



IRIS

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल

P.O SRINIVASNAGAR, MANGALORE - 575025

**WO 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 Water Resources and Ocean Engineering 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	Vikash Kumar	MTR2026WR0001	Water Resources Engineering & Management
2	Meghana Kashyap	MTR2026WR0002	Water Resources Engineering & Management
3	Pukkella Sri Siva Madhuri	MTR2026GF0001	Geoinformatics
4	SHRI DARSHINI S S	MTR2026GF0002	Geoinformatics
5	SHRI DARSHINI S S	MTR2026MS0001	Marine Structures
6	SHRI DARSHINI S S	MTR2026WR0004	Water Resources Engineering & Management

  
Head Of Department

Water Resources and Ocean Engineering

जल संसाधन एवं महासागर इंजीनियरिंग विभाग  
Dept. of Water Resources & Ocean Engineering  
(औपचारिक रूप से पहले अप्लाइड मेकैनिक्स और हाइड्रॉलिक्स विभाग)

(Formerly Dept. of Applied Mechanics & Hydraulics)

एनआईटीके, सुरत्कल, पी.ओ., श्रीनिवास नगर, मंगलूरु - ५७५ ०२५  
NITK, Surathkal, P.O., Shrinivas Nagar, Mangalore - 575025



## General Instructions for the candidates appearing for the M.Tech. (R) Written Aptitude Test and Interview

1. Syllabus for the written aptitude test is provided in the Annexure.
2. Mode of written aptitude test is offline. The details of examination will be announced in the institute's website (<https://www.nitk.ac.in/>). For any updates, the candidates are informed to visit the Institute's website regularly.
3. There will be 30 Multiple Choice Question (MCQ) for the M.Tech.(R) Written Aptitude test. For every question, four options will be given. The candidates are expected to select the correct option.
4. Each correct answer carries one mark. Total marks for the test is 30.
5. The duration of the test is 60 minutes.
6. The candidates are allowed to use scientific calculators for solving the numerical problems.
7. After the written test the shortlisted candidates will be allowed to attend the M.Tech.(R) interview.
8. **Date and Time of Written Test: 20<sup>th</sup> May 2026 (Wednesday), 11:00 AM- 12.00 Noon. No extra time will be given.**
9. **Date and Time of Interview: 20<sup>th</sup> May 2026 (Wednesday), 02:30 PM Onwards.**

  
Head of the Department

प्रोफेसर एवं प्रमुख Professor & Head  
जल संसाधन एवं महासागर इंजीनियरिंग विभाग  
Dept. of Water Resources & Ocean Engineering  
(औपचारिक रूप से मूल रूप से मशीनरी और हाइड्रोलिक्स विभाग)  
(Formerly Dept. of Mechanical & Hydraulics)  
एनआईटीके सुरत्कल, ए.ओ. सतुमवास नगर, मंगलूरु - ५७५ ०२५  
NITK, Surathkal, P.O., Sutturvas Nagar, Mangaluru - 575025



## Annexure

### Syllabus for M.Tech. (R) Written Aptitude Test

**Engineering Mechanics:** System of Forces, Free-Body Diagrams, Equilibrium Equations; Internal Forces in Structures; Plane Truss, Second Area Moment.

**Solid Mechanics:** Bending Moment and Shear Force in Statically Determinate Beams; Simple Stress and Strain Relationships; Simple Bending Theory, Flexural and Shear Stresses, Uniform Torsion, Buckling of Column.

**Fluid Mechanics:** Properties of fluids, Fluid statics; Continuity, Momentum, Energy equations and their applications; Potential flow, Laminar and turbulent flow; Flow in pipes, pipe networks; Concept of boundary layer and its growth.

**Numerical Methods:** Accuracy and Precision; Error Analysis. Numerical Solutions of Linear and Non-Linear Algebraic Equations; Least Square Approximation, Newton's and Lagrange Polynomials, Numerical Differentiation, Integration by Trapezoidal and Simpson's rule, Single and Multi-Step Methods for First Order Differential Equations.

**Calculus:** Functions of Single Variable; Limit, Continuity and Differentiability; Mean Value Theorems, Local Maxima and Minima.

  
Head of the Department

विभागप्रमुख / HOD  
ज.सं. एवं प.सं. विभाग, जल संसाधन एवं महासागर अभियांत्रिकी  
राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक  
National Institute of Technology Karnataka  
सुरत्कल, मंगलूरु-५७५०२५ / Surathkal Mangaluru-575025  
कर्नाटक, भारत / Karnataka, India