

Circuitix

Objective

Make a working hardware as fast as possible

Game play

- Make a team of maximum 5 members.
- You will be provided a working circuit diagram
- Type of the components used will be given either directly by using standard notation or you may get it by solving a puzzle, but its value will not be given directly. To get its value you will have to solve a numerical problem whose answer will be the value of the component.
- Problems may be from any field of basic engineering (like mechanics, basic electronics etc).
- After getting all the values you would have to pick right component from the components provided by organizer. If exact value of the required component is not provided then use its combination to get the value.
- Finally complete the circuit and submit it.
- Bonus Marks will be given for each steps as follow:-
 - In identification process 5 marks for each component. If all the components are identified correctly then 10 bonus marks will be given to the group.
 - In value finding stage 10 marks for each correct value. If all the values are correct then 20 bonus marks will be given.
 - 5 marks will be deducted for each loose connection. 10 bonus marks will be given for compact soldering.
 - If circuit is working then 20 bonus marks will be given.
 - $\text{FINAL SCORE} = \{120 - \text{time taken (in minutes)}\} * 2 + \text{bonus marks}$
- Result will be displayed on the basis of score obtained by the group

