NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल
P.O SRINIVASNAGAR, MANGALORE - 575025

IRIS

ME Call Letter List

PhD, 2024 - 25

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	SAHIR P	PH2024ME0002	Mechanical Engineering
2	DEEPAK Y	PH2024ME0003	Mechanical Engineering
3	SATISH CHANAGOND	PH2024ME0004	Mechanical Engineering
4	Shayani S V	PH2024ME0005	Mechanical Engineering
5	Yogesh Bhawarker	PH2024ME0007	Mechanical Engineering
6	HARISHA P	PH2024ME0008	Mechanical Engineering
7	SOURABH TANDON	PH2024ME0009	Mechanical Engineering
8	PRATHEESH KUMAR V K	PH2024ME0011	Mechanical Engineering
9	CHANNAVEERAIAH K M	PH2024ME0012	Mechanical Engineering
10	KILAPARTHI SANDEEP KUMAR	PH2024ME0013	Mechanical Engineering
11	HARSHA VARDHAN U	PH2024ME0014	Mechanical Engineering
12	K MAHADEVASWAMY	PH2024ME0015	Mechanical Engineering
13	DIBYENDU PUSTI	PH2024ME0016	Mechanical Engineering
14	DIBYENDU PUSTI	PH2024ME0017	Mechanical Engineering
15	JITHESH NP	PH2024ME0018	Mechanical Engineering
16	B JAYAPRAKASH	PH2024ME0019	Mechanical Engineering
17	TUBIN MANUEL	PH2024ME0020	Mechanical Engineering
18	CHANDAN C	PH2024ME0022	Mechanical Engineering
19	Naveen Kumar M V	PH2024ME0023	Mechanical Engineering

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ME Call Letter List

PhD, 2024 - 25

#	Name	Reference Number	Branch/Specialisation
20	NANDINI KAUSHIK	PH2024ME0024	Mechanical Engineering
21	Swarup Bakre	PH2024ME0025	Mechanical Engineering
22	DHEERAJ CHANDRA	PH2024ME0026	Mechanical Engineering
23	Puneeth H S	PH2024ME0027	Mechanical Engineering
24	Bhaskar M	PH2024ME0028	Mechanical Engineering
25	AKHIL C	PH2024ME0029	Mechanical Engineering
26	MANJUNATH V B	PH2024ME0030	Mechanical Engineering
27	NEETU SINGH	PH2024ME0031	Mechanical Engineering
28	Pratap Yadav	PH2024ME0032	Mechanical Engineering

10/5/2024

Head Of Department
Mechanical Engineering

Professor & Head
Dept. of Mechanical Engineering
National Institute of Technology Karnataka,Surathkal
Srinivasnagar-575025, Mangalore (INDIA)

Dean Academics

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL
P.O. SRINIVASNAGAR, MANGALURU-575 025

No. PhD/2024-25/E6 **Date: 10-05-2024**

Admit Card/Call Letter

Sub: Ph.D. Programme – Written Aptitude Test and / Interview for the year 2024-25

Dear Applicants (as mentioned in ME Call Letter List)

With reference to your application for admission to PhD programme, you are requested to appear for the written test/interview at the Department of Mechanical Engineering, NITK Surathkal. You must produce all the original records such as Date of Birth Certificate, Degree Marks Cards, Degree Certificates, SC/ST/OBC/EWS certificate (if applicable as per proforma), Person with disability certificate (if applicable), Sponsorship letter (if applicable), Publications (if any) and Conduct Certificate during the test. **Please note that you have to report to the Department of Mechanical Engineering physically by 8.00 AM on May 20, 2024 for document verification before the written test.**

Written Test Date and Time : May 20, 2024 from 9.30 AM onwards
Technical Interview Date and Time : May 20, 2024 from 11.00 AM onwards
The applicants must present Technical Seminar (Power Point Presentation) of about 8-10 minutes on any topic of their choice from the area of their own specialization followed by Q&A Session.

NOTE:

1. Candidates should be prepared to appear for the written Aptitude Test before the technical interview. Fee Structure for PhD programme and Course syllabus for aptitude test are provided on Institute's website, i.e. www.nitk.ac.in. A copy of the syllabus for the aptitude test has been appended below.
2. Full-time/External Registrants - sponsored from Industry or other organizations including Educational Institutions, should have been serving in the sponsoring organisation for a period of at least 2 years after qualifying degree and have to produce a letter from their employer stating that the candidate is deputed for Research Programme (Full time /External Registrant) in the Institute on **full salary** during the study period. The employer should indicate that the candidate will not be withdrawn midway before the completion of the course. (Sponsorship letter should be in the format provided in the Application Form).
3. Candidates who have not submitted marks of final examination along with application form shall produce the same at the time of admission if available. However, candidates who have written final year examinations and yet to obtain final semester mark cards should submit the same on or before **30.09.2024**
4. Your candidature for this test is provisional & is subject to your fulfilling the educational qualifications & other criteria prescribed for the programme as mentioned in Information Brochure, failing which your candidature can be summarily rejected after verification/scrutiny at a later stage.
5. Please keep the Admit Card/Call Letter ready during the test and interview. You are responsible for safe custody of the Admit Card and in the event of any other person using this Admit Card, the responsibility lies on you to prove that you have not used the service of an impersonator.
6. Please note that no expenses shall be payable for appearing in the written test/Interview.
7. The Selected candidates are required to pay fees and get admitted during the period **15th to 19th July, 2024** by physically reporting at the Institute**.**

Sd/ -
Head of the Department

DEPARTMENT OF MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
Ph.D Selections 2024-25

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: 20-05-2024 at 9.30 AM.

Sd/

Head of the Department