



भारतीय सूचना प्रौद्योगिकी अभिकल्पना एवं विनिर्माण संस्थान कर्नूल

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

(An Institute of National Importance under Ministry of Education, Govt. of India)  
Jagannathagattu, Dinnedevarepadu, Kurnool-518007, Andhra Pradesh, India

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ADM/M Tech/2023

8<sup>th</sup> August 2023

**Advertisement for SPOT ROUND Admissions in M.Tech. Program (to fill vacant seats after CCMT 2023 Rounds and vacant Self-Finance Seats).**

IIITDM Kurnool is inviting applications for SPOT ADMISSION from GATE 2021/2022/2023 applicants & vacant Self-Finance Seats who have NOT been allotted a seat in any of the admitting institutes.

**1. FULL TIME (with valid GATE)**

**a) Eligibility**

The programme is open to candidates of all categories with Bachelor's Degree in Engineering / Technology or equivalent professional degrees (AMIE, etc.) and having a valid GATE score. Candidates seeking admission to M.Tech. Programme of the Institute shall have to possess a minimum of 60% marks (or a CGPA of 6.5 in 10 point scale) for General/OBC/EWS categories and 55% marks (or a CGPA of 6.0 in 10 point scale) for SC/ST categories in the final qualifying examination. All selected candidates have to produce the certificate with regard to the marks secured in the final qualifying examination on 18-08-2023. Candidates should note that if both CPI/CGPA and percentage are indicated in transcript/marksheet of the qualifying degree then only CPI/CGPA shall be taken into account for determining eligibility. Reservation of Seats is as per Govt. of India rules. OBC (Non-creamy layer) candidates will have to produce certificate and self-declaration statement.

**b) Selection Process:**

Seats will be allotted to the eligible candidates based on the GATE Score (2021/2022/2023) for the M. Tech candidates.

**Merit List Preparation for M. Tech Candidates:**

Merit for seat allotment will be prepared based on the GATE score of the year filled by the candidate. In case of the same GATE score, to resolve and determine inter-se-merit of candidates, following criteria will be used in the stated order.

1. Candidates having GATE score in 2021 will be given preference over candidates having score of 2022, or 2023.
2. Candidates having GATE score in 2022 will be given preference over candidates having score of 2023.
3. If the year of GATE score is the same, then preference will be given to the candidate who has obtained better GATE marks out of 100.
4. In the unlikely event of their year of GATE score and GATE marks out of 100 being the same, preference will be given based on the All India Rank (AIR).
5. In the highly unlikely event of candidates having the same year of GATE score, GATE marks out of 100, and AIR, Date of Birth will be considered.

Elder candidates will be given preference.

## 2. FULL TIME (without GATE)

### a) Eligibility

The programme is open to candidates of all categories with a Bachelor's Degree in Engineering / Technology or equivalent professional degrees (AMIE, etc.). Candidates seeking admission to M.Tech. The programme of the Institute shall have to possess a minimum of 60% marks (or a CGPA of 6.5 on 10 point scale) for General/OBC/EWS categories and 55% marks (or a CGPA of 6.0 on 10 point scale) for SC/ST categories in the final qualifying examination. All selected candidates have to produce the certificate with regard to the marks secured in the final qualifying examination on 18-08-2023. Candidates should note that if both CPI/CGPA and percentage are indicated in the transcript/mark sheet of the qualifying degree then only CPI/CGPA shall be taken into account for determining eligibility. Reservation of Seats is as per Govt. of India rules. OBC (Non-creamy layer) candidates will have to produce a certificate and self-declaration statement.

### Selection Process:

Seats will be allotted to the eligible candidates based on their performance in the written test for the M. Tech candidates.

Any remaining vacant seats following the institute's spot round for GATE-qualified candidates will also be made available for self-financed M.Tech admissions, allowing candidates without GATE qualification to apply.

Candidates of all categories must appear for Written Test. The written test 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 from: CSE, ECE, and ME. Each paper will carry a weightage of 50 marks.
3. The total duration of the exam will be two hours. A detailed syllabus for the written test is provided in **Annexure-A**.

