

**Sarvajanik College of Engineering and Technology, Surat**  
**Electronics and Communication Engineering Department**  
Re-accredited by National Board of Accreditation, New-Delhi for 3 years, w.e.f. July 2019



Supported by IETE Surat sub-center

**A Report of “Symposium 2021” under the banner of  
Kshitij 2021**

**Date: 17<sup>th</sup> - 18<sup>th</sup> September, 2021**

**Student Coordinators**

Mr. Dhairya Kapadia  
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**Faculty Coordinator**

Prof. Chintan Panchal

**Head of Department**

Prof.(Dr.) Nehal Shah

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## **About KSHITIJ**

Within the boundaries of SCET, lies an entirely different world-youth, overloaded with talent and infinite imagination awaiting an opportunity to showcase their ideas and creativity to the world. To provide these innovative minds with a platform and keep them as enthusiastic and motivated, the SCET organizes a National Level Tech-Fest-“KSHITIJ”. This has been transforming the society with breakthroughs in technological research and development since last 16 years.

The events organized under the banner of KSHITIJ 2021 are:

- ❖ **Applied Science and Humanities Department**
- ❖ **CHEMCLAVE**(Chemical Engineering Department)
- ❖ **COIN** (Instrumentation & Control Engineering Department)
- ❖ **CONVERSE** (Information& Technology Engineering Department)
- ❖ **NIRMAAN**(Civil Engineering Department)
- ❖ **PARIDHAN**(Textile Engineering Department)
- ❖ **SYMPOSIUM** (Electronics & Communication Engineering Department)
- ❖ **URJA**(Electrical Engineering Department)
- ❖ **UPDATES**(Computer Engineering Department)
- ❖ **VIVACITY**(Master of Computer Application Department)
- ❖ **MOMENTUM** (Mechanical Engineering Department)

## Symposium 2021

“Symposium 2021” organized by Electronics and Communication Engineering Department under the banner of Kshitij at Sarvajani College of Engineering and Technology, Surat, on September 17th and 18th, 2021 via offline mode. Symposium 2021 was supported by IETE Surat sub-center.

Symposium is the annual festival of the Electronics and Communication Engineering department arranged since 1999. The main aim of the event is to make the students aware about technical and non-technical knowledge beyond the regular curriculum. These events are organized by the students, for the students and everyone gets to brush up their leadership and management skills.

These events provide students an opportunity to showcase their technical and non-technical skills and talent..!!

For more details you can visit the Symposium website –

<https://scetsymposium2021.wixsite.com/my-site>



The poster for Symposium 2021 features a dark blue background with a large, colorful triangular graphic on the right side. The graphic is composed of several smaller triangles in yellow, pink, light blue, purple, red, green, and orange, each containing an icon and a text label. The text on the poster includes the Sarvajani Education Society logo, the Sarvajani College of Engineering & Technology logo, the Electronics & Communication Department logo, and the IETE logo. The main title 'SYMPOSIUM 2021' is prominently displayed in white, with the tagline '- CREATING MEMORIES SINCE 1999' below it. The dates 'SEPTEMBER 17-18' are shown in a black box. A QR code is located on the left side. The website URL 'HTTPS://SCETSYMPOSIUM2021.WIXSITE.COM/MY-SITE' is provided. The names and contact information of the Student Coordinator, Faculty Coordinator, and Head of Department are listed at the bottom left.

**SARVAJANI EDUCATION SOCIETY**  
SARVAJANI COLLEGE OF ENGINEERING & TECHNOLOGY  
ELECTRONICS & COMMUNICATION DEPARTMENT  
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**SYMPOSIUM 2021**  
- CREATING MEMORIES SINCE 1999

**SEPTEMBER 17-18**

**ARDUINO-TRONICS**

**FOUNDATION OF GATES**

**FIX ME**

**HIRING CHALLENGES**

**Q.A. EC QUIZ**

**LASER MAZE**

**WISE CLUTCH**

**BRAND MANIA**

**STUDENT COORDINATOR:**  
UNNATI BACHKANIWALA  
(9426810323)  
DHAIRYA KAPADIA  
(7801884206)

**FACULTY COORDINATOR:**  
PROF CHINTAN PANCHAL

**HEAD OF DEPARTMENT:**  
PROF (DR.) NEHAL SHAH

# Introduction and Objectives of Symposium 2021

“Creating memories since 1999”

Electronics and Communication Engineering Department, SCET organized departmental level techno festival “SYMPOSIUM 2021” under the banner of Kshitij-2021 on 17<sup>th</sup> and 18<sup>th</sup> September 2021. It incorporated a profusion of events for the students to shine out their identity in technical as well as non-technical domain!!!

