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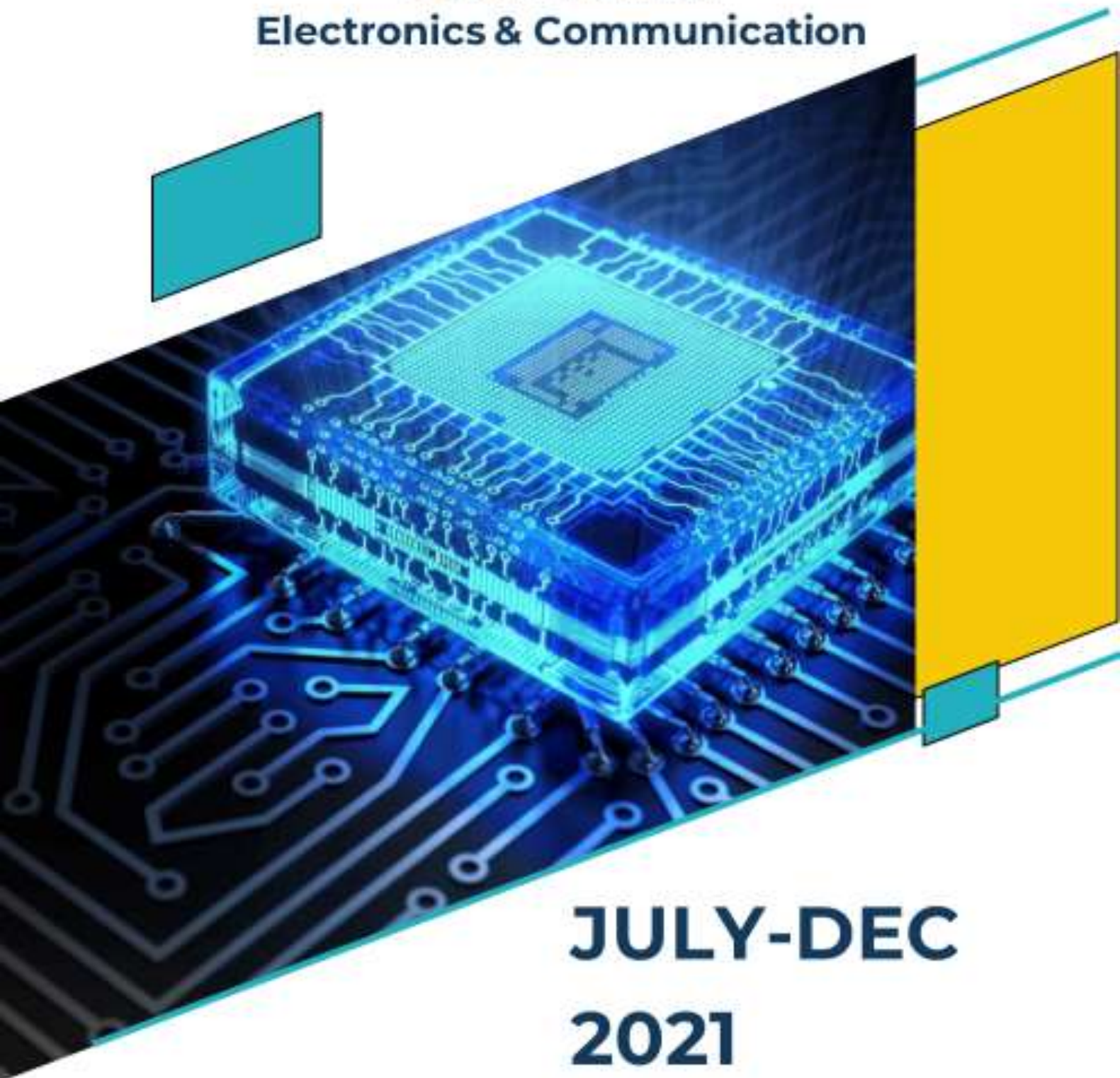
**SISTec Engg.**

GANDHI NAGAR CAMPUS | [www.sistecgn.ac.in](http://www.sistecgn.ac.in)

Approved by AICTE & Affiliated to RGPV Bhopal

# NEWSLETTER

Department of  
Electronics & Communication



**JULY-DEC  
2021**

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# Editorial Message

*"No resistance can drop our potential"*

Heartily welcome to the 5th Edition of our Departmental Newsletter.

