



AMRITA
VISHWA VIDYAPEETHAM
DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF UGC ACT, 1956

A Certificate Course on

Industrial Bearings & Failure Analysis



JOINTLY ORGANIZED BY

Tribology and Interactive Surfaces Research Laboratory (TRISUL)
Department of Mechanical Engineering
&
Caravan Reliability Services

7th - 8th AUGUST 2026



TRISUL
Innovating Sustainable Solutions
BearingVisionAI™



CARAVAN
RELIABILITY SERVICES

about



Amrita Vishwa Vidyapeetham is a multi-disciplinary, research-intensive, private university, educating a vibrant student population of over 24,000 by 1700+ strong faculty. With its extensive network of ten campuses spread across Amaravati, Amritapuri, Bengaluru, Chennai, Coimbatore, Haridwar, Kochi, Mysuru, Nagercoil and NCR Delhi (Faridabad), Amrita Vishwa Vidyapeetham stands as one of India's eminent private educational institutions. Renowned for its commitment to academic excellence, Amrita Vishwa Vidyapeetham consistently ranks among the top-tier private universities in the nation, solidifying its reputation as a beacon of quality education. Apart from top ranking in the Amrita Vishwa Vidyapeetham ranked 8th in NIRF 2024 University Ranking. For more details visit: <https://www.amrita.edu>

Tribology and Interactive Surfaces Research Laboratory (TRISUL) was set up with the support of one of its eminent industry partners M/s Mosil Lubricants Pvt Ltd, Mumbai. TRISUL is equipped with high end tribometers which are used to investigate the tribological properties of various materials both from academia and industries. TRISUL works very closely with industries in understanding their tribological problems and helps in finding sustainable solutions.



Caravan contains a professional team of experts with over 25 years of Industrial experience in the field of Bearings, Lubrication, Lubrication systems, Condition monitoring and Bearing damage analysis. Caravan Reliability Services use latest technology to give predictive technical maintenance for the machines. For more details visit: <http://www.caravanreliability.com>



Course Highlights Course Outcomes

- Advanced Bearing Technologies
- Real time case industrial studies
- Live demonstrations of industrial condition monitoring systems
- Live demonstrations of tribometers
- Job prospects in bearing industry (for students)

- Participants will be exposed to industrial bearings and their failures.
- exposed to industrial lubrication systems.
- exposed to industrial condition monitoring systems.
- exposed to trouble shooting for bearings.
- exposed to various wear standards and tribometers.



Content to be Covered

- Bearing technology
- Bearing Maintenance
- Bearing Lubrication
- Bearing failure analysis / Trouble shooting
- Centralized lubrication systems
- Ultrasound condition monitoring
- Laser shaft alignment
- Infrared Thermography
- Tribometers

The Speakers

Mr. Kambley, a Mechanical engineer with 28+ years of hard core Industrial experience in the field of rotating equipment performance. He has vast experience with SKF, CARL BECHEM, LINCOLN HELIOS and BIJUR DELIMON. His expertise includes bearing technology, bearing lubrication, centralized lubrication system and condition monitoring with global exposure in Cement, Pulp & Paper, Power, Mining, Textile, Machine tool, Automotive, Oil & Gas etc. He is a certified Bearing maintenance & technology specialist, Lubrication system champion and Advanced Bearing damage analyst with over 100+ Bearing failure cases resolved and 75+ Trainings delivered to various industry on Bearing technology, Bearing maintenance, Bearing failure analysis.



Mr. Pratap Kambley
CEO, Caravan Reliability Service

Dr. Bhaumik has his Doctoral degree in the area of tribology and is working in various domains of Industrial Tribology past 18 years. Apart from his academic career, his industrial experience with Larsen & Toubro, Klueber Lubrication, Wagner Lubrication exposed him with industrial tribological problems. Presently, he is an Associate Professor in the Department of Mechanical Engineering, Amrita Vishwa Vidyapeetham Chennai Campus, and also, the Centre Head of Tribology and Interactive Surfaces Research Laboratory (TRISUL) at Amrita Chennai Campus.

Dr. Bhaumik has hand-on experience with several wear test rigs and have also designed a couple of them. He has successfully implemented Energy Efficient Lubrication Concept in Real-time applications which has benefited several industries in Energy Savings, resulting in a Huge Payback for the industries. Dr. Bhaumik has published several scientific articles in reputed journals of Tribology and is also an Associate Editor for Part J Journal of Engineering Tribology. Dr. Bhaumik holds a patent in the area of lubricant additive package formulation.



Dr. Shubrajit Bhaumik
Assoc. Prof & Centre Head (TRISUL)

Registration Details

Participants must register using the registration link given below after completing the payment Registration fees (includes 18% GST):

Students (UG/PG/Full-time PhD)	- INR 2950
Academic Professionals	- INR 4720
Industrial Professionals	- INR 12075

Last date of registration - 20th June 2026. Limited seats: 60

Registration link- <https://forms.gle/iTsDNrKq6rt4S3YD6>

Accommodations will be arranged on payment per day per head basis in Guest House/Hostel Room tariffs (includes 5% GST):

Single room with AC only for professionals	- INR 1785
Twin sharing room with AC only for professional	- INR 1470
Single room without AC	- INR 840
Twin sharing room without AC	- INR 1050

Online payment only:

Account Name: **Amrita School of Engineering Allied Activities Account**

Account Number: **500101013468620**

Bank name: **City Union Bank** IFSC - **CIUB0000399**

UPI ID - **EZE0262068@CUB**



**Venue: Amrita Innovation Centre
Amrita Vishwa Vidhyapeetham-Chennai Campus
337/1 A, Vallal RCK Nagar, SH 50A, Vengal, Tamil Nadu 601 103**

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