested copies of relevant certificates along with the application form.
  6. Applicants desiring to apply for more than one School should send separate application for each School.
  7. For the post of Assistant Professor the candidates should be preferably below 35 years of Age.
  8. Mere eligibility will not vest any right on any candidate for being called for interview.
  9. Minimum requirement of experience may be relaxed in respect of outstanding candidates.
  10. 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.
  11. The institute reserves the right to fill or not fill any or all of the advertised posts as it may deem fit.
  12. 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 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 would require to forward the application through proper channel may follow the following steps:

1. Apply online at <http://www.iitbbs.ac.in/recruitment> on or before 04.10.2015
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 (Establishment)**  
**Indian Institute of Technology Bhubaneswar**  
**Samantapuri, Bhubaneswar – 751013**  
**Odisha, India**

**Registrar**