

भारतीय सूचना प्रौद्योगिकी अभिकल्पना एवं विनिर्माण संस्थान कर्नूल

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
DESIGN AND MANUFACTURING KURNOOL**

(An Institute of National Importance under the Ministry of Education, Govt. of India)



NOTIFICATION & INFORMATION BROCHURE

M.Tech. (Self-Financed) Admissions: AY 2024-25



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INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING KURNOOL

ONLINE applications are invited for Admission to M. Tech Programme (Self-Finance) at IIITDM Kurnool starting for the Academic Year: 2024-25

1. ABOUT THE INSTITUTE:

Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kurnool is an Institute of National Importance under the Ministry of Education, Government of India. It is established in 2015, and aimed to become a Centre of Excellence for pursuing Design and Manufacturing oriented Engineering Education and Research domains.

Currently, the Institute is offering four (4) **B. Tech. programmes** in Computer Science and Engineering (CSE), Artificial Intelligence and Data Science (AI&DS), Electronics and Communication Engineering (ECE), and Mechanical Engineering (ME), three (3) **B. Tech Dual Degree Programmes** in CSE, ECE & ME, and six (6) **M. Tech. programmes** in Departments of Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), and Mechanical Engineering (ME). **Ph.D. programmes**, in Science and Engineering departments are being offered, in frontier research areas under the guidance of experienced faculty.

2. PROGRAM OVERVIEW:

- No mandatory requirement of GATE
- Duration of the programme: Four semesters (2-year programme)
- No fellowship for self-financed category
- Admission based on thorough scrutiny process and successful completion of written test. (if any)

3. HIGHLIGHTS:

- Student exchange programme with University of Agder, Norway
- Opportunity for meritorious M.Tech students to upgrade to Ph.D. as per Institute rules.
- Precision manufacturing and measurement facilities
- Specialized laboratories for IoT and Drones
- State-of-the-art facilities for Electronic Systems Design & VLSI
- Internship opportunities under Samsung Innovation Campus
- Supercomputing facilities
- Industry-Academia collaboration with leading R&D labs
- All software & hardware availability in all labs for all programs.

4. INFRASTRUCTURE:

- Dedicated Laboratories and AC Classrooms.
- Sports facilities viz. Cricket, Basketball, Badminton, Table Tennis, Volleyball, Football, and Tennis courts etc. Visit: <https://iiitk.ac.in/Sports-Facilities/page>
- Gymnasium and in-door stadium.
- Health centre with a doctor and pharmaceutical assistant in the campus.
- SBI Bank Branch and Indian Post Office inside the campus.
- **ATM:** Institute has 24X7 ATM (State Bank of India) inside the campus.
- Supermarket, food stalls and Cafeteria.

5. PROGRAMME DETAILS:

The Full-time M. Tech (Self-Financed) Programme is offered in the following Departments:

1. Computer Science and Engineering (CSE)
 - i) M.Tech in Computer Science and Engineering
 - ii) M.Tech in Artificial Intelligence and Data Science
2. Electronics and Communication Engineering (ECE)
 - i) M.Tech in VLSI and Embedded systems
 - ii) M.Tech in Drones and IoT
3. Mechanical Engineering (ME)
 - i) M.Tech in Smart Manufacturing
 - ii) M.Tech in Robotics and Automation

6. Eligibility:

First class with 60% aggregate or 6.5 CGPA in B. Tech/B.E. for GEN/OBC/EWS category and minimum 55% aggregate marks or 6.0 CGPA in B. Tech/B.E. for candidates under SC/ST/PwD category

7. Educational Qualifications and Vacancy Table:

Department	Specialization	Educational Qualification	No. of Vacancies
Computer Science and Engineering	M.Tech in Computer Science and Engineering	B.Tech. or B.E. degree in Computer Science and Engineering, and allied branches	05
	M.Tech in Artificial Intelligence and Data Science	B.Tech. or B.E. degree in Computer Science and Engineering, and allied branches	05
Electronics and Communication Engineering	M.Tech in VLSI and Embedded systems	B.Tech. or B.E. degree in Electronics and Communication Engineering, and allied branches	05
	M.Tech in Drones and IoT	B.Tech. or B.E. degree in ECE, EEE, EIE, CSE, IT, ME, and allied branches	05
Mechanical Engineering	M.Tech in Smart Manufacturing	B.Tech. or B.E. degree in Mechanical Engineering, and allied branches	05
	M.Tech in Robotics and Automation	B.Tech. or B.E. degree in Mechanical Engineering, Electronics, and allied branches	05

8. Selection Procedure:

Stage 1: After receiving the applications, the duly constituted committee will scrutiny all the applications and shortlist the candidates to appear for written test.

