

## INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD

Advertisement No.: Special recruitment drive for  
SC/ST/OBC-NCL/EWS for faculty positions/01

Start Date of Applications: 06.10.2021

Closing Date of Applications: 31.10.2021

1. The Indian Institute of Technology Hyderabad (IITH) has been established in 2008 by the Government of India under the Institutes of Technology Act, 1961 as amended from time to time. IITH has been maintaining 8<sup>th</sup> rank among the engineering institutes in the country for the 3<sup>rd</sup> consecutive time (IITH being the first among IITs established in 2008 or later).

IIT Hyderabad is actively engaged in teaching, research and development and is seeking faculty for its various academic departments. The Institute invites applications from Indian nationals belonging to the SC/ST/OBC-NCL/EWS category, possessing excellent academic background, commitment to top quality teaching and proven credentials for carrying out outstanding research and development for its various Departments, as given below:

Sl. No.	Name of the Department	Sl. No.	Name of the Department
1	Artificial Intelligence	9	Electrical Engineering
2	Biomedical Engineering	10	Entrepreneurship and Management
3	Biotechnology	11	Liberal Arts
4	Chemical Engineering	12	Materials Science and Metallurgical Engineering
5	Chemistry	13	Mathematics
6	Civil Engineering	14	Mechanical and Aerospace Engineering
7	Computer Science and Engineering	15	Physics
8	Design		

### 2. Description of posts and required qualifications:

#### 2.1. Assistant Professor Grade I:

As per the 7<sup>th</sup> CPC, the minimum pay to be fixed at Rs. 1,01,500 (Matrix pay level of 12) along with allowances. After completion of 3 years of satisfactory service, they may be placed in matrix level 13A1 along with allowances.

**Qualification:** The candidate must have PhD with consistently good academic record throughout.

**Experience:** At least 3 years industrial/research/teaching experience after completing PhD.

#### 2.2. Assistant Professor Grade II:

Candidates without 3 years' industrial/research/teaching experience after completing PhD for direct recruitment as Assistant Professor Grade I, may be considered for Assistant Professor Grade II and the minimum pay to be fixed at Rs. 98,200 (Matrix pay level of 10) along with allowances. Once selected in this position, the candidate will be considered for the post of Assistant Professor Grade I upon reaching the required work-experience.

For Assistant Professor Grade II and Assistant Professor Grade I positions, the candidates should preferably be below 35 years of age.

### 3. Relaxation in age limit

#### 3.1.

Category	Age relaxation
Reservation policy as per GoI norms is followed.	
SC/ST	5 years
OBC-NCL	3 years
PWD	Relaxation for PWD candidates from the above categories: <b>15 years for SC/ST, 13 years for OBC-NCL.</b>

**3.2. Reservation for ‘Persons with Disabilities’ with minimum of 40% disability:** Preference will be given to ‘Persons with Disabilities’ (PWD) with minimum 40% disability.

**3.3.** The candidates submitting application **under the EWS category** should upload a valid EWS Certificate issued for the current financial year.

**3.4.** OBC-NCL certificate should not be more than two years old from the last date for application. However, if the certificate is not readily available, you may upload the available old certificate and will have to produce a fresh valid certificate if offered a position.

### 4. Specializations invited are as follows:

**4.1. Artificial Intelligence:** All areas of Artificial Intelligence (foundational, applied and interdisciplinary topics). The candidate can have academic training/degrees in any discipline, but should have a strong publication record on topics and venues (conferences/journals) related to AI. The candidate should be capable of teaching basic AI/ML courses.

