



IRIS

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल

P.O SRINIVASNAGAR, MANGALORE - 575025

MA Call Letter List

M Tech. (Research), 2026 - 27

The following applicants have been selected for written exam and/or interview for the department for the department of Mathematical and Computational Sciences for M Tech. (Research) Programme. The applicants are requested to go through additional information provided in their Call letters.

#	Name	Reference Number	Branch/Specialisation
1	Aman Kumar	MTR2026CD0001	Computational and Data Science
2	Ajit Ashok Singh	MTR2026CD0002	Computational and Data Science
3	DEEKSHA C BHAT	MTR2026CD0003	Computational and Data Science
4	Shubham Mallya	MTR2026CD0004	Computational and Data Science
5	Srijith Santhosh	MTR2026CD0005	Computational and Data Science
6	Chetan Jayathirth Deshpande	MTR2026CD0006	Computational and Data Science
7	ROHAN NEMADE	MTR2026CD0007	Computational and Data Science
8	Amisha Saha	MTR2026CD0010	Computational and Data Science
9	Parmar Aryankumar Kiritbhai	MTR2026CD0011	Computational and Data



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#	Name	Reference Number	Branch/Specialisation
10	Harshita Tripathi	MTR2026CD0012	Science Computational and Data Science
11	Spoorti Basavaraj Badiger	MTR2026CD0014	Computational and Data Science
12	AMARTYA MONDAL	MTR2026CD0015	Computational and Data Science
13	Chaitanya Pitale	MTR2026CD0016	Computational and Data Science
14	Aditya Kumar Jha	MTR2026CD0019	Computational and Data Science
15	Shayan Perwaiz	MTR2026CD0020	Computational and Data Science
16	Rohit Sanger	MTR2026CD0022	Computational and Data Science
17	Lakshman Gowda B K	MTR2026CD0023	Computational and Data Science
18	Satyam Singh	MTR2026CD0024	Computational and Data Science
19	ADITYA MAURYA	MTR2026CD0025	Computational and Data Science
20	NAVANEEL CHAKRABORTY	MTR2026CD0026	Computational and Data Science
21	Sumitra Swain	MTR2026CD0027	Computational and Data



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#	Name	Reference Number	Science Branch/Specialisation
22	Akhil Kanteti	MTR2026CD0028	Computational and Data Science
23	Shreya Singh	MTR2026CD0030	Computational and Data Science
24	Navautsav G	MTR2026CD0031	Computational and Data Science
25	DHUMVAD ABHISHEK RAVINDRA	MTR2026CD0032	Computational and Data Science
26	Anudeep K K	MTR2026CD0035	Computational and Data Science
27	Gaurav Prashant Wasnik	MTR2026CD0037	Computational and Data Science
28	SHUBHAM AWANINDRA KUMAR SINGH	MTR2026CD0038	Computational and Data Science
29	Akshita Baranwal	MTR2026CD0039	Computational and Data Science
30	SUPREETH A	MTR2026CD0040	Computational and Data Science
31	Puneeth A	MTR2026CD0042	Computational and Data Science
32	Manu Viswanath P	MTR2026CD0043	Computational and Data Science
33	garima	MTR2026CD0044	Computational and Data Science



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M Tech. (Research), 2026 - 27

#	Name	Reference Number	Branch/Specialisation
34	HARSHITHA U Y	MA2026D0045	Computational and Data

JRShu 4/5/26

Head Of Department

Mathematical and Computational Sciences

निर्देशक / H.O.D.

ग. एवं प. वि. विभाग / Dept. of MACS

राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक

National Institute of Technology Karnataka

प. ०. सुरत्कल-५७५०२५/Surathkal, Mangaluru-575025

कर्नाटक, भारत / Karnataka, India

Dean Academics



Annexure

Syllabus for M.Tech. Written Aptitude test

Probability and Statistics: Counting (permutation and combinations), probability axioms, Sample space, events, independent events, mutually exclusive events, marginal, conditional and joint probability, Bayes Theorem, conditional expectation and variance, mean, median, mode and standard deviation, correlation, and covariance, random variables, discrete random variables and probability mass functions, uniform, Bernoulli, binomial distribution, Continuous random variables and probability distribution function, uniform, exponential, Poisson, normal, standard normal, t- distribution, chi-squared distributions, cumulative distribution function, Conditional PDF.

Linear Algebra: Vector space, subspaces, linear dependence and independence of vectors, matrices, projection matrix, orthogonal matrix, idempotent matrix, partition matrix and their properties, quadratic forms, systems of linear equations and solutions; Gaussian elimination, eigenvalues and eigenvectors, determinant, rank, nullity, projections, LU decomposition, singular value decomposition.

Calculus and Optimization: Functions of a single variable, limit, continuity and differentiability, Taylor series, maxima and minima, optimization involving a single variable.

Numerical Methods: Solution of algebraic transcendental and polynomial equations, Interpolation, Numerical differentiation, Numerical integration, Numerical solution of ordinary differential equations, Numerical solution of partial differential equations.

Digital Logic: Boolean algebra. Combinational and sequential circuits. Minimization. Number representations and computer arithmetic (fixed and floating point).

Programming, Data Structures and Algorithms: Programming in Python, basic data structures: stacks, queues, linked lists, trees, hash tables; Search algorithms: linear search and binary search, basic sorting algorithms: selection sort, bubble sort and insertion sort; divide and conquer: merge-sort, quicksort; introduction to graph theory; basic graph algorithms: traversals and shortest path.

Database Management and Warehousing: ER-model, relational model: relational algebra, tuple calculus, SQL, integrity constraints, normal form, file organization, indexing, data types, data transformation such as normalization, discretization, sampling, compression; data warehouse modelling: schema for multidimensional data models, concept hierarchies, measures: categorization and computations.

JR Shro 4/5/26

Head of Department

विभागाध्यक्ष / H.O.D.

गणित व वि. विभाग / Dept. of MACS

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National Institute of Technology Karnataka

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