



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,
DESIGN AND MANUFACTURING, KURNOOL**
(An Institute of National Importance funded by MHRD, Govt. of India)
Jagannathagattu, Dinnedevarapadu, Kurnool-518007, Andhra Pradesh
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Admission to PhD Programme (Full-time) commencing in September 2020

1. THE INSTITUTE

Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kurnool is an Institute of National Importance, established in 2015. It is fully funded and managed by the Ministry of Human Resource Development, Government of India. It is aimed to become a Centre of Excellence for pursuing Design and Manufacturing oriented Engineering Education and Research domains. As on date, the Institute is offering 3 B.Tech programmes in Computer Science and Engineering, Electronics and Communication Engineering, and Mechanical Engineering and five Ph.D programmes. From the Academic Year 2020-21 onwards, 3 M.Tech programmes in Computer Science and Engineering with specialization in Data Analytics and Decision Sciences, Electronic System Design, and Smart Manufacturing are going to commence.

2. ABOUT RESEARCH PROGRAMMES

The Institute offers full-time Ph.D. programmes in the Departments of Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Mathematics and Physics. Details of Research Areas for admission are provided at Annexure 'A'.

3. EDUCATIONAL QUALIFICATIONS & ELIGIBILITY

a). Applicants holding Master's degree

Master's / M.S. (by Research) degree in Engineering / Technology in the appropriate branch of study with minimum 60% aggregate marks or CGPA \geq 6.5 (out of 10) in UG and PG.

| SI. No. | Department | Eligibility |
|---------|---|--|
| 1 | Computer Science and Engineering | Master's degree in Engineering / Technology. Preference will be given to those with M. Tech. / M. E. / M. S. degree in Computer Science and Engineering or equivalent. Should have been qualified in GATE exam any-time |
| 2 | Electronics and Communication Engineering | Master's degree in Electronics Engineering (Electronics and Communication Engineering), Electrical Engineering, Electrical and Electronics Engineering, Electronics and Instrumentation Engineering or equivalent. Should have been qualified in GATE exam any-time. |
| 3 | Mechanical Engineering | Master's degree in Mechanical Engineering, Aerospace Engineering, Automobile Engineering, Energy Engineering, Industrial Engineering, Instrumentation, Metallurgical Engineering, Production/Manufacturing Engineering, Mechatronics, CAD / CAM / CIM and other allied areas. Should have been qualified in GATE exam any-time. |

| | | |
|---|-------------|--|
| 4 | Mathematics | M.Sc. Mathematics / Applied Mathematics or equivalent with GATE / UGC / CSIR / NBHM / Inspire Fellowship. |
| 5 | Physics | Master's degree in Physics / Applied physics / Material Science with GATE / CSIR-NET / Inspire Fellowship. |

b). Applicants holding Bachelor's degree:

Candidates who have Bachelor's degree in Engineering/Technology with exceptionally good academic record will be considered for admission to Ph. D. Programme subject to the following conditions:

- A B. Tech. degree holder from IIT with a minimum CGPA of 8.0 on a 10-point scale or with a valid GATE score.
- Bachelor's degree holder in Engineering/Technology from any other University with a valid GATE score and at least CGPA of 8.0 (out of 10) or 75% of marks under Gen/OBC category and at least CGPA of 7.5 (out of 10) or 70% for candidates under SC / ST / PWD category.
- A Bachelor's degree holder in Engineering/Technology from a reputed R&D organization with excellent research record and with minimum 60% aggregate marks or CGPA \geq 6.5 (out of 10).

4. PhD Admission

4.1 Admission with Financial Assistance (HTRA):

The scholars admitted to the Ph. D. programmes under Full-time are eligible for the Half-time Teaching / Research Assistantship (HTRA) under the following regulations:

- The scholars should work for at least 8 hours per week to earn this assistantship.
- Renewal of assistantship every semester will be contingent on enrolment, satisfactory progress in research work and good performance during the preceding semester in the discharge of responsibility as teaching / research assistant.
- Quantum of financial assistance is as under:

| | |
|---|---|
| Post Graduate Degree in Basic Science or Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following: <ul style="list-style-type: none"> ▪ Scholars who are selected through National Eligibility Tests – UGC NET including lectureship (Assistance Professorship) and GATE. ▪ The selection process through National Level Examinations conducted by MHRD and its Agencies and Institutions such as UGC/IIT/IISc/IISER/IIT etc. | 1st and 2nd Year: Rs. 31,000/- 3rd to 5th year: Rs. 35000*/- (*The fellowship is awarded based on external assessment after completion of two years). |
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Note: The age limit for the financial assistance is as per the rules and regulations of the Govt. of India.

4.2 Selection Procedure:

- Eligible candidates possessing the minimum educational qualifications and satisfying additional criteria set by the institute from time to time only will be called for test and/or interview.
- Based on the academic record and the performance of the candidates in the test and/or interview, the selection committee will finalize the names of candidates for admission to the Ph. D. programme.
- The syllabus for the test is same as that of the GATE-2020 syllabus.

4.3 Fee Structure:

The Fee structure for the Ph. D. Programme is given in Annexure 'B'.

4.4 No TA/DA will be paid for attending Exam and Interview for Ph. D. programme.

4.5 Completing the Qualifying Degree and production of Provisional Certificate:

Candidates joining Ph. D. programme in September 2020 semester have to submit their original mark / grade sheets along with provisional certificates at the time of admission.

