



EFFULGENCE '17

10TH 13TH OCT

BEATING THE INVINCIBLES

A techno-management fest



JUNKYARD

BRIEF:

I was interested in big unknowns, and the brain is one of the biggest, so building tools that allow us to regard the brain as a big electrical circuit appealed to me.

- Edward Boyden

This event would test problem solving skills as well as the practical knowledge of participants. Participants would be asked to solve problems and implement the solution on a breadboard.

DETAILS:

This event comprises 3 rounds:

ROUND 1:

This round will test how well you know about basic electronic/electrical components. It is an elimination round. In this round, the teams have to make any running circuit with the given components.

ROUND 2:

You have to implement a fixed number of circuits (the list of circuits will be provided to you at the time of event) under the specified time. Also draw their logic diagram on the booklet.

NOTE: The booklet will be provided to the participants.

ROUND 3:

The 555 IC is an integral part of electronics which is used in a variety of timer, pulse generation and oscillator applications. Your task is to implement a circuit based upon one the applications of 555 IC using relays.

NOTE: All Components and material for the circuit will be provided to the participants on the spot.

RULES:

- Registration can be done on the spot, though it is highly appreciated to register in advance.
- Only teams of **two participants** can participate in this event and both the members should be present at the time of event.
- There is no restriction regarding year and branch for the team members.
- The circuits will be implemented on breadboard.
- Cell phone usage is prohibited at the time of event. If found, the team will be immediately disqualified.
- In case of any ambiguity, event coordinators' decision is final.

NOTE: Sufficient handouts would be provided to students if found necessary.



EFFULGENCE '17

10TH 13TH OCT
BEATING THE INVINCIBLES

A techno-management fest



JUNKYARD

CONTACTS:

Event Co-ordinators:-

Manoj Kumar (Final Year)

Utkarsh Bhatt

+91 – 7068175314

Shubham Pratap Singh

+91 – 9411278889

Akash Sachan

+91 – 9044490669

03akash97@gmail.com