Programme Name	Qualification	GATE Paper (not for Self Finance)
M.Tech in Computer Science and Engineering	B.Tech. or B.E. degree in Computer Science and Engineering, and allied branches	CS
M.Tech in Artificial Intelligence and Data Science	B.Tech. or B.E. degree	CS
M.Tech in VLSI and Embedded systems	B.Tech. or B.E. degree in ECE, EEE and allied branches	EC, EE
M.Tech in Drone and IoT	B.Tech. or B.E. degree in ECE, EEE, EIE, CSE, IT, ME, and allied branches	AE, CS, EC, EE, GE, IN, ME, NM, PI
M.Tech in Smart Manufacturing	B.Tech. or B.E. degree in Mechanical Engineering, and allied branches	ME, PI
M.Tech in Robotics and	B.Tech. or B.E. degree in Mechanical	ME, PI, BM,

Automation	Engineering, Electronics, and allied branches	CS, EC
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### 3. DATE of SPOT ADMISSION:

Students who are interested in participating in the Institute Spot Round (ISR), have to report physically to the campus on **18<sup>th</sup> August 2023, at 9.30. a.m.**

#### **The List of Original Documents to be produced at the time of Physical Reporting:**

- a) Aadhaar Card/ Any other Photo ID proof as per Govt. of India norms.
- b) **GATE Score Card (2021/2022/2023)** for M. Tech FULL TIME (with valid GATE)
- c) Document for Proof of date of birth
- d) Mark sheet of Class XII / Diploma certificate and mark sheets in case of lateral entry candidates.
- e) Grade/Mark sheets of qualifying examination for all semesters (Mark sheets of all semesters need to be combined to a single pdf for uploading/ Consolidated Grade (Mark) sheet with all subjects mentioned in it).
- f) Degree/ Provisional certificate. If the result of the qualifying degree is awaited, a certificate of course completion from the institute/university last studied must be provided.
- g) Caste certificate issued by the Govt. of India is mandatory for availing Reservation.
- h) Migration or Transfer or Leaving Certificate issued from the institute last studied/attended.
- i) One passport-size photograph. In addition, you may carry a softcopy of your photograph in JPEG format with a file size less than 120kB
- j) Late submission undertaking form (format given in **Annexure-B**), if necessary.
- k) One set of self-attested photocopies of all the original documents from (a) to (g)

For any further details regarding the programmes and Institute facilities, please mail to [pgadmissions@iiitk.ac.in](mailto:pgadmissions@iiitk.ac.in) or contact at 08518289-111 or 6380420078.

Please visit the below website for more details: <https://iiitk.ac.in/>

Note: The specific vacancies will be announced on August 18, 2023.

**PG Admissions  
IIITDM Kurnool**

## **Annexure-A**

### **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.

## Annexure-B

Date:

To  
The Director  
IIITDM, Kurnool

**Subject: - Undertaking for the late submission of relevant documents/certificates**

Respected Sir,

I \_\_\_\_\_ Son / Daughter of Shri  
\_\_\_\_\_ Resident of village/town/city district of  
State/UT \_\_\_\_\_ have reported to IIITDM,  
Kurnool, through online For M. Tech. admission through Institute Spot Round 2023.

I have not submitted the following \*documents/certificates. I will submit the same by  
30.09.2023.

1. \_\_\_\_\_ 2. \_\_\_\_\_
3. \_\_\_\_\_ 4. \_\_\_\_\_
5. \_\_\_\_\_ 6. \_\_\_\_\_

In case I fail to submit the documents/certificates by date as mentioned above or found ineligible or information provided herein or in Application Form found incorrect at any stage then the Institute reserves the right to cancel my admission automatically. In such an event, I shall be fully responsible for all consequences arising out of such cancellation of admission. IIITDM Kurnool shall not be held responsible in any case. I also know that fee refund rules of the allotted Institute will be applicable in case of cancellation of my admission.

**Signature of the Applicant**

**Name of the**

**Candidate Date:**

\* Not applicable for category certificates