SCET organizes the technical festival, Kshitij – “Anant Gyaan ki Talaash mei” annually since 2002. This techfest is conducted for the students to improve their technical knowledge, managerial skills, groom their personality and explore their innovative and creative abilities.

Symposium has been the flame of knowledge burning since 1999 with the pioneering idea to bridging the gap between the academics and the practical world requirements and also to promote research culture among the upcoming engineers. The main goal of Symposium 2021 could be enlisted as:

- To bridge the gap between industry and academic.
- To squeeze out the inner potential and talent from the budding technocrats thereby providing a platform to reverberate their skills and ideas.
- To provide correct direction to the students of the department and the college for grooming themselves to be compatible with the market, industry and societal requirements.
- To mould the budding technocrats towards the improvement in building team-work, working in group and enhancing the timely managerial skills.

This time **SYMPOSIUM 2021** was organized via **offline mode**. All the events were fully organized which included Quizzes, various Coding challenges, Crossword puzzles, Riddles, Games, and what not. It was a complete package of fun and learning. People were filled with enthusiasm and had a great experience.

Right from team-formation, events selection, registration, poster design, participation and so on, the entire team lived whole-heartedly the moments of Symposium 2021. The theme of Symposium 2021 was “**Creating memories since 1999**”.

There were total 8 events including 4 technical and 4 non-technical events. The information about each event is given in the next section.

