ESONANCE
2015
EEE, IUT

resonance of engineering innovation

Idea Blowing

COMPETITION GUIDELINES

Organized By:

Department of Electrical and Electronic Engineering (EEE)
Islamic University of Technology

Technical Support:

IEEE IUT Student Branch

IUT Student Branch

Idea Blowing in **ESONANCE 2015** gives a platform to students from all over the country to come up with innovative ideas and share hardware and software projects and designs.

This year the theme of **Idea Blowing** is 'Save Energy, Save the World'.
- Participants focus on solving any real life problem, which can be related with saving energy and power.
- Each participant need to present estimated cost and proper guideline of real life production of their products.

The event will take place on the program day at IUT.

Scopes

In this theme-based competition participants can build and design any hardware or software oriented engineering products or give suitable idea for future products.

Each participant needs to relate their projects/designs on improving the energy efficiency.

Along with projects on energy efficiency on real life situations, participants can also showcase their projects on any innovative product/idea to increase productivity. The scopes (not bounded) are presented by the following categories:

- Robotics
- Embedded system
- Electronic circuits and systems
- Communication systems
- Biomedical systems
- Automation
- Microcontroller based systems
- Mechatronics
- Power systems
- Optical systems
- Intelligent system
- Green Environment

The scopes (not bounded) for software projects are presented by the following categories:

- Mobile applications
- Business software
- Cloud computing
- Smart systems

- Artificial intelligence

- Network security
- Web applications
- Multimedia applications
- Software for electrical and electronic system
- Miscellaneous software and applications

Rules and Regulations

1. Students from schools, colleges and universities (up to undergraduate) can participate.
2. Science club of different institutions can participate with proper approval from the authority.
3. The projects can be hardware, mixed (hardware and software) or system designs.
4. The presented projects must be original, innovative and useful.
5. Projects must be presented by registered groups.

6. Each group can showcase as many projects as they want; however, registration has to be done against each project.
7. Groups must register their projects within the registration deadline.
8. All kinds of registrations (groups and projects) should be done online.
9. Abstract of each project must be uploaded as per instruction during the online registration.
10. After primary screening, selected projects will be allowed for showcasing.
11. Participants must bring their Student ID card on program day for verification purpose.
12. All participating students will receive certificates acknowledging their participation.
13. In all cases, decisions taken by the organizing committee will be final.