

# **EESA 2021-22**

## **Annual Report**



## **PREFACE**

It is a great opportunity for us to present the Annual report on EESA Activities. The report comprises brief information about all the activities done under EESA 2020-21.

The report contains following topics:

- Introduction to EESA
- Activities completed

## **ACKNOWLEDGEMENT**

In performing all the activities under EESA, we had to take the help and guideline of some respected personalities, who deserve our greatest gratitude. The completion of EESA Activities gives us much pleasure. We would like to show our gratitude towards:

1. Prof. Sangeeta Daingade (HOD Electrical)
2. Prof. Vishal Dake
3. Prof. Rahul Chavhan

For giving us a good guideline for activities throughout numerous consultations. We would also like to expand our deepest gratitude to all those who have directly and indirectly guided us in completing EESA Activities.

Many people, especially our classmates and team members themselves, have made valuable comment suggestions on this proposal which gave us the inspiration to do our best. We thank all the people for their help directly and indirectly in completing EESA Activities.

## INTRODUCTION TO EESA

EESA i.e. Electrical Engineering Students' Association is a student friendly organization of the Electrical Department, SPCE whose motto is "Betterment of Tricals". Electrical Engineering Students' Association is headed by



## EESA Committee 2021-22

Position	Student Name
General Secretary	Yash Khiste
Financial Secretary	Sameer Kurkure (Reporting Authority) Sourabh Mhetre Aditya Prakash
Technical Secretary	Aparna Pathak (Reporting Authority) Sagar Patil Shravan Sutar
Non- Technical Secretary	Aditi Chemburkar (Reporting Authority) Akshad Ganachari
Sports Secretary	Pralhad Jadhav (Reporting Authority) Nikhil Dhage Sneha Dagade
Magazine Secretary	Gaurav Meshram (Reporting Authority) Ruchira Jadhav



## **EVENTS/ACTIVITIES**

- Farewell Party
- Electrical Software Workshop-1
- Meme Competition
- IPL-KEEDA
- EESA 2021-22 Introductory meet for first years
- Calculator and Pointer Workshop
- Electrical Software Workshop-2
- Electrical Software Workshop-3
- EESA CUP
- Traditional Day
- Saree & Tie Day
- Laboratory Safety
- Industrial visit to Uran Gas Thermal power station and JNPT Port
- Innovative Project
- Annual Prize Distribution Function

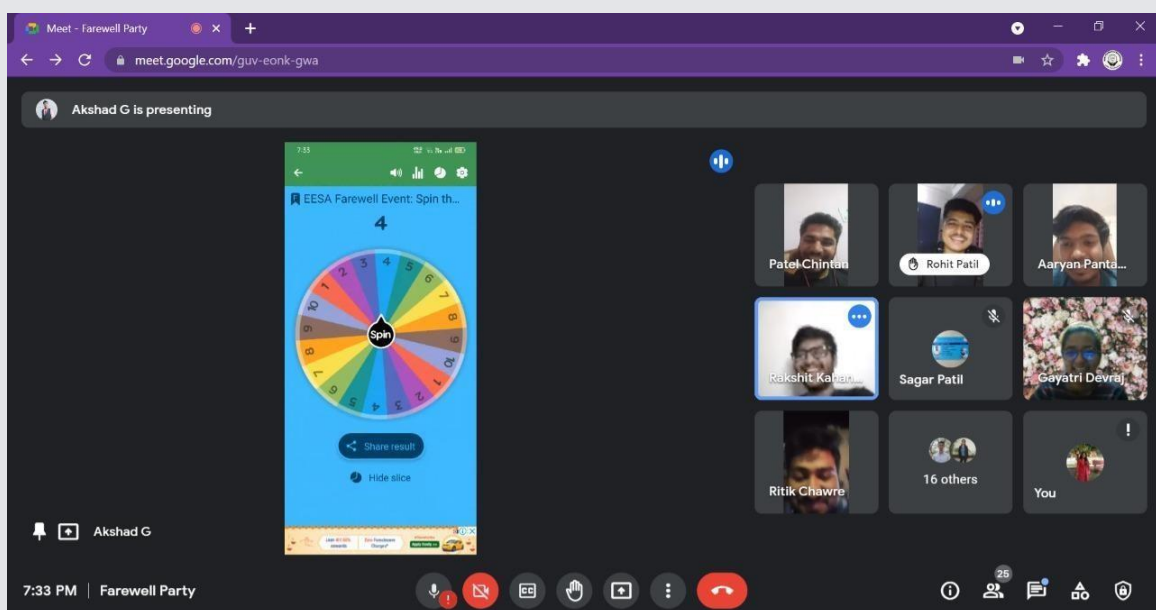


# Farewell Party

The Electrical Engineering Students' Association (EESA 2021-22) held a virtual Farewell party event on Google Meet, in honor of our previous EESA COMMITTEE 2020-21 on Saturday,

