

Event name: Electro extravaganza

About the event:

Circuit components need not always be boring, they can be interesting too. Here, in electroword we test the basic electronic skills through various rounds of quizzes and puzzles. The event consists of three rounds, interested people can participate in groups of two. The most interesting part of our event is **"The Electronic debugger"** which will be an interesting visualization of the circuits where simple logic will fetch the result. The difficulty level of each round will range from easy to a bit tricky (to ensure that event fetches everyone). Detailed description of each round is given further. So all the electronic enthusiasts, be there for the event!

Description:

Round 1: Electroword

This event tests the basic skills of electronic components. A plethora of questions on guessing the components will be posed. Based on that the crossword should be filled. Questions will include a wide range of basic quizzes, electro-riddles and many such interesting ones where the participants need to find the answers and fill the puzzle in stipulated time.

Round 2: Electronic Cricket

Indoor games play a vital role in our busy schedule where we can't spare time to refresh ourselves. The electronic cricket is an interesting game not only for those who love cricket but for also those people who love electronics. The game electronic cricket can be played by a single player. Just by pressing a switch on the circuit any one of the ten LEDs will glow which is the result. This will be compared with the result on the chart and score will be entered in score board. is the game result.

Round 3: Electronic Debugger

Is debugging only for coders? Can circuits be debugged too? To all those people who think so this is the best place for you!! The participants will be given a circuit with some errors where you need to make the necessary corrections and generate the required output. The circuit will be simulated online which will be more interesting and enthusiastic too. There will also be questions where the participant needs to debug the circuit based on the output within the stipulated time. A set of 2-3 circuits will be given to debug where the difficulty will range from the basic circuits to tricky ones.

Stationery requirements:

Crossword puzzle board

Bread boards-2

IC1 = NE555 (Time IC)

IC2 = CD4017 (Decade Counter)

LEDs

Resistors (2) = 10 Kohms

C1 = 0.1 μ F, 50V (Electrolytic Capacitor)

Pens,pencils and papers

Event organisers:

S no	Name	Roll no	Branch	Contact no	Email id
1	V.Sri Kavya	16071A04B6	Ece	9398554695	srikavyavallabhaneni@gmail.com
2	D.Sravani	16071A0475	Ece	812106779	sravani.devineni379@gmail.com

Event volunteers:

Name	Roll no	Branch	Contact no	Email id
Ch Aishwarya	16071A0468	Ece	6281568152	Aishwaryachanda8@gmail.com
G.Ankitha	16071A0462	Ece	8328136189	ankithagudla@gmail.com