

For Immediate Release: September 6, 2023

PRESS RELEASE

Young Innovators develop Rivers/Pond Cleaners and Automatic Accident Detection and Rescue System during Jharkhand School Innovation Challenge, JH- SIC 2023

Young innovators congregated at IIT (ISM) to participate in the grand finale week of Jharkhand School Innovation Challenge, JH-SIC 2023 developed a conveyor belt equipped apparatus to clean pond/ river waters and also working on an Automated Accident Detection System.

Giving details, Rajan Dasgupta, Executive Officer of innovation centre of IIT (ISM), Naresh Vashisht Centre for Tinkering and Innovation (NVCTI) said, "The team of three students of DAV Public School, CCL, NTS Barkakana, Ramgarh including, Divyansh Singh, Aryan Kumar Soni and Aditya Singh, all of Class X are working on the Solar Power enabled Ponds/Rivers Cleaner while the team of Savitri Devi DAV Public School Jamtara, comprising of Class XI students Supriyo Roy, Aman Kumar and Anirban Bhatttacharya developed multiple sensor equipped Automated Accident Detection Rescue System.

Explaining the working of Ponds/River Cleaner, Divyansh Singh, Team Leader of DAV Public School CCL NTS Barkakana team said, "The solar power operated pond cleaner which will also be equipped with water treatment plant will float in the water bodies round the clock".

"The conveyor belt attached at the anterior portion of the boat will collect water and send it to the water treatment plant where pure water will be generated while the waster products will be collected" said Pramila Sinha, a teacher of the school who accompanied the students as coordinator during the JH-SIC.

"The greatest advantage of ponds/rivers cleaner over the existing system of pond cleaning is it's cost efficiency as well as lesser human intervention as it will be operated through a mobile app and thus being comparatively safer" said Aditya Singh another member of the group.

Meanwhile , the DAV Public School Jamtara team working on their model of Automated Accident Detection and Rescue system claimed that temperature sensor, alcohol sensor and eye blink sensor can help to detect not only accidents but also case of drunken driving, fire caused in vehicle after the accident or sabotage, driver taking nap while driving etc.

Aman Kumar, one of team member of the Jamtara based schools said, "Sensors fitted in the vehicles will send the signals to the nearby hospitals or police station during the time of accident prompting the authorities to take necessary action".

Notably, altogether 10 teams selected for grand finale that began on September are working on their project and winners of JH-SIC will be awarded during the concluding day on September 9

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