

Dr. S. & S. S. Ghandhy College of Engineering & Technology, Surat

National Level Tech Fest

**Tech वर्धनम 23**

**A Report of**

**“CIRCUIT DEBUGGING”**

**1. Introduction of the Event:**

Circuit marks the prior category in the entire electrical world. So the knowledge in designing the circuit is necessary. while designing the circuit, there may be presence of error. So every electrical engineer must have a skill to debug the error in the circuit and also to design circuit. Here is a chance to prove your skills.

**2. Jury Guests Associated with the Event:** NIL

**3. Coordinated by/Organized by:** Electrical Engineering department

**4. Coordinating/Organizing Committee:**

Name	Designation	Event Designation
U.M.PATEL	LECTURER	Faculty Coordinator
DR.S.K.PATEL	LECTURER	Faculty Coordinator
V.R.PATEL	LECTURER	Team Member
P.V.MISTRY	LECTURER	Team Member
RAHUL BAMROTIYA		Student Coordinator

**5. Sponsored by:** \_\_\_\_\_NIL\_\_\_\_\_

**6. Event Flyer:**



## DR. S. & S. GHANDHY COLLEGE OF ENGINEERING & TECHNOLOGY, SURAT



### DEPARTMENT OF ELECTRICAL ENGINEERING

# CIRCUIT DEBUGGING

#### Rules:

- ❖ Solo or Team of two member
- ❖ There will be total three rounds.
- ❖ Diagram will be given.
- ❖ Completion of task within time limit.
- ❖ Components and materials will be provided.
- ❖ Limited entries are allowed.

Faculty Co-ordinator: U. M. Patel and S. K. Patel

Student Co-ordinator: Rahul Bamrotiya (9724218803)

Preet Chaudhari (9265249727)

**Date: 20<sup>th</sup> October, 2023**

**Venue: I.T. Department  
(Room No. 106&110)**

**Registration Fees: Rs. 50**

**Win  
Prices**

For registration



For more information



## 7. Event Rules & Regulations:

### EVENT STRUCTURE

#### 1<sup>ST</sup> ROUND –Elimination Round (20<sup>th</sup> OCT-2023)

- ❖ 20 QUESTIONS will be given.
- ❖ Event duration: 20 minutes
- ❖ Multiple choice questions (only technical based)

#### 2<sup>nd</sup> ROUND- Circuit Design

- ❖ Event duration: 30 minutes
- ❖ Design circuit as per the given circuit diagram
- ❖ If any damage to the given equipment has been made, then that team will be disqualified at a time.
- ❖ Time taken to completion of circuit will be note down

#### 3<sup>rd</sup> ROUND- Circuit Debugging

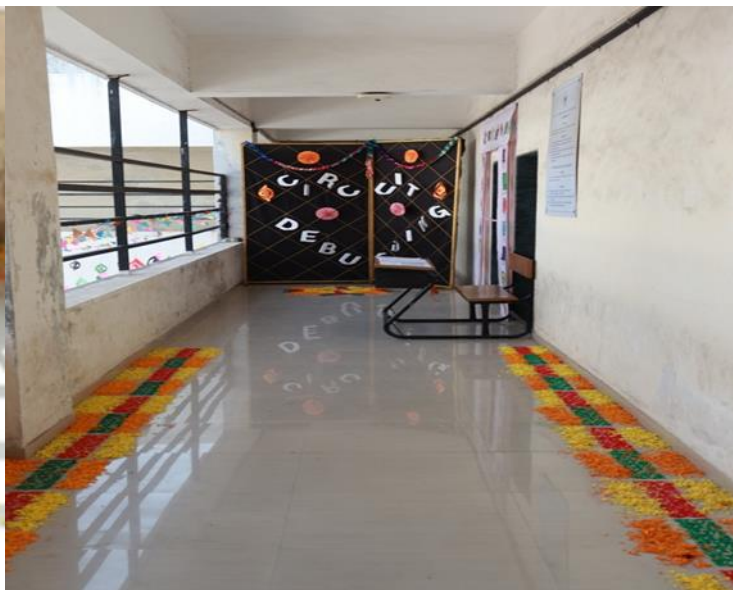
- ❖ Event duration: 45 minutes
- ❖ The circuit debug should be debugged and details are given.
- ❖ Selected students find fault & write in the answer sheet
- ❖ Round will be time based
- ❖ Winner will be declared on 21<sup>st</sup> Oct-2023

### GENERAL RULES:

1. It is both solo event & team event (team -02 group member allowed)
2. Participate must bring their college identity card.
3. All the participate are required to be present at the venue. Before starting of event
4. Mobile will not be allowed.
5. Components and materials will be provided.
6. At the begging of event MCQ test covering basic of electronics circuit, digital circuit, analog circuits.
7. Based on marks score in elimination round, selected teams will move toward the next round is circuit design & circuit debugging.



