



# INDIAN INSTITUTE OF TECHNOLOGY INDORE

Department of Metallurgy Engineering & Materials Science

Organizes

7 days active learning and training on

## ADVANCES IN MATERIALS JOINING AND ADDITIVE MANUFACTURING

21<sup>st</sup> August - 27<sup>th</sup> August, 2022

Funded by SERB (DST, Govt. of India)

Sponsored by Science and Engineering Research Board

(**KARYASHALA**: ACCELERATE VIGYAN SCHEME)



Venue: IIT Indore

### ABOUT THE PROGRAM

The objective of the program is to widen the technical knowledge in the field of advanced materials joining, additive manufacturing, failure analysis and materials characterization of additive manufactured components. In addition to technical sessions virtual demonstration/ training sessions for using advanced welding techniques, laser based additive manufacturing, mechanical testing equipment and materials characterization equipment will also be the part of program. The technical sessions , virtual training hands on training includes following topics CMT welding, FSW, Diffusion welding, vaccum brazing, laser welding, laser additive manufacturing, WAAM and etc. This active learning and training workshop is designed to have interactive lectures on the topics related to current trends in materials joining, additive manufacturing through fusion based and friction based process by expert professors and scientist from reputed organization in India .

### WHO CAN APPLY ?

- Highly motivated PG / PhD students from any recognized university from India interested to enhance their knowledge in the area of mechanical testing, failure analysis and materials characterization (preferably from mechanical, material, manufacturing, production, automotive / aerospace/ applied mechanics/ physics or equivalent branches of engineering and science) are eligible to apply.
- Number of participants limited to 25.
- There is no registration fee for the registration and participation.
- For outstation students to and fro train / bus fare (sleeper class) and accommodation will be provided at IITI hostel free of cost.

**How to apply:** Interested and eligible students can submit the online application form given in the link below.

[https://docs.google.com/forms/d/1fa9fmO\\_uOhulyE25tAd\\_X6i5UtnTik1ApVuPjunRFVE/edit](https://docs.google.com/forms/d/1fa9fmO_uOhulyE25tAd_X6i5UtnTik1ApVuPjunRFVE/edit)

**Last date for submitting application : 26.07.2022 (seats are limited, please submit at the earliest).**

**Internship Fee:** The internship is under Accelerate Vigyan **KARYASHALA**., supported by SERB there is **no fee** for the participating students.

**Certificate:** After successful completion all the registered participants certificate will be issued

### 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 problem in submitting online application please write to [jayaprakash@iiti.ac.in](mailto:jayaprakash@iiti.ac.in)/ call :9755611891)