



Indian Institute of Information Technology  
Design and Manufacturing Kurnool

# Information Brochure

**Ph.D. admissions**

**January 2025 Session**

**Department of  
Electronics and Communication Engineering**

### About the Electronics and Communication Engineering department:

The department of Electronics and Communication Engineering is pioneering in engineering education by incorporating the fields like Design and Manufacturing concepts as a unique in its nature. The Institute promotes the multidisciplinary teaching of engineering courses by incorporating the subjects like Product Design and practice, Design, Manufacturing and Prototyping, Projects along with internships in all the programs of the department.

For more detail, visit dept. page: <https://iiitk.ac.in/Electronics-and-Communication-Engineering/page>

### Vacancies:

Full-Time:		Part-Time:	
Institute Fellowship (HTRA)	4	Vacancies for applicants from Industry/R&D labs	6
Sponsored Project	4	Vacancies for applicants from Academia	2

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

#### (a) Applicants holding Master's degree:

- M. Tech./M.S. (Research) degree in Engineering/Technology in appropriate branch of study from any CFTI with a minimum CGPA of 7.5/10.0 or 70% aggregate of marks at both UG and PG.
- M. Tech./M.S. (Research) degree in Engineering/Technology in appropriate branch of study with a minimum CGPA of 6.5/10.0 or 60% aggregate of marks at both UG and PG for UR/OBC/EWS category and at least CGPA of 6.0/10 or 55% aggregate of marks at both UG and PG for candidates under SC/ST/PWD category. (**GATE Qualification Mandatory**).

#### (b) Applicants holding Bachelor's degree:

- B. Tech. degree holder of any CFTI with a minimum CGPA of 7.5/10 or 70% aggregate marks.
- B. Tech. degree holder of any CFTI with a **valid GATE score** and with a minimum CGPA of 7.0/10 or 65% aggregate marks for UR/OBC/EWS category and minimum of 60% aggregate marks or 6.5 CGPA for candidates under SC/ST/PWD category.
- B. Tech. degree with **valid GATE score** and at least CGPA of 7.5/10 or 70% aggregate of marks under UR/OBC/EWS category and at least CGPA of 7.0/10 or 65% aggregate for candidates under SC/ST/PWD category.

### 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.

Note: For engineering departments, candidates with B.Tech. /B.E. degree may also be considered, if the candidates have at least 6 years of experience with proven track record of research experience.

**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.

### Specializations:

Name of the Department	Ph.D. Category	Broad research areas
Electronics and Communication Engineering	HTRA (Full-Time)	<ul style="list-style-type: none"> <li>Communications, VLSI, Embedded Systems, Digital Signal Processing, Instrumentation, Antennas, Power Electronics, Photonics, and other related areas of Electronics and Communication Engineering</li> </ul>
	Part - Time	<ul style="list-style-type: none"> <li>Communications, VLSI, Embedded Systems, Digital Signal Processing, Instrumentation, Antennas, Power Electronics, Photonics, and other related areas of Electronics and Communication Engineering</li> </ul>

### 5. For Ph.D. admissions under Sponsored Project:

S.No	Title Of The Project	Sponsoring Agency	Pi/Co-Pi/Ci/Co-Ci	Duration of The Project	Number of Vacancies	Area Of Research
1	Swayaan “Capacity Building For Human Resource Development In Unmanned Aircraft System(Drones And Related Technology)”	Meity,	Eswaramoorthy K V, Department Of Ece Dr. Krishna Naik K , Department Of Ece Dr. Sathyababu K, Department Of Cse	Five Years Starting From 29-07-2022	2	Uas, Guidance Navigation And Control, Artificial Intelligence, Power Electronics
2	Instruction-Data Level Parallelism Based Hardware Accelerator Design In Hpc And Cps Applications	Meity,	Ma Basiri M, Ece,	Five Years Starting From 11 July 2023	2	Vlsi, Embedded Systems, Computer Architecture

## Infrastructure and Research Facilities:

The Department has established the following laboratories to meet all the requirements of the programs being offered. Every course is being taught in the classrooms and laboratory with concept-based experimentation along with theoretical concepts.

- VLSI and Digital Signal Processing Lab
- Embedded Systems -IoT Lab
- Electrical Drivers and Instrumentation Lab
- Drones Lab- Institutional Project
- 5G Usecase Laboratory- Institutional Project
- Microprocessor and Microcontroller Lab
- Antenna and Microwave Lab
- RF and Simulation Lab
- Communications Lab
- Analog Electronics Lab
- Digital Electronics Lab
- Electronic Manufacturing Lab

## Convener/coordinator of Ph.D. admissions and contact details:

- Dr. Yaswanth KNGB, Assistant Professor ; 08518289-181 / [yaswanthkngb@iiitk.ac.in](mailto:yaswanthkngb@iiitk.ac.in)

## Important Dates:

Web notification of the PhD Advertisement	04/12/2024
Online application registration process start date	05/12/2024
Last date for the submission of online Application form	22/12/2024, 11:59PM
Notification of shortlisted candidates for Interview/Written Test	24/12/2024
Tentative dates for Interview/Written Test	30/12/2024
Publication of Final Results	01/01/2025
Last date for seat acceptance and fee payment:	04/01/2025
Reporting to the Institute	09/01/2025