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Press- Release

Department of Mechanical Engineering, IIT (ISM) Dhanbad is organizing workshop titled "High-End Workshop on Intelligent Mobile Hydraulics and Advanced Automation for Improved Motion Control of Off-highway Vehicles" which began today (25th July 2022) and will continue till 30th July 2022.

The Karyashala is an effort to improve research productivity and provide hands-on experience to the motivated PG and PhD students, primarily from universities and colleges, in handling high-end scientific instruments through technology transfer.

Prof. Ajit Kumar, the coordinator of the event said that the workshop aimed to provide in-depth knowledge to the participants in understanding the advanced physics of mobile hydraulics and skill development in fluid power systems required for handling research problems.

Participants during the workshop will be able to explore diverse perspectives related to the design of hydraulic transmission systems used in off-highway vehicles and advanced automation to improve their motion control, enhancing the system's efficiency.

The workshop which was inaugurated today by Director, Honourable Dr Rajiv Shekhar is sponsored by Science and Engineering Research Board (SERB) through Accelerate Vigyan Scheme (AVS), DST, Govt. of India and facilitated by IIT (ISM) Dhanbad.

The workshop of one-week duration will witness dynamic and pragmatic faculties from various IITs/Industries of distinguished disciplines deliver the lectures. Participants from different colleges such as IIT Kharagpur, NIT Trichy, NIT Warangal, MNIT Allahabad, NIT Srinagar, NIT Surathkal, NIT Kurukshetra, KIIT Bhubaneswar, PTU Puducherry, etc. have registered for the workshop.

Speaking during the inaugural session, Rajiv Shekhar, Director, IIT (ISM) who attended the function as the Chief Guest highlighted the importance of intelligent control in off-highway vehicle.

Prof. S. K. Ghosh, HOD, Dept. of Mechanical Engineering addressed the participants and detailed about the department and its achievement.

Prof. Ajit Kumar, the coordinator of the High-End workshop welcomed the participants and discussed about the workshop. He told that hydraulics is a very important part of industrial society and its range lies from off-highway vehicles to Bio-medical devices.

“Hydraulic hybrid vehicles will be imperative in coming future as it will provide the benefit of green energy and high efficiency, both at a time” further said Kumar and added that Not only this but intelligent hydraulic system will be the next-gen technology replacing the mechanical counterpart completely. The workshop witnessed the participants from all around the country.

Rajni Singh



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