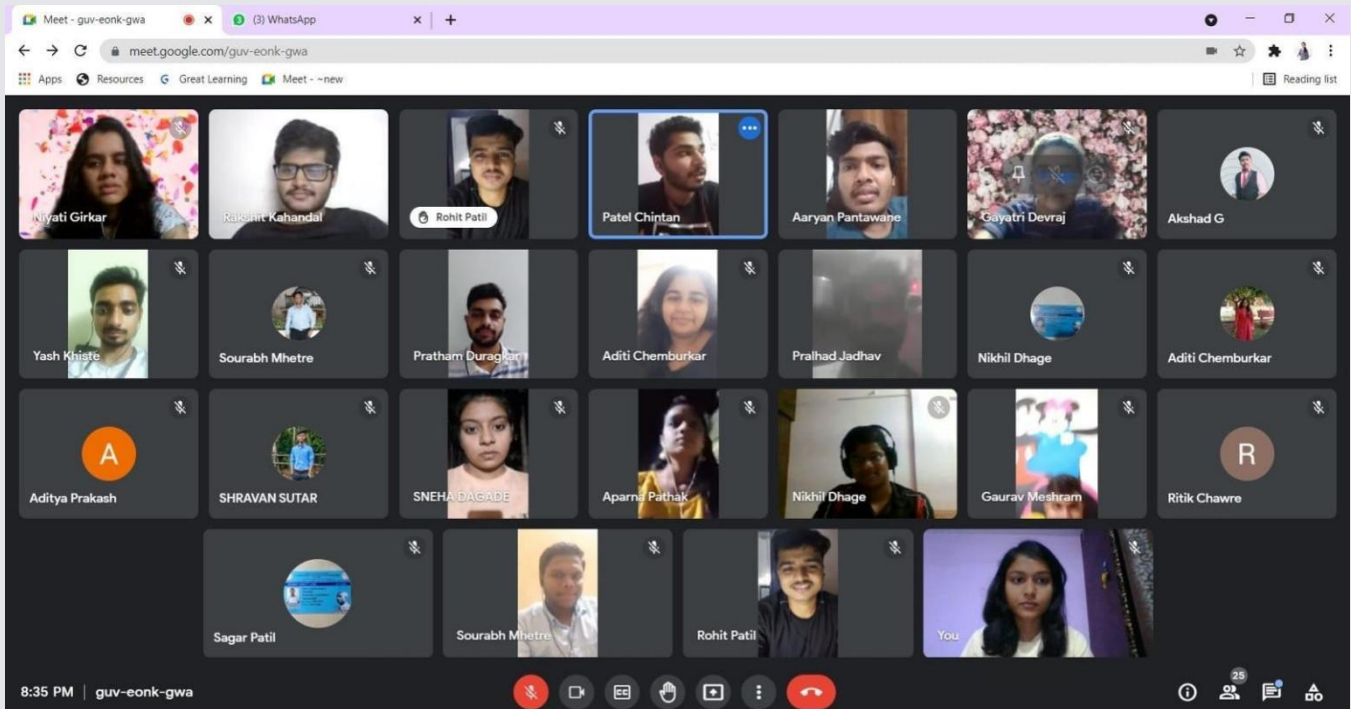
**Date:-** 18th September 2021

**Time:-** 6:30pm to 8.30pm



The event commenced by a heartfelt speech by our General Secretary, Yash Khiste, followed by many of the games , hosted by our Non-Technical Secretaries, Aditi Chemburkar and Akshad Ganachari.

The hosts conducted many games such as Emoji Quiz, Spin the Wheel, Would You Rather, a Fun Event where the hosts asks some funny questions , and a video to revisit their journey of 4 years at SPCE.



We concluded the event by a vote of thanks by Gaurav Meshram, our Magazine Secretary. The session was loved by all and they all quite enjoyed the games. Overall, this event was a successful event.



## **Electrical Software Workshop-1**

On September 25th, Electrical Engineering Students Association (EESA) Committee organized Electrical Software Workshop

**Date:** - 25th September 2021

**Time:** - 10am – 12pm

**No. Of Students attended workshop:** - 55- 2nd Year student.

**Trainers:** - Aparna Pathak (Technical Secretary – EESA)

Sagar Patil (Technical Secretary – EESA)

