

Indian Institute of Information Technology  
Design and Manufacturing Kurnool



# Information Brochure

## Ph.D. Admissions

## June 2026 Session

**Department of Sciences**  
**(Mathematics, Physics & English)**

### A Brief about the Department:

The Department of Sciences has three divisions: Mathematics, Physics, and English. Department of Sciences offers Ph.D. Programs on emerging topics in Mathematics, Physics, and English. Please visit the faculty research profiles: <https://iiitk.ac.in/Department-of-Sciences/page>

### Research areas:

**Mathematics:** Numerical solution of partial Differential Equation, Singular Perturbation Problem, Algebraic coding theory, Numerical methods for Ordinary Differential Equations and Partial Differential Equations, Linear Algebra, Spectral Graph Theory, Combinatorial Matrix Theory Multiplicative Lie rings and Groups,

**Physics:** Computational Condensed Matter Physics, Machine learning for materials Science, Physics and chemistry Quantum Computing & Quantum Information, Quantum Materials, Solar Cells, Industrial Wastewater Treatment, Magnetic materials, Skyrmions, Nano materials, Nano scale materials, for energy applications, Photonics: Fiber Optic Sensors, optoelectronic device, Photonic crystal Fiber sensors.

**English:** English Language Teaching, English Literature and Linguistics

### Eligibility Criteria for Full-Time Ph.D.:

#### Applicants holding Master's degree:

- **Minimum Education Qualifications:** Applicants with a postgraduate degree (M. Tech. / M.E. / M.Sc. /M.S. (Research) or equivalent) in a relevant branch/specialization from any institute with a CGPA of 6.5/10 or 60% for UR/OBC/EWS category and CGPA of 6.0/10 or 55 % for SC/ST/PwD category.
- **Screening and Selection:** Entrance Test\* and/or Interview. (\* based on the number of applications received)

#### Direct admission to PhD with Graduation (B.E. / B. Tech. /B.S.):

##### Minimum Education Qualifications:

- Applicants with a Bachelor's degree (B. Tech. / B.E. / B.S. or equivalent) in a relevant branch/specialization from any CFTI with a CGPA of 7.5/10 or 70% for UR/OBC/EWS category and CGPA of 7.0/10 or 65 % for SC/ST/PwD category. (**GATE Qualification is not Mandatory**)
- Applicants with a Bachelor's degree (B. Tech. / B.E. / B.S. or equivalent) in a relevant branch/specialization from any **non-CFTI** with a CGPA of 7.5/10 or 70% for UR/OBC/EWS category and CGPA of 7.0/10 or 65 % for SC/ST/PwD category. (**GATE Qualification is Mandatory**)
- **Screening and Selection:** Entrance Test\* and/or Interview. (\* based on the number of applications received)
- In cases where the candidates are directly admitted to the PhD programme in Engineering /Sciences with a Bachelor's Degree in Engineering/Technology, the scholar should successfully complete prescribed courses (Coursework) with a minimum of 24 Credits.

### Eligibility Criteria for Part-Time Ph.D.:

#### Educational Qualifications:

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

**Essential experience:** (Candidates should satisfy **any one** of the below-mentioned criteria)

Permanent employees who can submit “No Objection Certificate” (NOC) from their employer and are working in the cadre equivalent to Scientist-C/Assistant Professor/Lecturer in Government R&D laboratories /Government organizations / Government industries/ PSUs / State Govt. Undertaking with at least three years of experience are eligible.

(OR)

Permanent/ Regular Employees from Private organization /Industries/Education Institutions with R & D facilities (i.e., established at least five years before the last date of applying for PhD (Part-time) admission as per the advertisement) with membership in CII/ ASSOCEM or any other equivalent membership having at least three years of experience are eligible.

(OR)

Permanent employees of IIITDM Kurnool, having at least 3 years of experience.

