

IIIT Sri City, Chittoor, AP
24-hour Intercollegiate Hackathon
October 7th, 2017 6pm - October 8th, 2017 6pm

Are you passionate about using computers to solve societal problems? The 24-hour **HACKATHON** at IIIT Sri City gives you an opportunity to do so along with attractive prizes!

- First prize: Rs. 6,000
- Second prize: Rs. 3,000
- And many more

Urbanization in India has increased over the decades and accounts for more than a third of its population. However, its infrastructure has not kept pace and its residents lack access to clean water and air, and suffer from health, transportation, security, and other problems. To help in addressing these issues, IIIT Sri City has made 'Smart cities' as its key research area, in tune with 'Smart Cities Mission' (smartcities.gov.in) of the Government.

HACKATHON this year will be focusing on urban water crisis, both in terms of quantity and quality. Since 'what cannot be measured cannot be improved', we will concentrate on designing and demonstrating innovative low cost tools to measure and monitor water parameters with appropriate accuracy. We should be able to measure both supply and demand, gap between them, quality of the water being supplied, energy needed for it, etc. E.g. Rainfall, ground water level, reservoir water level, number of taps, consumption per tap, water quality (turbidity, salinity, etc.), energy consumption, etc. Stakeholders should be able to visualize and analyze the problem and design and implement solutions. Latest IoT and web technologies are making this possible.

During the **HACKATHON**, participants will form 3-6 member teams. Each team will be given a microcontroller (e.g. Raspberry Pi 3), a few sensors, access to the internet, etc. They will need to design, develop and demonstrate innovative solutions to these challenges. They will be mentored by industry experts.

For more details, please write to us at research_expo@iiits.in or call us on 7337 324904, 9100 190811.

Industry experts:

- Dr. Ch. Subrahmanyam, Senior IT Consultant (Celstra Infocom, etc.), Hyderabad
- L Kannan, Entrepreneur (Electro-Mechanical Systems): Vortex, MicroSpin, Skillveri, etc. and Distinguished Alumni, IIT Madras
- K Sundararaman, Senior Telecom Analytics Consultant (Pi systems, etc.), Chennai
- Venkatesh Jagannathan, IoTs and Security, Cognizant, Chennai
- Shemeer Babu, GM-Technology, Azim Premji Philanthropic Initiatives (APPI), Bengaluru
- Anand Krishan, Senior Engineer, Prana Global, Chennai