# SERB (KARYASHALA) sponsored High End workshop On

## "Internet-of-thing (IoT) and Artificial Intelligence (AI) and Its Industrial Applications"

**26th June- 2nd July 2023,**
**Mode: Physical**

**Venue at**
**CSIR-Central Mechanical Engineering Research Institute,**
**M G Avenue, Durgapur,**
**West Bengal, 713209**

## "KARYASHALA"

'KARYASHALA' scheme by    SERB (DST), New Delhi aims to provide hands-on experience and knowledge to the PG and PhD students primarily from universities, colleges, academic institutions in understanding the Internet-of-thing (IoT) and Artificial Intelligence and Machine Learning Techniques being used in different industrial applications and acquiring skills for implementation of the same for their own research work/ other services.

## ELIGIBILITY

The scheme is meant to support ongoing PG(M.Tech/M.E./M.S-Pursing)/PhD (Pursing) students who are having a strong orientation towardsscientific and engineering research and are pursuing their degree from University / Institution within India in the fields of Science and Engineering and having an interest in scientific research. The event is only to support/train potential PG (M.Tech/M.E./M.S) and PhD **(Relevant areas: Mechatronics/ Electrical/ Electronics/ Electronics & Tele-Comm./ Robotics/ Computer Vision/ AI or Computer Sc./Applied Electronics/ Instrumentation / Mechanical Engg. or IT)** level students in their endeavors for pursuing a scientific career. This karyashala is primarily for those who do not have the access to such esteemed research environment in their parent institution. Prior programming skills will be beneficial to the candidate.

## Detail about Program

➢ The candidates will learn and gather knowledge about Internet-of-Thing (IoT), Artificial Intelligence, Machine Learning Techniques and Robotics and its industrial applications.

➢ The period of the High end Karyashala/High-end Workshop will be conducted for 7 days.

➢ The candidates would be given tasks/assignments, on which, he/she should work and prepare a report to be submitted.

➢ A certificate regarding successful completion of Karyashala shall be issued to the candidates on satisfactory completion of the event and on submission of the assignment report.

➢ Certificate will be provided to the students after the successful completion of the workshop tenure.

➢ Lectures by eminent experts from IITs/NITs/Govt. Institutes and Organizations will be delivered in the Karyashala.

## ABOUT CSIR-CMERI

CSIR-Central Mechanical Engineering Research Institute (CSIR-CMERI) was founded in February1958 and it is a premier R&D institute under the aegis of Council of Scientific & Industrial Research (CSIR), New Delhi. CSIR-CMERI has been engaged in various R&D activities and skill development programmes.

## HOW TO APPLY

• **Applicant should fill the online form through the below link:**

   **https://forms.gle/9bcSbsaF2RTwWNbHA**

• Applicant must produce a letter of authentication from their Supervisor /Head of the Department / Head of the Institution indicating their association with the Institute and "No Objection Certificate (NOC)" for allowing their student to undergo Karyashala as per the prescribed format.
• **The last date to apply: 31 May, 2023**
• **Notification to selected participant: 7 June, 2023**
  **(Only selected candidate will be informed by email)**
• **The selected candidates will have to acknowledge and accept the offer through return email by 12 June, 2023,** failing which, the candidature will be cancelled.

## Important Notes

➢ There is NO REGISTRATION FEE for the participants.

➢ The event is limited to 25 nos. of PG (M.Tech/M.E./M.S-Pursing)/PhD (Pursing) students only. The work shop will be conducted in physically mode.

➢ Selection will be based on Academic performance and projects completed in the domain which will .

➢ TA, Boarding and lodging expenses for the workshop period will be provided as per KARYASHALA Scheme of SERB, DST.

**Contact : Dr. Ravi Kant Jain, Senior Principal Scientist, and Professor, AcSIR, Design Management and System Engineering (DSME) Group/Micro Robotics Lab, CSIR-CMERI, M.G. Avenue, Durgapur-713209.**
**Email: highendworkshop2023@gmail.com, rkjain@cmeri.res.in, Contact Number: +91-9434082062**