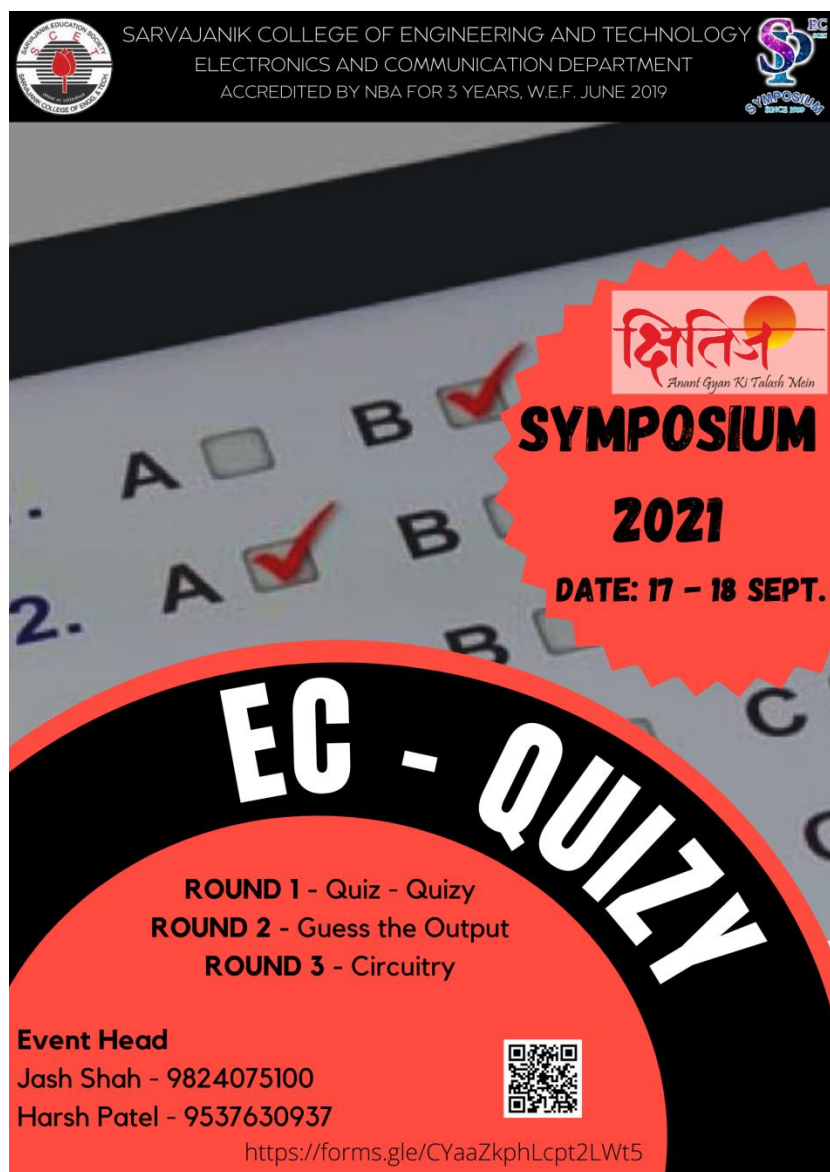
## Glimpse of Inauguration Session



## Technical Events

### EC QUIZY

(Total Number of Participants: - 90)



#### Event details:

Event Heads:

1. Harsh Patel
2. Jash Shah

Duo participation

The event was based on quiz of EC components and analog circuit.

#### Round 1 - Quiz-Quizy

- Two teams will be performing at a time one has to ask the question and other has answer it
- Questions are related to EC components, Full form of technical terminology



## Round 2 - Guess the output

- Guess the output based on given circuit

## Round 3 - Circuitry

- Implementation of circuit based on Analog lab

## Winners

Position	Name	Branch	Year
1 <sup>st</sup>	Aks Patel	EC	3
1 <sup>st</sup>	Nehansh Patel	EC	2
2 <sup>nd</sup>	Vatsal Kheni	EC	3
2 <sup>nd</sup>	Aastha Patel	EC	2
3 <sup>rd</sup>	Disha Diyora	EC	3
3 <sup>rd</sup>	Harsh Bhadani	EC	2



## FOUNDATION OF GATES

(Total Number of Participants: - 96)

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दक्षिण  
Anant Gyan Ki Talash Mein

**SYMPOSIUM**  
**2021**  
**DATE: 17 - 18 SEPT.**

**Foundation of Gates**

**ROUND 1 (1 MIN)**  
Guess the component  
**ROUND 2 (45 MIN)**  
Treasure Hunt  
**ROUND 3 - Surprise Round**

**Event Head**  
Ketasvi Aakoliya - 6353733754  
Kashish Shah - 8141617234

<https://forms.gle/msTMrALvLkww7ew67>

### Event details:

Event Heads:

1. Kashish Shah
2. Ketasvi Aakoliya

Individual participation

The event was based on digital circuit design.

### Round 1

- Student will have to guess the components with blindfold on them in about 30-45 seconds

### Round 2

- This was a Treasure Hunt Round
- Students will be Grouped in pair of 2-3 and find their Problem Statement with hints provided.
- Student will be given a circuit to simplify



### Round 3

- This round was a surprise Round
- In which they had to implement the aim given to them of digital circuit

### Winners

Position	Name	Branch	Year
1 <sup>st</sup>	Devansh Thakkar	EC	2
1 <sup>st</sup>	Nisha Bagadiya	EC	2
2 <sup>nd</sup>	Maitri Desai	EC	3
2 <sup>nd</sup>	Chavi Khothari	EC	2
3 <sup>rd</sup>	Jill Saliya	EC	2
3 <sup>rd</sup>	Priyanshi Varde	EC	2



## ARDUINO- TRONICS

(Total Number of Participants: - 58)



### Event details:

Event Heads:

1. Shreya Gajjar
2. Dhvani Shah

Group participation

Size of group - 2 or 3 (group will be decided by them)

The event will be based on hardware and software implementation of Arduino language.

### Round 1

- Software implementation of randomly given aim using Arduino IDE and Proteus Design Suite
- 30mins for round 1

### Round 2

- Hardware implementation



- Selected groups will have to utilise Arduino UNO board to implement round 1 code.
- 30 mins for round 2

In this event we had Bhaumik Vaidya as our external jury for final round.

### Winners

Position	Name	Branch	Year
1 <sup>st</sup>	Abhi Goyal	EC	3
1 <sup>st</sup>	Ayushi Bhatiya	EC	2
2 <sup>nd</sup>	Sejal Sureka	EC	3
2 <sup>nd</sup>	Nit Talavia	EC	2
3 <sup>rd</sup>	Muskan Jhavar	EC	3
3 <sup>rd</sup>	Abhisshek Singh	EC	2



## FIX-ME

(Total Number of Participants: - 80)



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**SYMPOSIUM**  
**2021**  
**DATE: 17 - 18 SEPT.**

**FIX - ME**

**ROUND 1 (20 MINS) - Fix Error in C**  
**ROUND 2 (20 MINS) - Robotics Crossword**  
**ROUND 3 (90 MINS) - Make Maze Robo**

**Event Head**  
Chirag Jariwala - 7984534233  
Parth Vasoya - 6351137350

<https://forms.gle/atJ8qUksZ45zN5ze8>

### Event details:

Event Heads:

1. Chirag Jariwala
2. Parth Vasoya

Individual participation

The event will be based on robotics and robo implementation.