## 8. Pre-Event Photographs:



## 9. List of Student Participation:

<b>Sr. No.</b>	<b>Name of the Participant</b>	<b>College Name, Place</b>	<b>Branch Name</b>
1	PATEL ATMIY SANJAYBHAI	Dr.S &S.S Ghandhy college	Electrical
2	CHAUHAN PARTH JAGDISHCHANDRA	GOVERNMENT ENGINEERING COLLEGE, SURAT. (DR. S & SS GHANDHY COLLEGE)	Electrical
3	HARSH CHHILLAR	KIET GROUP OF INSTITUTIONS	Other
4	MAKWANA DARSHAN MANHARBHAI	Govt. Polytechnic Gandhinagar	Electrical
5	Pratyush singh/ Mihir	Tapi diploma engineering college	Electrical
6	PATEL SNEHALKUMAR NATVARBHAI	Dr s& s.s ghadhy collage	Electrical
7	CHAUHAN SUJAL SINGH BALRAM SINGH	Dr S & SS Ghandhy college of engineering and technology	Electrical
8	PATEL HARSHILKUMAR BHAVESHBHAI	Dr S&S ghandhy college	Electrical
9	DHWANI NITESHKUMAR LAKUM	GEC SURAT	Electrical
10	Abhay Singh	A.Y DADABHAI TECNICAL INSTITUTE	Electrical
11	1. MUNSHI MO. ZUBER . 2. MAMUJI IRFAN YAKUB	A.Y.DADABHAI TECHNICAL INSTITUTE	Electrical
12	CHAUDHARI SEJALKUMARI RATILALBHAI	Government engineering College	Other
13	SAMARTH A. ROHIT	Chhotubhai Gopalbhai Patel Institute of Technology	Electrical
14	Parmarkrushil	Aydadabhai technical institute kosamba	Electrical
15	Mistry prem	A.Y.Dadabhai.technical institute	Electrical
16	1)Vasava Moxesh	A.Y.DADABHAI TECNICAL INSTITUTE	Electrical
17	Viren parmar	A.Y.DADA BHAI TECHNICAL INSTITUTE KOSAMBA	Electrical
18	Yes	A Y DADABHAI TECHNICAL INSTITUTE	Electrical
19	dhruv Naresh patel	A.Y.DADBHAI TECHNICAL INSTITUTE	Electrical
20	Patel Priyanshi J.	Dr.S & S.S Ghandhi	Civil
21	PATEL KEVIN JITESHBHAI	S.N.Patel	Computer
22	KORAT DHYUV JENTIBHAI	S.N.Patel	Computer
23	PATEL YANEE VIMALKUMAR	S.N.Patel	Computer
24	PARMAR RUTVI ARVINDKUMAR	S.N.Patel	Computer

25	KATRODIYA NAYAN RAMESHBHAI	S.N.Patel	Computer
26	SABHADIYA ANUJ RAJESHBHAI	S.N.Patel	Computer
27	CHODDAVADIYA SNEHAL KANTIBHAI	S.N.Patel	Computer