We are very delighted and proud in presenting this newsletter to showcase the latest developments and programs which happened in our department.

It is indeed a great pleasure to note that our Department is publishing the newsletter on half yearly basis on every aspect of activities and events held during the semester. The newsletter aims to bring into view various proceedings, functions, events, news, accomplishments and happenings in the Department.

Newsletter acts as a communication channel among the alumni, faculty, students and experts in Electronics and Communication Engineering.

We are very much grateful to the Management, Principal and Vice Principal for their continuous encouragement, inspiration and support extended for the release of this

*"NEWSLETTER"*

### ***Editorial Board Members:***

1. Aarushi Viswakarma (5th Sem)
2. Neha Mewada (5th Sem)

### **1. Prof. Siddharth Singh Parihar**

*Assistant Professor EC Dept.*

### **2. Prof. Anoop Tiwari**

*Assistant Professor EC Dept*

### ***Editor in Chief:***

**Dr. Ravi Shankar Mishra**

*Professor & HOD EC Dept. SISTec Bhopal*

### ***Advisory Board:***

**DR. KESHAVENDRA CHOUDHARY**

*Principal SISTec Gandhinagar Bhopal*

**DR. SWATI SAXENA**

*Vice-Principal Gandhinagar Bhopal*

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# Vision Mission & PEOs of Electronics and Communications Department

## *Vision:*

To become one of the leading institutes in the field of electronics and communication engineering to produce competent and committed technocrats who strive continuously in the pursuit of professional excellence for the betterment of society.

## *Mission Statements:*

To impart learning skills through rigorous academic and technological intervention to meet the global challenges in the field of Electronics and Communication Engineering.

To inculcate the significance of human values and professional skills to serve the society.

To develop professional skills through co-curricular, extra-curricular, and industry interaction activities.

## *Program Educational Objectives:*

**PEO 1:** To develop an ability among students to understand the concept of Electronics and Communication Engineering that will facilitate the understanding of new technology that prepares them for a professional career and higher studies.

**PEO 2:** To inculcate professional and ethical skills, entrepreneurial thinking, and an ability to relate engineering issues with social issues.

**PEO 3:** To give exposure to emerging edge technologies, adequate training, and opportunities to work as a team on multidisciplinary projects with effective communication skills and leadership qualities.

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# PLACEMENT

## MINDRUBY

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*A Gateway to Placements...*

# *Congratulations*

**Mr. Ayush Jain**  
 Electronics & Comm. Engg. - SISTec, Gandhi Nagar  
 for getting Selected in **MindRuby Technologies**

Designation: **Software Engineer**  
 Package : **2.4 LPA**

**MindRuby**  
 TECHNOLOGIES

**Mr. Ayush Jain**  
 EC, SISTec GN

BATCH:  
**2017-21**

*Best wishes for your bright future...*

Celebrating **21** Years of Excellence in Education

SISTec Department of Electronics and Communication Engineering  
 Congratulations to Mr. Ayush Jain for getting placed in MindRuby Technologies as Software Engineer.  
 Best wishes for future endeavours.