Stage 2: The Institute will conduct the written test to all the shortlisted candidates and the details are as follows:

The written test (for 100 marks) comprises two parts:

1. Part A consists of Engineering Mathematics and Aptitude with a weightage of 50 marks.
2. Part B will have three papers to choose either from: CSE/ ECE /ME. Each paper will carry a weightage of 50 marks.
3. The total duration of the exam (Part A & Part B) will be two hours. Detailed syllabus for the Written test is provided in **Annexure I**.

Stage 3: After completion of examination, the duly constituted committee will shortlist candidates based on merit for taking admission into M. Tech. (Self-Financed) Programme at IIITDM Kurnool.

9. Instructions to apply:

1. Application form is to be submitted online which is available at:

Link: <https://admissions.iiitk.ac.in/mtechadmissions/>

2. All the necessary documents are to be uploaded online. The proof of payment of registration fee must accompany the application form.
3. Please note that the application fee is Rs. 500/- for GEN/EWS/OBC candidates and Rs. 250/- for others (SC/ST/PwD).

Link: <https://forms.eduqfix.com/iiitdmmd/add>

4. Other payments like mobile payments (IMPS), NEFT, RTGS and direct transfer will not be accepted. If paid by any chance, it will not be refunded. Do not use mobile applications to make the payment.
5. The candidates who are employed and wish to do M. Tech on self-finance basis under full-time must enclose **NO OBJECTION CERTIFICATE** from the employer. (**Annexure: II**)

10. Important Documents:

Check list of documents to be uploaded along with the application:

- Copy of SSC/Class X certificate in support of Date of Birth.
- Copy of Intermediate/ (10+2) / Class XII certificate.
- Copies of Provisional Certificate / Degree Certificates and Marks Memos of the qualifying examinations.
- No Objection Certificate from the employer, if employed (Annexure-II).
- Relieving certificate from the employer (at the time of admission) (if any).
- Photograph on application form.
- Copy of the Grade/Rank Card of GATE, if any.
- Fee payment receipt with transaction number.

11. Important Dates:

Announcement of inviting Applications:	17 th May 2024
Last date to receive applications:	16 th June 2024
Announcement of shortlisted candidates for Written Test:	19 th June 2024
Date of Written Test:	3 rd July 2024
Announcement of Results:	4 th July 2024
Last date for seat confirmation and fee payment:	8 th July 2024
Reporting to the Institute:	15 th July 2024