### Round 1

- Solo Round
- Error fixing in C Programming
- Time limit:-20mins

### Round 2

- Solo Round
- Crossword Puzzles based on robotic parts

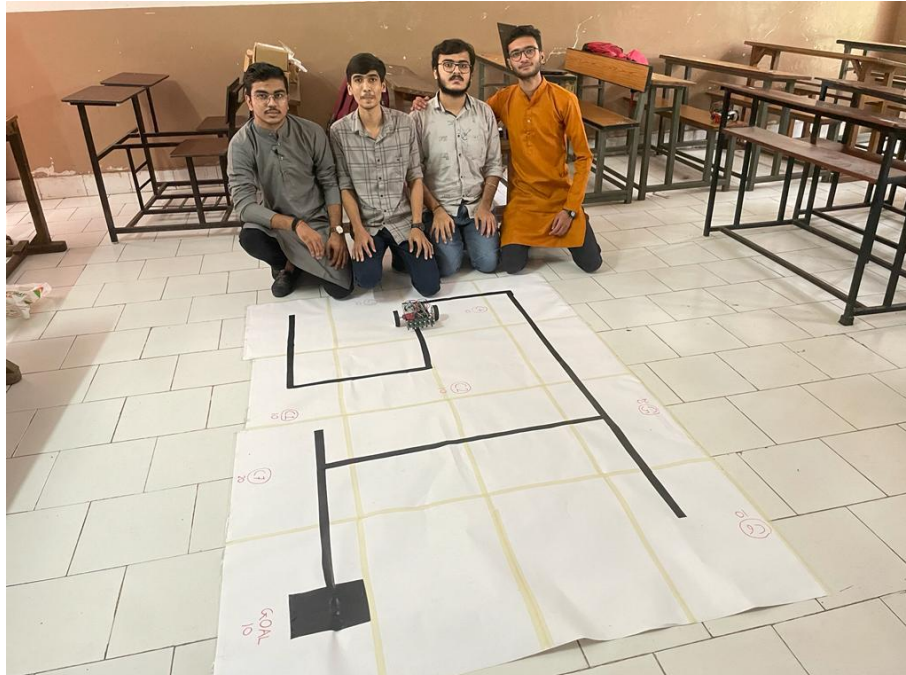
- Time limit:- 20 mins

### Round 3

- Duo Round
- All have to make maze solving robot within the given components.
- Two chances will be given to participants to show that their robot is able to solve maze.
- Time limit:- 1:30 hrs

### Winner

Position	Name	Branch	Year
1 <sup>st</sup>	Nehansh Patel	EC	2
1 <sup>st</sup>	Anand Sahu	EC	2
2 <sup>nd</sup>	Rutvik Sojitra	EC	3
2 <sup>nd</sup>	Dhaval Sorathiya	EC	2
3 <sup>rd</sup>	Aarya Shah	EC	2
3 <sup>rd</sup>	Harsh Bhadani	EC	2





## Non – Technical Events

### **WISE CLUTCH**

(Total Number of Participants: - 96)



The poster for the WISE CLUTCH SYMPOSIUM 2021 features a maze with a red robot in the center. The text on the poster includes:

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**2021**  
DATE: 17 – 18 SEPT.

**WISE - CLUTCH**

**ROUND 1 (Time Based)**  
Robo Fight  
**ROUND 2 (Time Based)**  
Robo Maze

**Event Head**  
Priyansh Patel - 9925255081  
Priyam Sheth - 9638799908

<https://forms.gle/oTjcspiMbUk4EaZg8>

#### **Event details:**

Event Heads:

1. Priyansh Patel
2. Priyam Sheth

Duo participation

The event will be based on robo fight.

