



ME Call Letter List

PhD, 2023 - 24

The following applicants have been selected for written exam and/or interview for the department for the department of Mechanical Engineering for PhD Programme. The applicants are requested to go through additional information provided in their Call letters.

| # | Name | Reference Number | Branch/Specialisation |
|----|--------------------------|------------------|------------------------|
| 1 | Naresh D C | PH2023ME0002 | Mechanical Engineering |
| 2 | Anil Singh | PH2023ME0003 | Mechanical Engineering |
| 3 | Sharanabasava M Hangarge | PH2023ME0004 | Mechanical Engineering |
| 4 | Shrivatsa H Bhat | PH2023ME0005 | Mechanical Engineering |
| 5 | Jayanth Shenoy | PH2023ME0006 | Mechanical Engineering |
| 6 | Sudhir | PH2023ME0007 | Mechanical Engineering |
| 7 | Bishwaranjan Das | PH2023ME0008 | Mechanical Engineering |
| 8 | Midhun R | PH2023ME0009 | Mechanical Engineering |
| 9 | JANGAM BABU | PH2023ME0010 | Mechanical Engineering |
| 10 | KARIBASAVARAJA D | PH2023ME0011 | Mechanical Engineering |
| 11 | Siddartha Behara | PH2023ME0012 | Mechanical Engineering |
| 12 | Kumar Gautam | PH2023ME0013 | Mechanical Engineering |
| 13 | KARTHIKEYAN | PH2023ME0016 | Mechanical Engineering |
| 14 | Sudheer Kini K | PH2023ME0017 | Mechanical Engineering |
| 15 | Anjay Kumar | PH2023ME0018 | Mechanical Engineering |
| 16 | Saurabh S Nair | PH2023ME0019 | Mechanical Engineering |
| 17 | MADHUKARA S | PH2023ME0020 | Mechanical Engineering |



IRIS

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल

P.O SRINIVASNAGAR, MANGALORE - 575025

ME Call Letter List

PhD, 2023 - 24

**Head Of Department
Mechanical Engineering**

Dean Academics

**DEPARTMENT OF MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
Ph.D Selections 2023-24**

Syllabus for the written test

Mathematics: Linear Algebra, Calculus, Differential equations, Complex variables, Probability and Statistics, Numerical Methods.

Applied Mechanics and Design: Engineering Mechanics, Mechanics of Materials. Theory of Machines, Vibrations, Concepts of Mechanical Design

Fluid Mechanics and Thermal Sciences: Basic Fluid Mechanics, Thermodynamic systems, and processes Heat Transfer Applications: Power Engineering: Air and gas compressors, I.C. Engines, Refrigeration and air-conditioning Turbo machinery, Renewable energy.

Materials and Manufacturing: Engineering Materials: Casting, Forming and Joining Processes: Machining and Machine Tool Operations: Metrology and Inspection: Computer Integrated Manufacturing:

Mechatronics and Industrial Automation: Mechatronics system, Instrumentation, Sensors and Actuators, Signal systems and control, Robotics, Modelling of systems.

References:

1. J. Wickert, An introduction to Mechanical Engineering, Cengage Learning India Pvt. Ltd. 3rd edn. 2015
2. Gopala Krishna K.R. Elements of Mechanical Engineering, Subhas Store, 2015.
3. Gupta. P.N., and Poornima M.P., Elements of Mechanical Engineering, 4th Edition, Standard Publications Ltd., 2009.
4. Yunus Cengel & Robert Turner, Fundamentals of Thermal-Fluid Sciences, McGraw-Hill 4th Indian edn 2017
5. Rao P.N. Manufacturing Technology, Volume I and II, 5th Edn., McGraw-Hill 2018
6. Rajendra Karwa, A Textbook of Machine Design, Laxmi Publications, 3rd edn., 2018
7. Godfrey Onwubolu , Mechatronics: Principles and Applications, Elsevier India, 1st Edition., 2006
8. Jiju Antony, Design of Experiments for Engineers and Scientists, Elsevier, 2nd Edn., 2018.
9. Kalpakjian S & Schmid S.R., Manufacturing Engineering and Technology, 7th edn., Pearson Education, 2018
10. Ervin Kreyszig, Advanced Engineering Mathematics, 10th edn., John Wiley and Sons, 2015.
11. Steven Chapra and R. Canale, Numerical Methods for Engineers, MCGraw-Hill 6th edn 2010

All candidates must undergo a written test conducted offline. Date and time of the test 20-06-2023 at 9.00 AM.

Sd/

Head of the Department