# TECH TALK 2021

## WEBINAR SERIES

# Tech-Talk AUGUST 2021

Department of Electronics & Communication Engineering





**TOPIC: Technology Evolution in TV & Broadcasting Industry.**

**SPEAKER**

**Mr. Ashish Vijaywergiya**  
M.Tech in Digital Communication from National Institute of Technology, Bhopal.  
Senior Engineer IITNDU, Delhi



**TOPIC: Real Time Embedded System)**

**SPEAKER**

**Dr. M. Shyam Sunder**  
Ph.D from Osmania university  
M.Tech in Microwave engineering from MANIT, Bhopal  
Associate Professor, Osmania University, Hyderabad



**TOPIC: IPR (Intellectual Property rights)**

**SPEAKER**

**Mr. Tara kant**  
B.E., M.S. (Pursuing),  
Hochschule Dusseldorf University, Germany  
Project & Training Assistant  
VISHWAS – Ek Nayi Soch



**TOPIC: Autonomous Driving in India: Challenges and Opportunities**

**SPEAKER**

**Mr. Sanjeev Sharma**  
B.Tech from IIT-Rorkee  
Founder & CEO, Swaryati Robots



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**11th, 13th, 14th & 28th August, 2021**

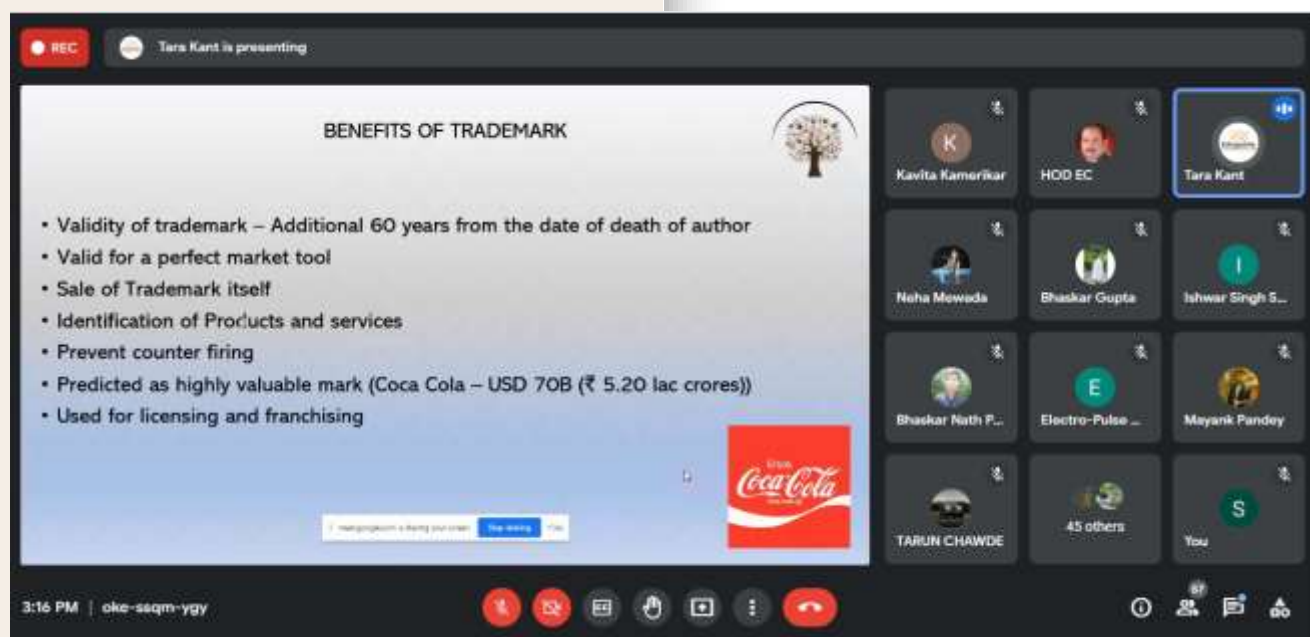
Link to join : [www.meet.google.com/oke-ssqm-ygy](http://www.meet.google.com/oke-ssqm-ygy)

SISTec Department of Electronics and Communication Engineering is organizing a webinar series "Tech-Talk 2021" from 11th of August 2021 on the following topics-

- 1) IPR (Intellectual Property Rights) , 11 August 2021, 2:00 PM.onward.
- 2) Real Time Embedded System, 13 August 2021, 2:00 PM.
- 3) Autonomous Driving in India: Challenges and Opportunities, 14 August 2021, 2:00 PM.
- 4) Technology Evolution in TV & Broadcasting Industry, 28 August 2021, 2:00 PM.