#### **Round 1**

- DUO V/S DUO
- At front part of robot, needle will be there and balloon will be at back.
- You have to burst the balloon of opponent by needle and have to protect your balloon from opponent.

## Round 2

- DUO Performance
- You have to pick up the block from start point.
- Then you have to put that block to the specific point properly which will be mentioned in the map.

## Winner

Position	Name	Branch	Year
1 <sup>st</sup>	Devansh Thakkar	EC	2
1 <sup>st</sup>	Dev Patel	EC	2
2 <sup>nd</sup>	Meet Ghantala	EC	3
2 <sup>nd</sup>	Pratik Bahu	EC	3
3 <sup>rd</sup>	Mangukiya Nandini	EC	3
3 <sup>rd</sup>	Vaghani Shruti	EC	3



## LAZER MAZE

(Total Number of Participants: - 96)



### Event details:

Event Heads:

1. Yanshu Kikani
2. Mitesh Valand

Group participation (3 students per team)

Round will be based on puzzles in which students can enhance their analytical and cognitive skills. Team work is the primary requirement of laser maze. Moreover hand-eyes coordination is also required in laser maze.

### Round 1

- Some geometrical shapes (like checks) would be given.
- Participant have to make a path from source to destination within the given geometrical shape
- Instruction for the path to be followed will be declared on the day of performance



- The group which takes minimum time along with minimum distance to complete the task will score maximum points Some geometrical shapes (like checks) would be given
- Participant have to make a path from source to destination within the given geometrical shape
- Instruction for the path to be followed will be declared on the day of performance.
- The group which takes minimum time along with minimum distance to complete the task will score maximum points

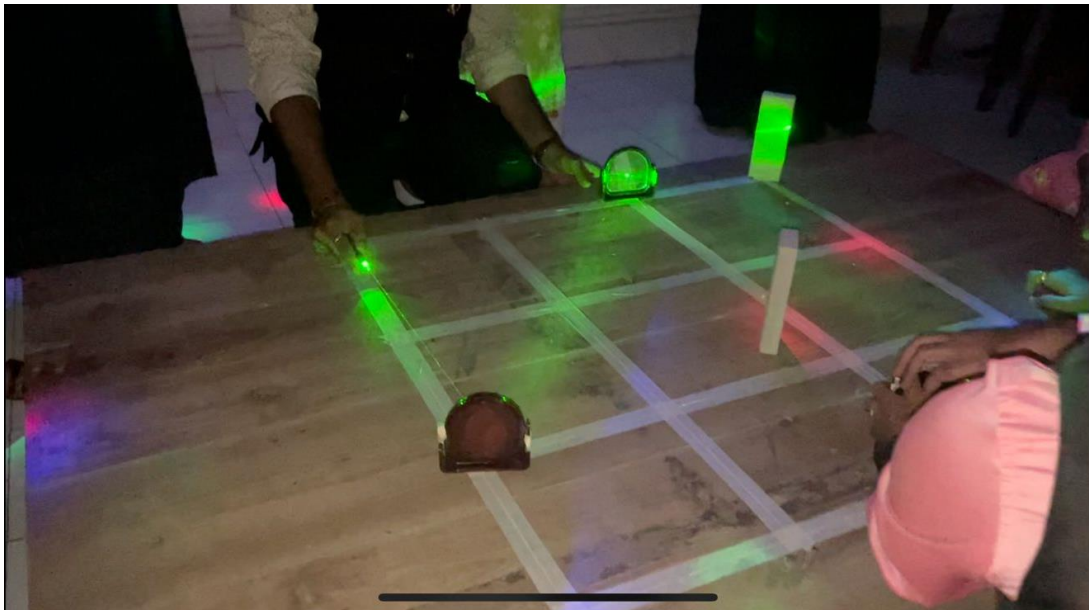
## Round 2

- Surprise Round
- Adjusting reflecting glasses to fall over the center of given object
- Doing the same in minimum time.

