

## REGISTRATION AND CERTIFICATION

- Maximum attendees: 25 (selection based on merit and first come, first serve basis)
- No Registration Fee**
- Online registration form link:  
<https://forms.gle/sQLrf5mkRNKWMFBY6>
- Please fill the above Google form with the requested details and upload the scanned copies of (i) Application Form, (ii) Endorsement cum No Objection Certificate (iii) Degree Certificates with UG/PG Marksheet, (iv) a Copy of the Aadhar Card, and (v) Statement of Research Interest; by **22<sup>nd</sup> May 2023**.
- The applications will be screened, and the candidates will be selected on merit. The selection committee's decision will be final in the selection of candidates.
- The selected candidates will be informed by email on or before **25<sup>th</sup> May 2023**.
- The selected candidates will have to acknowledge participating in the workshop through a return email (**on or before 27<sup>th</sup> May 2023**), failing which the waitlisted candidates may be called to attend the workshop.
- Certificates will be provided to the participants after the successful completion of the workshop.
- Selected participants will be accommodated in Institute guest house/hostel rooms (if available) with catering facilities under the funds approved by SERB (as per norms).
- The participating students will be eligible for TA reimbursement for their journey to the host institute from their hometown/home institute, both ways for the train or bus's lowest fare, as per the GoI norms.

### IMPORTANT DATES

**Last date of registration: 22/05/2023**

**List of selected participants: 25/05/2023**

**Last date to accept the offer: 27/05/2023**

## PARTICIPANTS: ELIGIBILITY CRITERIA

- Only regular PG or Ph.D. students pursuing their degree from AICTE-approved institutions within India are eligible to apply.
- The applicants should produce an Application Form and a "No Objection Certificate (NOC)" from the Supervisor/Head of the Department/ Institute, allowing their student to undergo training in the workshop if selected.

### PATRON

**Dr. (Mrs.) G. Aghila**

**Director, NIT Tiruchirappalli**

### CONVENER

**Dr. C. Sathiya Narayanan**

**Department of Production Engineering, NIT  
Tiruchirappalli**

### ADDRESS FOR CORRESPONDENCE

**Dr. Mallikarjuna, & Dr. Vasu M**

Assistant Professors, Production Engineering  
National Institute of Technology Tiruchirappalli  
Tamil Nadu – 620015

**Email:** [mallik@nitt.edu](mailto:mallik@nitt.edu), & [mvasu@nitt.edu](mailto:mvasu@nitt.edu)

Contact Number: +91- 8310405141, +91-9611604276

**Student coordinators:**

Contact: Mr. Surjeet Singh Bedi :+91-9205174080

Mr. Vaibhav Garg :+91-7239990789



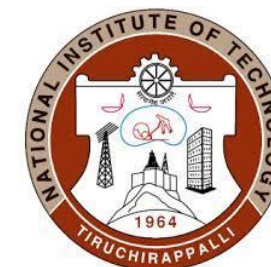
**SERB Sponsored**

**One Week High-End Workshop on**

**Developments in Additive  
Manufacturing: Biomedical, Defence,  
Space, Construction, and Aerospace  
Applications**

**[Physical Mode]**

**(05<sup>th</sup> to 9<sup>th</sup> June 2023)**



### COORDINATORS

**Dr. Mallikarjuna**, Assistant Professor,  
**Dr. Vasu M**, Assistant Professor,  
**Dr.-Ing. M. Duraiselvam**, Professor

### ORGANIZED BY:

**Department of Production Engineering,  
National Institute of Technology  
Tiruchirappalli,  
Tamilnadu-620015.**

## Venue: Department of Production Engineering, NIT Tiruchirappalli

**Accommodation:** A limited number of rooms in NITT Guest houses/Hostels are available on First Come and First Served basis. The host institution shall bear the boarding and lodging within the NITT premise only (from the SERB fund). If unavailable, the participants need to make self-arrangements for their stay outside the NITT premise, which the organizers do not bear.

### ABOUT THE INSTITUTE

National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli is one of the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 undergraduate and 28 postgraduate programs in disciplines spanning engineering, science, architecture, and management. It has been declared as an Institute of National Importance by the Government of India under the NIT Act. NIT Tiruchirappalli retained its No. 1 position among all NITs, 7<sup>th</sup> year in a row in the “India Rankings 2022” released by NIRF. The Institute has signed MoUs with various Industries and Institutions both in India as well as abroad to promote collaborative research and consultancy.

