



# INDIAN INSTITUTE OF TECHNOLOGY INDORE

Department of Metallurgy Engineering & Materials Science

Organizes

7 days active learning and workshop on

**Advances in Mechanical testing of Materials and Failure analysis of Materials**

18<sup>th</sup> April - 24<sup>th</sup> April, 2022

Through Online mode

Sponsored by Science and Engineering Research Board

(KARYASHALA: ACCELERATE VIGYAN SCHEME)



## ABOUT THE PROGRAM

The objective of the program is to widen the technical knowledge of participants in the field of mechanical testing of materials, failure analysis, materials characterization and advanced materials. In addition to technical sessions virtual demonstration/ training sessions for using advanced mechanical testing equipment and materials characterization equipment will also be the part of program. The technical sessions and virtual training includes following topics fatigue behavior of materials, fretting fatigue, creep behavior of materials and testing, high temperature deformation, high strain rate testing, failure analysis sample preparation for TEM, topics on additive manufacturing through fusion based and friction based process.

This active learning and training workshop is designed to have interactive lectures on the topics related to current trends in mechanical testing, failure analysis, materials processing by expert professors and scientist from reputed organization in India .

## WHO CAN APPLY :

- Highly motivated students from any recognized university form India interested to enhance their knowledge in the area of mechanical testing, failure analysis and materials characterization, advanced materials are eligible to apply. (Preference would be given to PG/ PhD students from mechanical, materials, metallurgy, manufacturing, production, automotive / aerospace/ applied mechanics/ physics or equivalent branches of engineering and science).
- Number of participants is limited to 25.
- There is no fee for the registration and participation.

## HOW TO APPLY:

Interested and eligible students can submit their application form online using the link below.

[https://docs.google.com/forms/d/19sOFgO\\_gux\\_-LyLMejXQ9Hoe78i1g65IX7igATgOdn8/edit](https://docs.google.com/forms/d/19sOFgO_gux_-LyLMejXQ9Hoe78i1g65IX7igATgOdn8/edit)

Last date of accepting application: **8.4.2022**, results will be declared on **12.4.2022**.

Certificate: After successful completion certificate will be issued to the participants

## ABOUT IIT INDORE

Indian Institute of Technology Indore (IIT Indore), is an institute of national importance established by the Government of India in 2009. IIT Indore campus, spread over an area of around 500 acre. IIT Indore is equipped with world class research infrastructure, with renewed faculty members. The department of Metallurgy Engineering and Materials Science (MEMS) is functioning full fledged from 2016. The emphasis of the department is to promote multidisciplinary research to find amicable solutions for the real- world problems and work on the cutting-edge research problems that benefits society related to materials.

## COURSE CO-ORDINATOR

Dr. Jayaprakash Murugesan

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If any issues s in submitting online registration form please e-mail to course coordinator.