**10. Inauguration Photographs:**

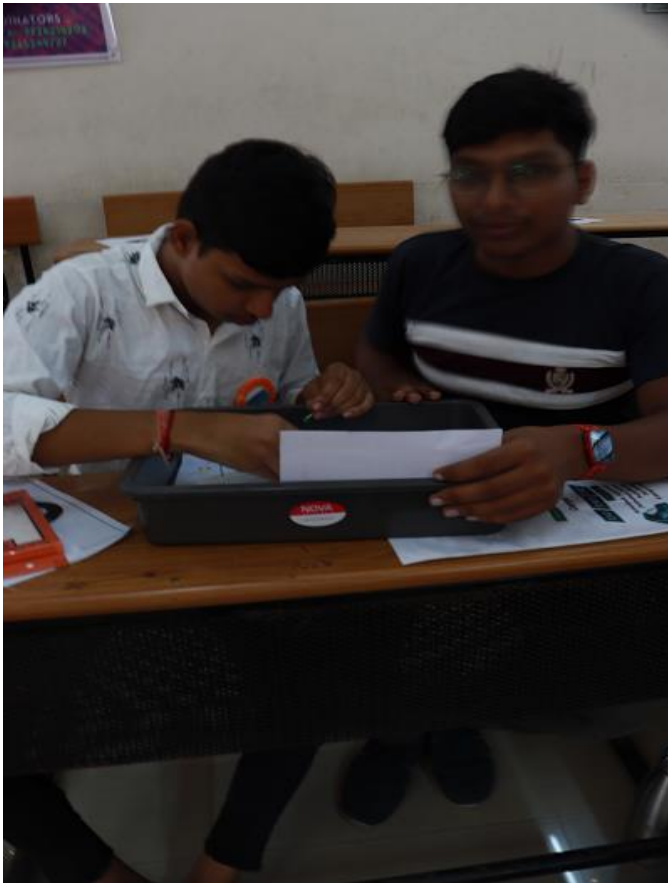




**11. Photographs of Event:  
ROUND-1(QUIZ ROUND)**

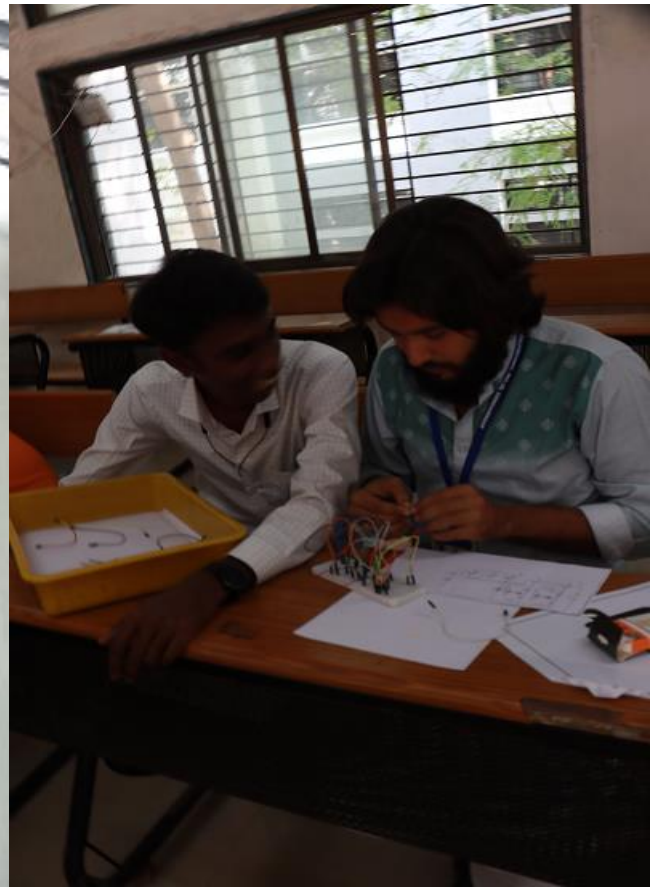


## ROUND-2(CIRCUIT DESIGN)





## ROUND-3 (CIRCUIT DEBUGGING)



## 12. Result/ Winners:

Sr. No.	Name of the Winner	College Name, Place	Branch Name	Rank (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> )
1	CHAUHAN SUJAL SINGH BALRAM SINGH	Dr S & SS Ghandhy college of engineering and technology	ELECTRIC AL	1 <sup>ST</sup>
2	CHAUHAN PARTHJAGDISHCHANDRA NAIK RUSHIKESH SANJAYBHAI	GOVERNMENT ENGINEERING COLLEGE SURAT	ELECTRIC AL	2 <sup>ND</sup>
3	MAKWANA DARSHAN MANHARBHAI QURESHI ABULWAFI RASHIDJAMAL	GOVERNMENT PLOYTECHNIC GHADHINAGAR	ELECTRIC AL	3 <sup>RD</sup>

## 13. Award Ceremony Photographs:



**WINNER**



**2<sup>ND</sup> RUNNER UP**





**3<sup>RD</sup> RUNNER UP**

- 14. Challenges Faced: NILL
- 15. Media Coverage: NILL
- 16. Testimonials (Feedback comments from participants, sponsors, or attendees)

**PARTICIPANTS FEEDBACK**

Overall, how entertaining was the event?	Rate the event in terms of meeting your expectations	Round 1- QUIZ SECTION	ROUND 2- CIRCUIT DESIGNING	ROUND 3- CIRCUIT DEBUGGING	Would you recommend a similar event to a friend?	The Venue Overall, were you satisfied with the venue and were you able to see and hear the presentations clearly?	What problems did you encounter?
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5	5	5	5	5	Yes Definatly	YES	NO
4	4	4	4	4	No never	YES	No problem
5	5	5	4	4	Yes Definatly	YES	NO
5	5	5	5	5	Yes Definatly	YES	No
3	3	2	3	3	May be, if the content was changed	YES	NO
3	3	2	3	5	may be , if it was cheaper	YES	NO
2		2	2		Yes Definatly	YES	NO
5	5	4	5	5	Yes Definatly	YES	NO
5	5	5			Yes Definatly	YES	NO

## VISITOR FEEDBACK

Overall, how entertaining was the event?	Rate the event in terms of meeting your expectations	Would you recommend a similar event to a friend?	The Venue Overall, were you satisfied with the venue and were you able to see and hear the presentations clearly?
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
4	4	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES

5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
5	5	Yes Definatly	YES
2	3	Yes Definatly	YES

### END OF EVENT