# TECH TALK 2021

## WEBINAR SERIES



The department of Electronics and Communication Engineering of Sagar Institute of Science and Technology celebrated the Inaugural ceremony of Tech-Talk series 2021 on 11th of August 2021 at Gandhinagar campus, coordinated and conducted by Electro pulse club. The program was started with lamp lighting followed by inspirational words by respected Director Dr. Jyoti Deshmukh, Principal Dr. Keshvendra Choudhary, Vice Principal Dr. Swati Saxena. After that, Dr. Ravi Shankar Mishra, HOD of electronics & communication Engineering, expressed his gratitude and talk about the concept of this Tech-Talk series. The keynote speaker of this event Mr. Tara Kant discussed the importance of Intellectual property rights which includes Patent filing process, Trademark, Copyright and Trade secret. The vote of thanks was delivered by Miss. Aarushi Vishwakarma (Vice president of Electro pulse club). She extended her gratitude to all the dignitaries, faculty members and students present on this inaugural session.

Session was very informative and interactive. Students participated with full of enthusiasm and benefited by this webinar.

# TECH TALK 2021

## WEBINAR SERIES



Department of Electronics and Communication Engineering, SISTec organized second session of Tech-Talk series 2021 on 13/08/2021 at Gandhinagar campus. The session was started with lamp lighting followed by inspirational words by Dr. Ravi Shankar Mishra, HOD of electronics & communication Engineering, expressed his gratitude and talk about the significance of Real Time Embedded System. The keynote speaker of this event Dr. M. Shyam Sunder discussed the importance of Real Time Embedded system, its example and various concept used in Embedded System.

**Tech-Talk 2021**  
Department of Electronics & Communication Engineering

**WEBINAR ON**  
TOPIC **REAL TIME EMBEDDED SYSTEM**

**SPEAKER**  
**Dr. M. Shyam Sunder**  
Ph.D from Osmania university  
M.Tech in Microwave engineering  
from MAHIT, Bhopal  
Associate Professor  
Osmania University, Hyderabad

**13<sup>TH</sup> AUGUST, 2021**  
**2:00 PM ONWARDS**  
Link to join: [www.meet.google.com/oke-ss](http://www.meet.google.com/oke-ss)

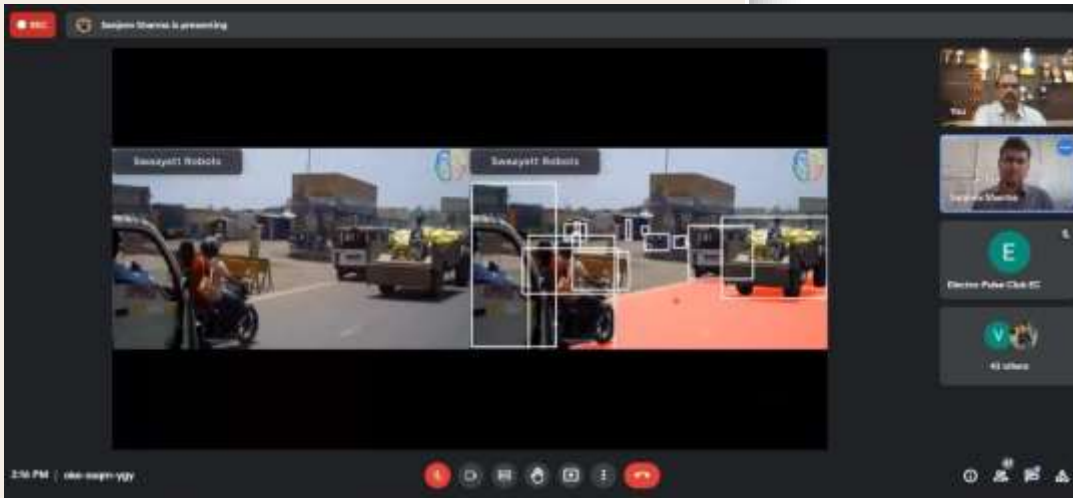
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The vote of thanks was delivered by Neelesh Singh Rajpoot. He extended his gratitude to all the dignitaries, faculty members and students present on this session. Session was very informative and interactive. Students participated with full of enthusiasm and benefited by this webinar.



