INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
Renigunta Road, Tirupati-517506 (AP)

Admission to Ph.D and M.S. (Research) Jan-2019 Semester

Indian Institute of Technology Tirupati is the first among the 3G IITs, announced in 2014, to have its foundation stone laid in March 2015. It started functioning with the support of its mentoring institute, IIT Madras from the academic year of 2015-16. The academic program was launched in August 2015 with B.Tech programme in the fields of Civil Engineering, Computer Science & Engineering, Electrical Engineering and Mechanical Engineering. The curriculum has emphasis on theoretical knowledge and practice oriented laboratories. Courses are planned to nurture innovation, creativity, quality, teamwork, communication skills, ethics and societal interaction. Subsequently, M Tech, MS and PhD programmes were also started.

Applications are invited for admission to the M.S. (Research) and Ph.D Programmes starting in Jan-2019 Semester, as per details given below:

Doctor of Philosophy (Ph.D.)

Research Areas

1. Engineering

Civil Engineering:

Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, Water Resources Engineering.

Electrical Engineering:

Communication (Wireless), Microelectronics/Instrumentation.

Mechanical Engineering:

Fluid Mechanics & Heat Transfer, Turbomachines & Thermal Engineering.

2. Sciences & Humanities and Social Sciences

2.1. Sciences:

Mathematics:

Probability & Statistics, Numerical Analysis, Computational Fluid Dynamics and Fractals.

2.2 Humanities and Social Sciences:

English: Cultural Studies, Film Studies, Comparative Literature and other related areas

Economics: Development Economics, Comparative Political Economy, Development Studies and other related areas

Philosophy: Social and Political Philosophy

Categories of Admission:

Candidates will be admitted to the Ph.D. programme of the Institute under one of the following categories:

(a) Regular full-time scholars.

(b) Research scholars under the external registration programme, sponsored by and employed in an industry/organisation/national laboratories having R&D facilities and recognised by DST or by IIT Tirupati. A research scholar under the external registration programme will normally carry out part or all of his/her research work in the industry/organization/ national laboratory employing the scholar under the supervision of a guide employed in the same organization and a guide at IIT Tirupati. The candidate must have at least two years' experience in the parent organization.

Eligibility: Ph.D. in Engineering

(a) Candidates with a Master's degree in Engineering/Technology or a Master's degree by Research in Engineering/Technology with a good academic record.

(b) Candidates with Master's degree in Sciences with a good academic record and of exceptional merit are eligible for the relevant Engineering discipline. They should have a valid GATE score or UGC/CSIR-NET/NBHM or equivalent qualification in the relevant area tenable for the year of registration.

(c) Candidates who have qualified for the award of Bachelor's degree in Engineering/Technology from a Centrally Funded Technical Institute (CFTI) with an exceptionally good academic record in an eligible discipline will be considered for direct admission to Ph.D. provided he/she has a minimum CGPA of 8/10 (7.5 for OBC-NCL and 7.0 for SC/ST/PwD on a 10-point scale).

Eligibility: Ph.D. in Sciences

(a) Master's degree in Sciences with a good academic record and having a valid GATE score or UGC/CSIR-NET/NBHM or equivalent qualification tenable for the current year in the relevant area. Master's degree holders in Engineering/Technology are also eligible.

(b) Candidates who have qualified for the award of Bachelor's degree in Engineering/Technology from a Centrally Funded Technical Institute (CFTI) with an exceptionally good academic record in an eligible discipline will be considered for direct admission to Ph.D. in Sciences provided he/she has a minimum CGPA of 8/10 (7.5 for OBC- NCL and 7.0 for SC/ST/PwD on a 10.0-point scale).

Eligibility: Ph.D in Humanities and Social Sciences

Master's degree in an eligible discipline with a good academic record or equivalent and having a valid GATE score or UGC/CSIR- NET/NBHM or equivalent qualification tenable for the current year in the relevant area.

Master of Science (Research) [M.S. Research]

Research Areas

1. Engineering

Civil Engineering:

Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, Water Resources Engineering.

Computer Science & Engineering:

Computational Complexity, Arithmetic Circuit Complexity, Multicore Architectures, VLSI Testing, Software Engineering.

Electrical Engineering:

Communication (Wireless), Microelectronics/Instrumentation.

Mechanical Engineering:

Fluid Mechanics & Heat Transfer, Turbomachines & Thermal Engineering

Category of Admission:

(a) Regular full-time scholars

(b) Research scholars under the external registration programme sponsored by and employed in the parent industry/organisation having R&D facilities and recognized by DST or IIT Tirupati. A Research scholar under the external registration programme will normally carry out part or all of his/her research work in the industry/organisation/national laboratory employing the scholar under the supervision of a guide employed in the same organisation and a guide at IIT Tirupati. The candidate must have at least two years' experience in the parent organisation.

Eligibility for M.S. by Research

The minimum educational qualifications for admission to the M.S. by research degree for full time scholars are as follows:

(a) Candidates with a Bachelor's degree in Engineering/Technology in the relevant departments with valid GATE score.

(b) Candidates having Associate Membership of the following professional bodies are also eligible for admission to the M.S. programme of their parent discipline provided they have a valid GATE score and have passed both part A and part B of the Membership examinations with a good academic record: The Institution of Engineers (India) (Civil/Mechanical/Electrical and Electronics/Electronics and communications), The Institute of Electronics and Tele-Communication Engineering.

(c) Engineering graduates from IITs and other Centrally Funded Technical Institutes (CFTI) with a CGPA of at least 8/10 (7.5 for OBC-NCL and 7 for SC/ST/PwD) are eligible for seeking admission, without GATE score, to the MS Programme and they can be offered HTRA, if selected.

(d) Candidates under External Registration should have the same qualification as in (a) however, valid GATE score is not required.

General Remarks

- Shortlisted candidates will have to appear for an interview and/or a written test.
- Reservations for SC/ST/OBC-NCL/PwD shall apply as per GoI rules.
- Financial Assistance is available (HTRA) as per MHRD or other funding agency norms.
- **More details may be found in the** Information Broucher.
- **Applicants should apply through the online portal only**
- The last date for submission of applications is **21.10.2018**
- The admissions shall be governed by regulations given at IIT Tirupati website.
- No queries will be entertained.