

IOT CHALLENGE

EVENT DESCRIPTION :

IoT is the next big thing in today's world which can be used to extend Internet into our day to day life and create a physically networked world in which all electronic devices are connected via a wireless network to form a globally intelligent infrastructure.

In this challenge, participants use **IoT** to solve a day to day problem.

FORMAT :

Preliminary Round:

Teams need to submit their **abstract by 22.01.2015**. Abstract must give a detailed explanation of their idea and how they propose to go about their idea step by step with a block diagram. Also analyze the feasibility of your proposed idea in day to day life and why it is better than the existing solutions.

20 teams will be shortlisted based on the abstracts submitted. They will receive Texas Instruments CC3200 Module to work on. The given components must be compulsorily used for the project. Any other component required by you can be purchased by you and used for the final implementation.

Reviews:

Selected teams should update their progress:

First update must be done on or before 06/02/2015

Second update must be done on or before 20/02/2015

(The rate of progress and the consistency of work will also be considered while judging)

Final Round:

Teams should produce a working prototype of their proposed idea and will be judged based on that. This will happen during Pragyan at NIT Trichy.

RULES :

1. Students from any college or university can participate in this competition.
2. There should be a minimum of 2 and a maximum of four members per team.
3. Your team must register for the event at Pragyan 15 Website.
4. Only the selected 20 teams will get the participation certificate.

JUDGING CRITERIA :

The Judging Panel will make their selection based on the content of the Entries and using the following criteria:

- Perceived market opportunity.
- Originality and creativity, including perceived differentiation from competition.
- Technical maturity and viability of proposed approach.
- Proposers' expertise and ability to feasibly create a successful outcome.
- Judges decision is final and cannot be altered.

PROBLEM STATEMENT :

The areas in which **IoT** can be applied are innumerable.

1. Health care
2. Environment
3. Infrastructure
4. Transport
5. Automation (in any field)
6. Energy management
7. Industrial Applications

Participants can choose one of the topics mentioned above, analyze the day to day problems in that area and come up with a solution for the same.

Download report template from the website.

FAQ :

1. Is it maximum of 4 people or strictly a team of 4?

Maximum of 4

2. Are cross-college teams allowed?

Yes

3. Are UG-PG collaboration teams allowed?

Yes

4. Is any registration fee required?

No

RESOURCES :

http://www.tcs.com/resources/white_papers/Pages/Internet-of-Things-Medical-Devices.aspx

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