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PRESS RELEASE

Students of remote school of Madhupur in Deoghar develop fire fighting drone Army safety and security camp system during the grand finale week of Jharkhand School Innovation Challenge at IIT (ISM)

As Jharkhand School Innovation Challenge (JH-SIC 2023) entered its second day today innovative ideas of students started taking shape in the form of working models.

Describing one of the models Aman Kumar, a Class IX student of Mahendramuni Saraswati Shishu Vidya Mandir, Madhupur, Deoghar said, “Me along with two of my classmates, Anshu Kumar and Roshan Kumar are working on two projects One of Fire Fighting Drones and other of Army Safety and Security Camp System”

Divulging more details, Aman said “The idea to develop the Fire Fighting Drone came in our mind after the incident of a major fire which took place in a school of Deoghar about four five months back” and added that the trio teamed up together and started working on the project about two months ago.

“The entire cost of developing the drone equipped with the water sprinkling system at its base is only around Rs 14000 as we have used the locally available 2200 mAh battery and similar other equipments to carry out power supply to the drone” said Anshu Kumar, another student Madhupur based school and added that the experts here at IIT (ISM) are helping them with technical inputs and logistical supply to turn their idea into reality.

“The infrastructure at the institute is magnificent while the hospitality was beyond our imagination” said Roshan Kumar, 3rd student of the three member team of Madhupur based school.

Ramesh Prasad, Technical Officer of NVCTI who is supervising the project work development of different participating school teams said “the concept of firefighting drone being developed by the team of three students of Deoghar is quite innovative and dedication of team members in shaping their imagination in the form of a project is also quite praiseworthy”

Rajen Dasgupta, Executive Officer of NVCTI said, “The best part of Drone project is that it works of application of Artificial Intelligence”

“Besides the Deoghar team other nine teams, which are participating in the grand finale week that began today are also working on community problem related project like, like DAV Public School Koylanagar team working on Ponds, Rivers Cleaner project; Savitri Devi DAV Public School Namupara, Jamtara working on Automated Accident Detection and Rescue system” said Dasgupta and added that all the ideas are basically ready to be developed on Commercial Scale.

Meanwhile, the visiting students made tours of the different laboratories of the institute and interacted with Saurabh Srivastava, Associate Professor of Department of Mechanical Engineering taking tips regarding the execution of their idea into the form of reality.

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