### Screening and Selection:

- a) Respective Departments will conduct the shortlisting and selection process.
- b) Eligible candidates possessing the minimum educational qualifications and satisfying additional criteria set by the institute from time to time only will be called for the written test and/or Interview.
- c) **An entrance examination shall be conducted for all the applicants (Full-Time and Part-Time) who do not have GATE or NET qualification.**
- d) The syllabus for the written test and/ or Interview is **GATE 2026 syllabus in respective subject.**
- e) **Applicants with a valid GATE or CSIR/UGC-NET qualification will be directly eligible for the interview.**
- f) The question paper for written exam will consist of 50 MCQ based on the GATE/NET syllabus.
- g) Each question will carry 2 marks, with a negative marking of 0.5 marks for every incorrect answer.
- h) The cut-off marks shall be determined in line with the GATE 2026 standards.
- i) The exam will be conducted either in CBT (Moodle) mode or offline based on number of applications.
- j) Based on the academic record and the performance of the candidates in the written test and/or Interview test, the selection committee will finalize the applicants for admission to the Ph.D. programme.

### Research areas for Ph.D. admissions under Full time/Part time:

Name of the Department	Ph.D. Category	Broad Research Areas
Department of Sciences (Mathematics)	Institute Fellowship (Full-Time)	Numerical Analysis, Algebra and Coding Theory, Numerical methods, Functional Calculus, Combinatorial Matrix Theory, Spectral Graph Theory and Linear Algebra.
	Part-Time	Algebra and Coding Theory, Numerical methods and Functional Calculus.
Department of Sciences (Physics)	Institute Fellowship (Full-Time)	Computational and Quantum Condensed Matter Physics, Quantum Computing, Quantum Information Theory, Solar Cells, Renewable Energy Devices, Quantum Materials, Industrial Wastewater Treatment, Magnetic Materials, Magnetism, Experimental Condensed Matter Physics, Nano-scale materials for energy applications, Hydrogen Fuel Production, Supercapacitors, Ion matter interaction, Surface & interface engineering via ion beam for solar to hydrogen production,

		Single photon emission and resistive memory application.
	Part – Time	Computational and Quantum Condensed Matter Physics, Quantum Computing, Quantum Information Theory, Magnetism, Magnetic Materials, Photonics, Fiber Optic Sensors, optoelectronic devices, Ion matter interaction, Surface & interface engineering via ion beam for solar to hydrogen production, Single photon emission and resistive memory application.
	Project	<b>ISRO RESPOND BASKET 2024</b> Project Title: “Design and Development of Fibre optic based Vibration Measurement Structural Health monitoring system with signal conditioner”
Department of Sciences (English)	Institute Fellowship (Full-Time)	English Language Education and English Literature.
	Part–Time	English Language Education and English Literature.

### Research Laboratories

1. Catalytic Materials for Renewable Energy (CMRE)
2. Laboratory of Magnetism & Novel Magnetic Materials (LMN)
3. Functional Nanomaterials Laboratory (FNL)
4. Computational Condenser Matter Laboratory
5. Optics & Photonics
6. Language Laboratory.

Online application portal link: <https://iiitkadm.samarth.edu.in/>

Scan for Online Application:



### Bank Account Details and Payment QR Code:

Account Name: IIIT DESIGN AND MANUFACTURING  
Account Number: 37806955974  
IFSC Code: SBIN0064655  
Branch: IIITDM KURNOOL CAMPUS.

yono SBI | SBI Payments

MERCHANT NAME: IIIT DESIGN AND MANUFACTURING  
UPI ID: 37806955974@SBI

SCAN & PAY

EHIM SBI Pay  
EHIM UPI

### **Important Dates:**

Web notification of the Ph.D. Advertisement	8 <sup>th</sup> April 2026
Online application registration process start date	13 <sup>th</sup> April 2026
Last date for the submission of online Application form	17 <sup>th</sup> May 2026
Notification of shortlisted candidates for Interview/ Written Test	20 <sup>th</sup> May 2026