# TECH TALK 2021

## WEBINAR SERIES

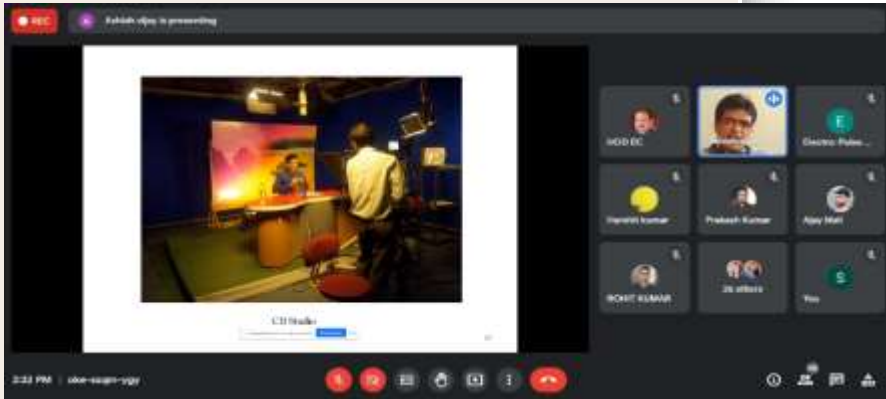


Department of Electronics and Communication Engineering, SISTec organized third session of Tech-Talk series 2021 on 14/08/2021 at Gandhinagar campus. The session was started with lamp lighting followed by inspirational words by Dr. Ravi Shankar Mishra, HOD of electronics & communication Engineering, expressed his gratitude and talk about the Autonomous Driving and vehicle. The keynote speaker of this event Mr. Sanjeev Sharma discussed the future of Autonomous driving and its challenges and opportunities in India.

The vote of thanks was delivered by Ishwar singh solanki. He extended his gratitude to all the dignitaries, faculty members and students present on this session. Session was very informative and interactive. Students participated with full of enthusiasm and benefited by this webinar.

# TECH TALK 2021

## WEBINAR SERIES



Department of Electronics and Communication Engineering, SISTec organized fourth session of Tech-Talk series 2021 on 28/08/2021 at Gandhinagar campus. The session was started with lamp lighting followed by inspirational words by Dr. Ravi Shankar Mishra, HOD of Electronics & Communication Engineering, expressed his gratitude and talk about the significance of Technology Evolution of T.V & Broadcasting Industry. The keynote speaker of this event Mr. Ashish Vijaywergiya, Technical Director IGNOU Delhi, discussed about the evolution in TV broadcasting setup, satellite and earth station specification, Analog and digital setup in earth station, Components of PCR, Virtual studio, Compression of video signal.

**Tech-Talk 2021**  
Department of Electronics & Communication Engineering

**WEBINAR ON**  
TOPIC Technology Evaluation in TV & Broadcasting Industry

TOPIC: Technology Evolution in TV & Broadcasting industry.  
**SPEAKER**  
**Mr. Ashish Vijaywergiya**  
M.Tech in Digital Communication from National Institute of Technology, Bhopal.  
Senior Engineer IGNOU, Delhi

**SISTec**  
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**28<sup>TH</sup> AUGUST, 2021**  
**2:00 PM ONWARDS**  
Link to join: [www.meet.google.com/cke-ssqm-ygy](http://www.meet.google.com/cke-ssqm-ygy)