### ABOUT THE DEPARTMENT

The Department of Production Engineering is one of the pioneering departments of the institution that offers the professional practice of manufacturing technology with management science. The department offers B.Tech. in Production Engineering, M.Tech. in Manufacturing Technology and Industrial Engineering and Management, MS by Research, and Ph.D. programs.

State-of-the-art laboratories are available in the areas of Machining, Forming, Welding, Casting, Robotics, CIM, CNC, Mechatronics, Modelling, Simulation, Ergonomics, Tribology, and Additive Manufacturing.

### ABOUT THE KARYASHALA SCHEME

KARYASHALA is a program offered by the Science and Engineering Research Board (SERB), Government of India, via Accelerate Vigyan scheme to boost Research & Development in the country by enabling and grooming potential PG and Ph.D. level students by developing dedicated research skills in selected areas/disciplines through high-end workshops. This program aims to provide opportunities to acquire specialized research skills.

### ABOUT THE WORKSHOP

The motto of this high-end workshop is to bring the academician, national labs, and industry people to share the knowledge to give deep insight into one of the latest and most emerging manufacturing technologies to the PG and Ph.D. students from various institutes in the country. Additive Manufacturing (3D Printing) has many salient features, making it potential technology for aerospace, biomedical, space, civil construction, defense, education, etc. The polymer and metal 3D printers and software available in the department/center of excellence will be useful for hands-on training and enhance students' practical knowledge. Students may go for research in this area. They can select their topic from this area for their Ph.D. They may be involved in product design and development activities. A research activity will be augmented, resulting in lab development, product development, paper publication, patent, etc.

### THRUST AREAS:

Additive Manufacturing – Fundamentals, Design for Additive Manufacturing, AM in Biomedical applications, Computer Aided Process Planning for Wire Arc Additive Manufacturing, Functionally Graded Materials, Additive Manufacturing, Standards, Software for Additive Manufacturing, Computational Modelling of AM processes, Additive Manufacturing in Apparel.

### RESEARCH LAB FACILITY



### RESOURCE PERSONS

Subject experts from prestigious academic institutions (like IITs, NITs, etc.), R&D organizations, and industries will deliver the workshop content. The coordinators and student volunteers will mentor the hands-on sessions.

**Registration Form**  
**Application for High-End Workshop**  
**(KARYASHALA)**

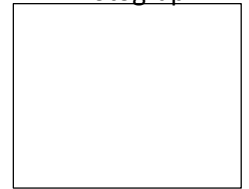
on  
**“Developments in Additive Manufacturing: Biomedical, Defence, Space, Construction  
and Aerospace application”**

(Physical mode)  
(Under the Accelerate Vigyan Scheme – a SERB Initiative)

**5<sup>th</sup> to 9<sup>th</sup> June 2023**

**Department of Production Engineering, NIT Tiruchirappalli, Tamilnadu-620015**

Photograph



Name:

Course (PG/Ph.D.):

Enrolment Number:

Year of Study:

Department:

Institute/University:

Mailing Address:

Mobile:

E Mail:

The above information provided is true and to the best of my knowledge. If, selected, I agree to abide by the rules and regulations of the program.

Signature of Candidate

**Endorsement cum No Objection Certificate from the Head of the Department/ Thesis Supervisor**

(To be given on University/ Institute/ College Letter head)

**This is to certify that:**

1. Mr. / Ms. / Mrs. \_\_\_\_\_, is a bonafide student of our University / Institute / College and will assume full responsibility for actively participating in the **High-End Workshop** titled “*Developments in Additive Manufacturing: Biomedical, Defence, Space, Construction and Aerospace applications*” sponsored by SERB-DST under the Accelerate Vigyan Scheme, scheduled from 5<sup>th</sup> to 9<sup>th</sup> June 2023.
2. The Applicant is a Full-time / part-time student of our University/ Institute/ College and enrolled in M Tech / M.S. / PhD Programme in ..... Department.
3. The candidate has secured \_\_\_\_\_% / CGPA / CPI till date (if applicable).
4. The candidate is currently carrying out research/project as a part of his/her course curriculum and has completed the core courses of the program.
5. The University/ Institute/ College also endorses the conduct of the applicant to be of highest order who bears a good moral character.
6. The University/ Institute/ College has “No-Objection” for the candidate participation during the above said period.
7. The candidate, if selected for participation, shall be duly permitted to participate in the High-End Workshop via physical mode. The University/ Institute/ College may provide the necessary facilitation needed for this purpose.

Date:

Place:

Signature and Seal with name

(Head of the Department/ Thesis Supervisor)