## Winner

Position	Name	Branch	Year
1 <sup>st</sup>	Vatsal Kheni	EC	3
1 <sup>st</sup>	Jay Patel	EC	3
1 <sup>st</sup>	Kabir Pithadia	EC	2
2 <sup>nd</sup>	Anand Shau	EC	2
2 <sup>nd</sup>	Meet Patel	EC	2
2 <sup>nd</sup>	Anish Sopariwala	EC	2
3 <sup>rd</sup>	Mamick Joshi	EC	2
3 <sup>rd</sup>	Ishaq Malam	EC	2
3 <sup>rd</sup>	Sosmita Paul	EC	2





## BRAND MANIA

(Total Number of Participants: - 94)



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IT / EN STORES

GUESS

**दक्षिण**  
Anant Gyan Ki Talash Mein

**SYMPOSIUM**

**2021**

**DATE: 17 - 18 SEPT.**

BRAND MANIA

ROUND 1 (10 MINS)  
Logo Hunt

ROUND 2 (MINS)  
Marketing Campaign

**Event Head**  
Shiv Kapadia - 9824570363  
Ahmed Makda - 9925115550



<https://forms.gle/2y3Swd9kxRFM6BBM8>



**Event details:**

Event Heads:

1. Ahemd Makda
2. Shiv Kapadia

Individual participation

Have to identify the logo and taglines.

**Round 1**

- Solo participation
- A list of Taglines and Logos, you'll have to identify in the given time
- Time-10 minutes

**Round 2**

- Group participation (3 students per team)
- In the Final Round selected students will be given either a product or a company and they will have to market/sell the product using their humor and skills

**Winner**

Position	Name	Branch	Year
1 <sup>st</sup>	Vaishvi Pandya	EC	3
1 <sup>st</sup>	Aniket Nihalani	EC	3
1 <sup>st</sup>	Mohit Bhatya	EC	2
2 <sup>nd</sup>	Khushi Fatnani	EC	3
2 <sup>nd</sup>	Meet Patel	EC	2
2 <sup>nd</sup>	Devansh Thakkar	EC	2
3 <sup>rd</sup>	Chavi Kothari	EC	3
3 <sup>rd</sup>	Parth Patel	EC	3
3 <sup>rd</sup>	Jigar Adhvaryu	EC	3





## HIRING CHALLENGE

(Total Number of Participants: - 74)



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**SYMPOSIUM**  
**2021**  
**DATE: 17 - 18 SEPT.**

**HIRING CHALLENGE**

**ROUND 1 - Aptitude Test**  
**ROUND 2 - Group Discussion**  
**ROUND 3 - Interview**

**Event Head**  
Divansh Maloo - 8700447904  
Mansi Maheshwari - 7574981901  
<https://forms.gle/AEqU6oPXTv11nXg38>



**Event details:**

Event Heads:

1. Mansi Maheswari
2. Divansh Maloo

Individual participation

To prepare students for actual world interview.

**Round 1: Aptitude test**

- Participants have to answer 30 Questions based on logical reasoning, data interpretation and quantitative within 60 minutes

**Round 2: Group Discussion**

- On the spot, the topic will be provided to the selected participants (5-6 students per group) and 5 min for the preparation

**Round 3: Interview**

- External jury will come and take their interview

In this event our jury was STPL and DI solutions HR's.

**Winner**

Position	Name	Branch	Year
1 <sup>st</sup>	Harshini Sistu	EC	3
1 <sup>st</sup>	Ankit Nihalani	EC	3
2 <sup>nd</sup>	Chavi Kothari	EC	3
2 <sup>nd</sup>	Maitri Desai	EC	2
3 <sup>rd</sup>	Zill Saliya	EC	2
3 <sup>rd</sup>	Dhanish Sarawagi	EC	2







## **Acknowledgement**

As it has been the tradition since 1999 this year the oldest department techno festival entitled as “**Symposium 2021**” organized by Electronics and Communication Engineering Department under the banner of Kshitij at Sarvajanik College of Engineering and Technology, Surat, was organized on **17<sup>th</sup> and 18<sup>th</sup> September, 2021.**

This event is annually organized by the Department. This time it was organized completely online. The main aim of the event was to make the students aware about technical and non-technical skills. It was a huge success everybody enjoyed the technical as well as non-technical events. There was great amount of enthusiasm delivered by the students

Success of this event was due to the team work of students of 4th year, the event heads and the volunteer and all follow students of the department. It could not have been such a resounding success without the guidance of the head of department Prof. (Dr.) Nehal Shah and also Faculty Coordinator Prof. Chintan Panchal and all other Faculties of our department who were always there to help and guide us at every step possible. We feel immense amount of gratitude towards everyone involved.

Dhairya Kapadia  
Unnati Bachkaniwala

Student Coordinators  
Symposium 2021