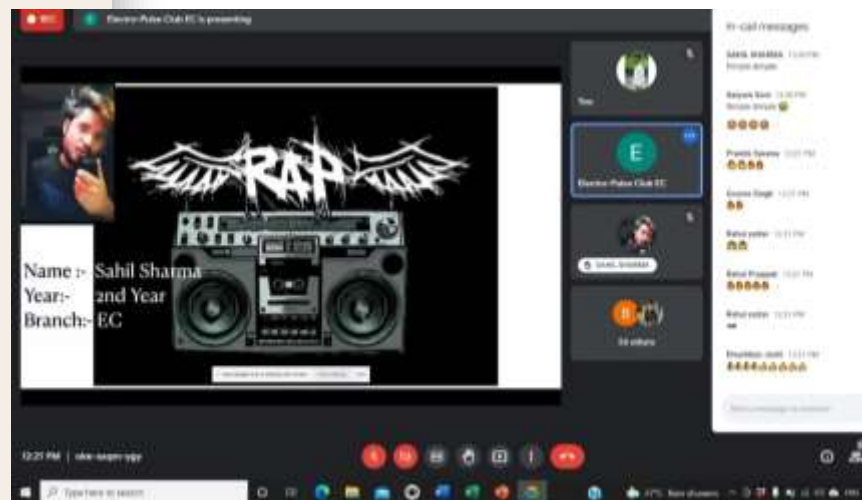
The vote of thanks was delivered by Neha Mewada. She extended her gratitude to all the dignitaries, faculty members and students present on this session. Session was very informative and interactive. Students participated with full of enthusiasm and benefited by this webinar.

# P-N JUNCTION ENGINEERS DAY



The department of Electronics and Communication Engineering of Sagar Institute of Science and Technology celebrated an event "P-N Junction"- an Engineers Day Celebration, on 15th of September 2021 at Gandhinagar campus, coordinated and conducted by Electro pulse club

The program was started with lamp lighting followed by inspirational words by respected Principal Dr. Keshvendra Choudhary, Vice Principal Dr. Swati Saxena. After that, Dr. Ravi Shankar Mishra, HOD of Electronics & Communication Engineering, expressed his gratitude and talk about the importance of being an engineer and how he contribute to society.



The event started off with the beautiful dance performance of Satyam Soni, followed by rapping, beatboxing, singing and games. The vote of thanks was delivered by Mr. Gaurav. He extended his gratitude to all the dignitaries, faculty members and students present on this event.

# PLACEMENT

## MPHASIS AND INFOSYS

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*Congratulations*  
to our **Electronics & Communication Engineering**  
for getting placed as **Trainee Software**  
**BATCH 2022**

**Mr. Himanshu Yadav**

**Mphasis**  
The Next Applied

**Infosys**

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SISTec Department of Electronics and Communication Engineering

Congratulations to our B.Tech student Mr. Himanshu Yadav from Batch 2018-22 for getting placed in Mphasis and Infosys as a Trainee software.

#BestWishes for all your future endeavors...

May you conquer many more summits.

# SEMESTER BREAK TRAINING

## ELECTRO INSPECTION 2021

"I believe that the school must represent present life – life as real and vital to the child as that which he carries on in the home, in the neighborhood, or on the playground."— John Dewey (My Pedagogic Creed).

SISTec Department of Electronics and Communication Engineering we believe in "Learning by doing". With this thought SISTec Department of Electronics and Communication Engineering organizing semester break training "Electro-Inspection 2021" at SISTec Gandhi Nagar campus. On day 1 session was conducted by Prof. Tejaswini Chetty and Prof. Kavita Kamerikar on the basic knowledge of electronic components such as Resistor, Transistor, Diode etc and their identification and testing using digital multimeter. #handsonlearning #SISTec #learningbydoing #training.



# SEMESTER BREAK TRAINING

## ELECTRO INSPECTION 2021

SISTec Department of Electronics and Communication Engineering On day 2 of Electro-Inspection 2021, first session was conducted by Prof. Tejaswini Chetty and Prof. Kavita Kamerikar on the basic knowledge of Cathode ray oscilloscope (CRO) and measurement of amplitude, frequency and phase of any signal with the help of CRO. In second session students implements different electronics circuit on bread board.



