

# ARRTECH\_UTSAV

2021

---

<b>Department</b>	<b>: Electrical</b>
<b>Name of Event</b>	<b>: Fun with Techoking</b>
<b>No of Participants</b>	<b>: Maximum 4 and minimum 2 participants per team</b>

## Event Description

---

### Material:-

- Bread Board
- 9 volt battery and battery connector
- Slide Switch – 2
- Breadboard connector (wire -4 ,different color)
- 10 k Resistor

### Rules for the Event:-

- 4 Member in each team
- Do not use Mobile during event
- Do not talk with other Team
- Each Round have time limit

## Team Specification

---

- Students from different institutes can form a team for the event.
- Student should carry the valid college identity cards of their respective institute at the time of reporting.
- Switching of team members during the on-going event will not be allowed.
- Use of any kind of help from Google is strictly prohibited.
- Once coordinator verify the teams are not allowed to do any change.

## Level Description

---

### First round: - Fun game snake ladder and group wise Question

- 2 question option wise time limit (30 sec )
- 3 Question are technical/ non-technical , missing alphabet
- Time limit (1 minute )

Stair + 1

Snake -1

### Second round: - electrical symbol identification

There will be 20 symbols which will be displayed on the projector by ppd.

To write its name

### Third Round: - electric ckt design

The ckt must be design and run on the bread board

## Judges:

---

- Four faculty from the Host Institute.

## EVENT NAME – TECHNO-BOAT

<b>Department</b>	<b>: Electrical</b>
<b>Name of Event</b>	<b>: TECHNO BOAT</b>
<b>No of Participants</b>	<b>: Maximum 4 and minimum 2 participants per team</b>

### ❖ DECEPTION

- **ROUND 1 :-**  
QUIZ (ASSUMING NUM OF TEAM 30)
  
- **ROUND 2 :-**  
FIND INSTRUMENT AND MAKING SIMPLE CIRCUIT WITH HELP OF INSTRUMENT  
(FIRST ROUND WINING TEAM 15)
  
- **ROUND 3 :-**  
MAKING BOAT  
(SECOND ROUND WINING TEAM 6)
  
- **ROUND 4 :-**  
BOAT RACE  
(FINALLY BOAT REASING TEAM 4)

### ❖ MATERIAL

1. LED BULB-2
2. BATTERY-1
3. WIRER- 2M
4. SWITCH-3
5. THERMOCAL SIT-2 (8MM-1 AND 10MM-1)
6. A4 SIZE COLOUR PAPER-2 PACK
7. FEVICOL-1
8. BULB -3
9. HOLDER
10. WIRE 2M
11. PALSTICK FOR MAKING BOAT TRACK
12. MOTOR-(3.7 TO 6VOLT)
13. REMOTE CONTROL AND PCB

#### EVENT VOLUNTEER

GANVIT KINJAL- 9512818796  
PATEL VAIBHAV- 8128841119

#### GUIDED BY

PROF. DHARMENDRA PATEL  
PROF. VIPUL VANKAR