4.6 Application Procedure:

- Interested and eligible candidates shall forward their application in the prescribed format along with self-attested copies of their GATE score card, Educational and Experience certificates, online Fees payment receipt in an envelope super-scribing of “**Application for Ph. D. Admission in the Department of _____**” to the following address.

Postal address:

The Registrar (I/c),

*Indian Institute of Information Technology Design and Manufacturing, Kurnool
Jagannathagattu, Dinnedavarapadu, Kurnool-518007, Andhra Pradesh.*

- Application Fee:
 - a) Gen / OBC candidates: Rs. 500/-
 - b) SC / ST / PwD candidates: Rs. 250/-Candidates need to pay application fee only through online mode and procedure is given in Annexure 'C'. Application fee once paid is non-refundable.
- Shortlisted candidates qualified for the Interview need to submit the following applicable self-attested documents and original certificates are to be produced for verification on the day of test/Interview:
 - a) Copies of all Mark sheets/grade cards, degree certificates beginning from SSLC towards proof of qualification with Original certificates.
 - b) Copy of Community Certificate in the case of SC / ST / OBC / Economically Weaker Section (EWS) candidates issued by the competent authority of respective State Government.

- c) Authorized Doctor's Certificate with disability descriptions in the case of Person with Disabled (PwD) candidates.
- d) Copy of GATE score or UGC - JRF / NET / CSIR / DAE-JEST or other fellowship award.
- e) Copy of proof of Experience certificate, if any.

4.7 Reservation of seats:

Reservations are applicable to SC / ST / OBC / Economically Weaker Section (EWC) and candidate with Physical Disability (PwD) as per the rules and regulation of the Govt. of India.

IMPORTANT DATES

| | |
|--|--|
| Web notification of the PhD Advertisement and the Application Registration process starts on | 09-July-2020 |
| Last date for the receipt of Application forms (by speed post only) | 12-August-2020 |
| Web notification of the short-listed candidates for test and/or Interview | 18-August-2020 |
| Tentative dates of test and/or interview (for short listed candidates) | 27 th to 31 st August 2020 |
| Announcement of Results | First week of September 2020 |
| Last date for the seat confirmation and fees payment for the first semester (selected candidates only) | 11-September-2020 |
| Commencement of the Academic session | 21-September-2020 (Tentatively) |

For Any queries, the applicants can drop a mail to: phdadmissions@iiitk.ac.in

Annexure-A

Tentative Research Areas

| Department | Broad Research Areas |
|--|---|
| Computer Science and Engineering | Cloud Computing, Graph Theory, Graph Algorithms, Big Data Analytics, Data Science, Computer Networks, Internet of Things, Artificial Intelligence, Machine Learning, Social Media, Wireless Sensor Networks, Computer Vision. |
| Electronics and Communication Engineering | VLSI for Signal Processing, VLSI for Information Security, Bio-sensors, Bio-medical Instrumentation, Electrical drives |
| Mechanical Engineering | Smart Manufacturing, Industrial Process Modelling and Simulation with Data-Driven approaches, Robotics and Autonomous System |
| Mathematics | Mathematical Control Theory and its Applications, Ill-posed Operator Equations, Inverse Problems |
| Physics | Condensed Matter: Theory and Computation |

Annexure-B

FEES PARTICULARS

| Description | Ph.D. |
|--|--------------|
| I. Institute Fees | |
| A. One-time Fees: | |
| Admission Fee | 500 |
| Certificate/Thesis Fee | 1500 |
| Student welfare fee | 1000 |
| Infrastructure Development Fee | 1000 |
| Alumni Life Membership Fee | 500 |
| Publication Fee / Library Fee | 1500 |
| Cultural Fee | - |
| Total (A) | 6000 |
| | |
| B. Semester Fees: | |
| Tuition Fee | 24000 |
| Examination Fee | 500 |
| Registration Fee | 500 |
| Sports Fee | 1000 |
| Medical Fee | 1000 |
| Student Amenities Fee | 3000 |
| Internet Fee | 500 |
| Total (B) | 30500 |
| | |
| C. Medical Insurance Premium | 500 |
| | |
| Grand Total [A+B+C] | 37000 |
| | |
| II. Hostel Fees & Mess Charges per semester | |
| Hostel Admission fee | 700 |
| Hostel Seat Rent | 3500 |
| Hostel Maintenance Charges | 9000 |
| Dining charges – Advance | 14000 |
| Establishment Charges | 1000 |
| Development Fee | 1000 |
| Total | 29200 |
| | |
| Hostellers (I & II) | 66200 |

PROCEDURE FOR ONLINE PAYMENT OF APPLICATION FEES

- GO TO: <https://www.onlinesbi.com>
 - Select “**SB Collect**”
 - Accept Terms & Conditions
 - Proceed
 - Select State – Andhra Pradesh
 - Select type of institute - Educational Institutions
 - Go
 - Drop down - PICK UP “**IIT Design and Manufacturing**”
 - Submit
 - Select Payment category
 - Ph.D. APPLICATION FEE
 - Fill the details
 - Select Payment Category
- (Rs 500/- for GEN/OBC and Rs 250/- for SC/ST/PwD Candidates)**
- Proceed

- Take print of online receipt and enclose it along with filled application