On day 3 of Electro-Inspection 2021, first session was conducted by Prof. Tejaswini Chetty and Prof. Kavita Kamerikar on the topic of Implementation of half wave and full wave rectifier circuit in bread board . Second session was conducted on the topic of implementation of monostable multivibrator on bread board.



# SEMESTER BREAK TRAINING

## ELECTRO INSPECTION 2021

“Tell me and I forget, teach me and I may remember, involve me and I learn.”– Benjamin Franklin.

SISTec Department of Electronics and Communication Engineering  
 With this thought Department of Electronics and Communication Engineering, SISTec Gandhinagar organized semester break training "Arduino Bootcamp- Learning with sensors and actuators 2021" for Vth semester students. On day 1 session was taken by Prof. Rahul Shrivastava, in which students learnt about Embedded system and its applications, Introduction to Arduino Mega board and its pin description along with on board details, LED and switch interfacing with Arduino board , Interrupts. Session was very interactive and knowledgeable for future prospective of students.



# SEMESTER BREAK TRAINING

## ELECTRO INSPECTION 2021

**“Tell me and I forget, teach me and I may remember, involve me and I learn.”– Benjamin Franklin.**

Department of Electronics and Communication Engineering, SISTec Gandhinagar organized semester break training "Arduino Bootcamp- Learning with sensors and actuators 2021" for Vth semester students. On day 2 session was taken by Prof. Rahul Shrivastava, In this hands on session, students learnt about Embedded system and its applications, Interfacing of ADC with Arduino MEGA, Controlling an output with PWM signals and its duty cycle and different types of sensors such as IR sensor, LM 35, Ultrasonic sensor, PIR , Proximity sensor. Session was very interactive and knowledgeable for future prospective of students.

#handsonlearning #SISTec  
#learningbydoing #training.  
#SISTec Sagar Group of  
Institutions-SISTec





# PLACEMENT

## ISRO



SISTec Department of Electronics and Communication Engineering Congratualations to our B.Tech Student Mr. Tarun Rawat — SISTec ECE from Batch 2017-21 for getting placed as Graduate Apprentice in ISRO.  
Best wishes for all your future endeavors...  
May you conquer many more summits.

# PLACEMENT WIPRO



SISTec Department of Electronics and Communication Engineering Congratuatiions to our Computer Science, Electronics & Communication, and Electrical Engineering students from Batch 2018-22 for getting placed as #ProjectEngineer in #Wipro and at a package of 3.5 LPA.

Best wishes for all your future endeavors...

May you conquer many more summits.

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# CAPSULE COURSE

## IOT BOOTCAMP

Sagar Institute of Science & Technology (SISTec) Gandhi Nagar  
DEPARTMENT OF **Electronics & Communication Engineering**

### CAPSULE COURSE ON IOT BOOTCAMP (SEMESTER- VII)

**TRAINER**

Prof. Pankaj Kumar Vyas   Prof. Rahul Shrivastava   Prof. Siddharth Singh Panjhar

16<sup>th</sup> Nov, 2021 to 18<sup>th</sup> Nov, 2021

SISTec Department of Electronics and Communication Engineering #WorkshopUpdate  
SISTec GN Department of Electronics & Communication Engineering is organizing a "Three Day CapsuleCourse "IoT Boot Camp {Develop IoT with MicroPython}" for 7th semester students from 16th November 2021.  
After the completion of this hands-on course, students will be able to-

- 1) Interface Sensors & Actuators
- 2) Upload data to ThingSpeak cloud
- 3) Interfacing of ADC
- 4) Write a Micropython code for HTTP PUT, POST and GET method.
- 5) Generation of PWM signals.
- 6) Upload data to IFTTT cloud.
- 7) Explain Micropython features and GPIO control.
- 8)Able to use ThingSpeak services- Channel, ThingHTTP ,ThingTweet,Talkbacks, React .