12. Fee Structure:

No. HITK/Acad./M.Tech Fee Structure/2024-25/

Date: March 14, 2024

M. Tech (Self-Finance) Fee Structure for the AY 2024-25

Tuition Fee (in Rs)	I Semester		II Semester		III Semester		IV Semester	
	Open & OBC	SC & ST	Open & OBC	SC & ST	Open & OBC	SC & ST	Open & OBC	SC & ST
1 Tuition Fee	61,000	61,000	61,000	61,000	73,000	73,000	73,000	73,000
Total (1)	61,000	61,000	61,000	61,000	73,000	73,000	73,000	73,000
2 Other Fee[#]								
a) Internet & ICT Fee	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
b) Library Fee	1000	1000	1000	1000	1000	1000	1000	1000
c) Student Activity Centre Fee	250	250	250	250	250	250	250	250
d) Student Technical Activities	250	250	250	250	250	250	250	250
e) Examination Fee	500	500	500	500	500	500	500	500
f) Medical Insurance & PHC	2000	2000	2000	2000	2000	2000	2000	2000
g) Sports Fee	2250	2250	2250	2250	2250	2250	2250	2250
Total (2)	7,450	7,450	7,450	7,450	7,450	7,450	7,450	7,450
3 One Time Fee								
a) Admission Fee (Registration Fee, Certificate Fee, ID card Fee, Convocation Fee, Alumni Association Fee)	5,000	5,000	-	-	-	-	-	-
b) Caution Money (Refundable) [*]	2,500	2,500	-	-	-	-	-	-
c) Institute Development Fee	5,000	5,000	-	-	-	-	-	-
Total (3)	12,500	12,500	-	-	-	-	-	-
4 Hostel Fee								
a) Hostel Admission Fee	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
b) Hostel Seat rent	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
c) Hostel Maintenance Charges	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500
d) Hostel Development Fee	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
e) Dining Charges - Advance [^]	25,200	25,200	25,200	25,200	25,200	25,200	25,200	25,200
Total (4)	40,700	40,700	40,700	40,700	40,700	40,700	40,700	40,700
Grand Total (1 + 2 + 3 + 4):	1,21,650	1,21,650	1,09,150	1,09,150	1,21,150	1,21,150	1,21,150	1,21,150

NOTE: 1. # Other fees may vary from time to time – Semester Wise.

2. * Caution Money is refundable at the time of leaving the institute after deducting dues, if any.

3. ^ Dining Charges -Advance, is subjected to change depending on the Mess contract.

Syllabus for Written Test

Engineering Mathematics

Linear Algebra: Vector space, basis, linear dependence and independence, Linear Transformations, Matrices, determinants, system of linear equations, eigenvalues and eigenvectors, rank, solution of linear equations-existence and uniqueness.

Calculus: Limits, continuity and differentiability; Maxima and minima; Mean value theorem. Integration; multiple integrals, line, surface and volume integrals.

Probability and Statistics: Random variables; Uniform, normal, exponential, poisson and binomial distributions; Mean, median, mode and standard deviation; Conditional probability and Bayes theorem.

General Aptitude

Basic English grammar: tenses, articles, adjectives, prepositions, conjunctions, verb-noun agreement, and other parts of speech Basic vocabulary: words, idioms, and phrases in context Reading and comprehension Narrative sequencing.

Data interpretation: data graphs (bar graphs, pie charts, and other graphs representing data), 2-and 3-dimensional plots, maps, and tables Numerical computation and estimation: ratios, percentages, powers, exponents and logarithms, permutations and combinations, n series Mensuration and geometry Elementary statistics and probability.

Logic: deduction and induction, Analogy, Numerical relations and reasoning Transformation of shapes: translation, rotation, scaling, mirroring, assembling, and grouping Paperfolding, cutting, and patterns in 2 and 3 dimensions.

CSE

Computer Organization and Architecture, Programming and Data Structures, Algorithms, Theory of Computation, Compiler Design, Operating System, Databases, Computer Networks.

ECE

Circuit Analysis, Signals & Systems, Electronic Devices, Analog and Digital Circuits, Analog and Digital Communications, Wireless Communications.

ME

Engineering Mechanics, Strength of Materials.

Theory of Machines: Displacement, velocity analysis of plane mechanisms; dynamic analysis of linkages.

Engineering Materials: Structure and properties of engineering materials. Basic machine tools; single and multi-point cutting tools, tool geometry and materials. Limits, fits and tolerances.

No Objection Certificate

(Should be on the letter head of the employer's organization*)

Ref. No.

Date:

To
The Director,
Indian Institute of Technology Design and Manufacturing Kurnool,
Kurnool – 518008,
Andhra Pradesh

Sub.: No objection certificate for pursuing M.Tech (Self-finance) at IIITDM Kurnool

Dear Sir,

We have no objection if Mr./Mrs./Ms. _____
an employee of our Organization/Institute, if admitted to the M.Tech (Self-finance) in the
Department of _____ at IIITDMK as a
full-time student.

It is certified that he/she has _____ years of service in our Organization/Institute as a
regular employee.

We shall give him/her leave of absence at our Organization/Institute to complete the
course work during his/her M.Tech (Self-finance) at IIITDMK.

Signature and Seal Head of the Organization/Institute

*This form/certificate is required if a candidate is working with an organization.