**4.2. Biomedical Engineering:** Candidates from all engineering and applied physics backgrounds who have done substantial and outstanding research work in biomedical engineering in their doctoral thesis and thereafter will be considered. The areas for consideration are:

- Biomedical Instrumentation, Biomedical Devices, Biomedical Imaging and; Image and Signal Processing
- Experimental and Computational Biomechanics, Systems Biology
- Brain-machine interfaces and Computational Biology, Neural Engineering, Cognitive Neuro Sciences

#### **4.3. Biotechnology:**

4.3.1. **Bioinformatics:** Candidates should have a PhD in Bioinformatics, Computer science, Mathematics and publication record of research in method development and algorithm development in Bioinformatics and Mathematical biology

4.3.2. **Bioprocess Technology and Biochemical Engineering:** Candidates should have a PhD in Biotechnology or Biochemical Engineering or Bioprocess Technology or Chemical Engineering with publication record of research in biochemical engineering, bio reaction engineering, and Fermentation and Bioprocess technology

**4.4. Chemical Engineering:** All areas of Chemical Engineering, Process control, Process Systems Engineering, Particulate Technology and Mineral processing, Process

intensification, Membrane separation. The candidate should have PhD, with first class or equivalent BTech degree in Chemical Engineering with consistently good academic record throughout.

**4.5. Chemistry:** All areas of Chemistry

**4.6. Civil Engineering:** All areas of Civil Engineering

**4.7. Computer Science and Engineering:** All areas of Computer Science. Must have completed PhD in CSE or relevant field of engineering. Must have at least one degree in CSE. Must have a consistently good publication record and strong research vision.

**4.8. Design:** All areas of Design with particular emphasis on Graphic Design, Animation, Photography, New Media, AI and Design, Film making, Product Design, Furniture Design, Space Design, Ergonomics, Interaction Design, Sound Design, Interface Design, Automobile Design, Visual Culture, Design Education, Virtual Reality and Augmented Reality Design, Sustainability Design, Design for Special Needs, Design Anthropology Interface and any other related areas of Design

**4.9. Electrical Engineering:** All areas of Electrical Engineering with particular emphasis on Control Engineering Systems Theory, Power electronics, Electromagnetics and antennas, Communication systems hardware, Signal Processing, Queuing Theory, Quantum, Information Theory, Machine Learning and Big Data, Analog, mixed signal circuit and system design, Monolithic Microwave Integrated Circuits, Digital VLSI Chip design, Radio Frequency & Analog VLSI Chip design, Microsystems and Nano devices, Integrated Quantum photonics, Cognitive computing and machine learning VLSI systems, Memory Design, Hardware Security, Quantum Computing.

**4.10. Entrepreneurship and Management:** a) Marketing, b) Finance, c) Entrepreneurship, d) Information Systems, f) Public Policy

**4.11. Liberal Arts:** Economics, English, Psychology, Development Studies, Linguistics, Cognitive Science, English Language Teaching, & Performing Arts. Outstanding applicants from other areas may also be considered.

**4.12. Materials Science and Metallurgical Engineering:** All areas of Materials Science and Metallurgical Engineering with particular emphasis on Extractive Metallurgy, Computational Materials

**4.13. Mathematics:** All areas of Mathematics

**4.14. Mechanical and Aerospace Engineering:** All areas of Mechanical and Aerospace Engineering

**4.15. Physics:** Priority research areas (Experiment/Theory), Condensed matter experiment (Single crystal growth and Angle resolved photo-emission, spectroscopy, energy materials and devices), Nanofabrication and quantum electronics, nano electronic devices and simulations, Electronics circuit theory, High energy theory(hep-th)-nonperturbative fields & strings, bootstrap, (non)integrability, resurgence, on shell methods, BMS, Soft theorems, BH microstates, Nuclear Physics Experiment-nuclear structure, exotic and super heavy nuclei, with detector, hardware experience, matter at extreme densities, Nuclear Physics Theory, Adaptive optics and instrumentation design, Quantum optics and information, High-resolution Microscopy with metamaterials, Astrophysics (all areas) and Cosmology Gravitational Waves (all areas from Numerical Relativity, instrumentation, to Multimessenger astrophysics), Loop Quantum Gravity, Molecular dynamic simulations for solids and biological systems, Experimental Soft condensed matter, BSM phenomenology, Collider Physics, Machine learning in Particle Physics, Many-Body Theory

Candidates who possess a degree in Electrical engineering (or related discipline) at undergraduate/postgraduate or PhD level will also be considered for these disciplines.

5. For all the positions, MoE guidelines are mandatory.