# FRESHERS PARTY 2K21

## THE WELCOME PARTY

"College life is meant to be enjoyed, rather than just getting good grades"

With these lines the senior students organized a wonderful freshers welcome party for the newly joined junior student.



Freshers day is the start of the new journey of life. It is an informal kind of introduction to the seniors, faculty, members, and the institution as well.



# PLACEMENT

## TCS DIGITAL/NINJA



SISTec Department of Electronics and Communication Engineering

Congratulations to our Electronics and communication Engineering, Computer Science Engineering and Mechanical Engineering students from Batch 2018-22 for getting Placed as Assistant System Engineer Trainee Digital/Ninja in Tata Consultancy Services at CTC 7 LPA.

Best wishes for all your future endeavors...

May you conquer many more summits.

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# PLACEMENT

## TUDIP DIGITAL/NINJA

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21<sup>st</sup> Anniversary  
NAAC

*Congratulations*  
to our **Computer Science, Electrical, Electronics & Communication Engineering**  
Students for getting placed in

**Tudip**  
Great Place to Work  
American Partner  
AWS  
Sakar Consulting Partner

**PROFILE: DIGITAL | CTC: 5 LPA**

Mr. Vinayak Acharya  
Mr. Rishikesh Verma  
Mr. Akshay Turkar  
Mr. Sankalp Sahu  
Mr. Shalindra Singh Pawar

**PROFILE: NINJA | CTC: 3.7 LPA**

Ms. Akriti Kanwal Bhatt  
Ms. Anjali Mishra  
Mr. Apush Dwivedi  
Ms. Azmi Zehra  
Ms. Mohini Namdev  
Mr. Srinan Madhwal

BATCH 2018-22

MAGNIFICENT PLACEMENTS  
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SISTec Department of Electronics and Communication Engineering Congratualutions to our Electronics and communication Engineering, Computer Science Engineering and Electrical Engineering students from Batch 2018-22 for getting Placed for the profile Digital/Ninja in Tudip at CTC 5 & 3.7 LPA. Best wishes for all your future endeavors...

May you conquer many more summits.

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# CAPSULE COURSE

## ELECTRO INSPECTION

SISTec Department of Electronics and Communication

Engineering is organizing three days capsule course Training program \*ELECTRO-INSPECTION\* from 3rd January 2022 to 5th January 2022 for IIIrd semester students . In this capsule course training program, students will learn implementation of different #ElectronicCircuits on Bread Board and PCB through Hands-on session.

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**CAPSULE COURSE TRAINING PROGRAM**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

**ELECTRO-INSPECTION** 3<sup>rd</sup> SEMESTER

Trainer :  
Prof. Pankaj Vyas  
Prof. Anoop Tiwari  
Prof. Kavita Kamerikar  
Prof. Tejaswini Chetty

DATE  
3<sup>rd</sup> - 5<sup>th</sup> Jan 2022

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**CAPSULE COURSE TRAINING PROGRAM**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

**CODING-HUT:**  
Front End Digital Logic Design using VHDL

3<sup>rd</sup> SEMESTER

Trainer :  
Prof. Rahul Shrivastava  
Prof. Siddharth Singh Parihar

DATE  
28<sup>th</sup> - 30<sup>th</sup> Dec 2021

CODING-HUT: Front End Digital Logic Design Using VHDL from 28th Dec 2021 to 30th Dec 2021 for 2nd year students . In this training, students will perform VHDL coding (Hardware coding for Digital Circuits) through Hands-on session.

# INDUSTRIAL VISIT

SMPL(Sagar manufactures Pvt, limited)  
Bhopal.



SISTec Department of Electronics and Communication Engineering organized an Industrial visit to SMPL on 31st of December 2021 for the IIIrd semester students. The students were escorted to different units of the manufacturing industry where they observed the process of making yarn from the cotton fiber brought from the ginning mills.

Students were ask about the various machines involved in the process and the final product and had queries about the process of exporting. It was a wonderful experience for the students.

#industrialvisit #Exploreindustry #YarnManufacturing #smpl