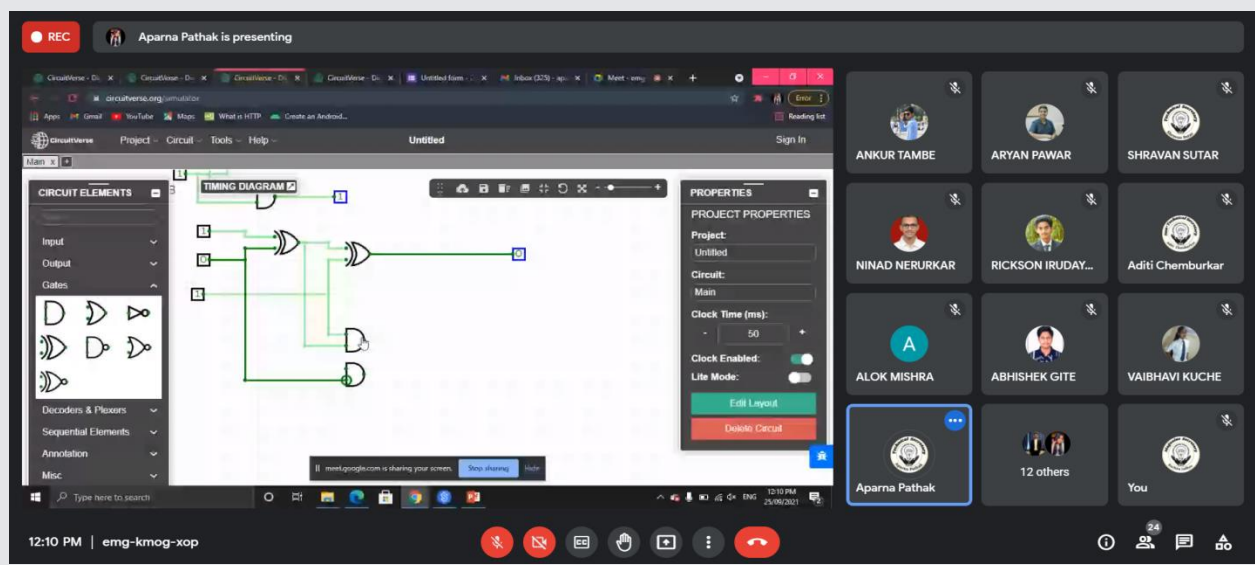
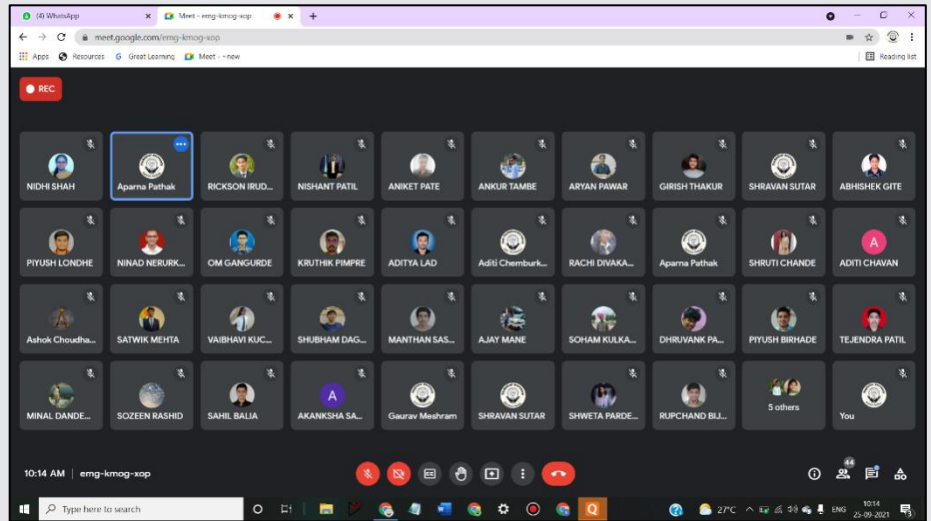
Shravan Sutar (Technical Secretary – EESA)

**Purpose of Activity:** - Make Second year student aware of software that we use as an Electrical Engineer for various purpose

### **Summary:** -

- In the workshop our aim to make students aware of some basic software which will be essential for them as an Electrical Engineer.
- For workshop software used were: -
  1. Lt. Spice
  2. Circuitverse
  3. Sequel
  4. Proteus.
- Steps to download the software.
- Introduction to software, its component and different kind of functions.
- How to build circuit and run the simulation.
- 2-3 Examples where explained.
- Cleared all the doubts of students.

## Glimpse of workshop: -



## Feedback from students: -

Very well explained 😊

It was very helpful session. U all have explained everything quite well. Thanks for this session.

It was really helpful

Want to have more such EESA sessions.. Related to academics and also extra activities

Everything was explained very well

Thank you for the session

.

Great session. Understood working of all softwares taken by seniors.

It was different n great experience that doing this electrical workshop through online mode.

## MEME COMPETITION

The Meme Competition was a 5 Day event, from 15th October to 19th October 2021. This event was exclusive only for students of our college.

**Date:** -15 to 19th October

**No. Of Students attended workshop:** - 55- 2nd Year student.

Participants were given a topic each day to send memes on it. Participants have to submit their memes before 2pm each day, and the hosts, Akshad Ganachari & Aditi Chemburkar, then upload the memes on our EESA Meme Account, @eesa.meme.competition for the public to view and like the submissions.

The EESA committee played a great role in help judge all the memes and declare the winners of this competition. Overall, this event was a success as everyone who participated & watched the submissions loved it and students form our college participated whole-heartedly.

### Winners of the Event: -

Day 1 winner: Saurabh Dahibhate

Day 2 winner: Vaibhav Kurale

Day 3 winner: Roshan Sakhare

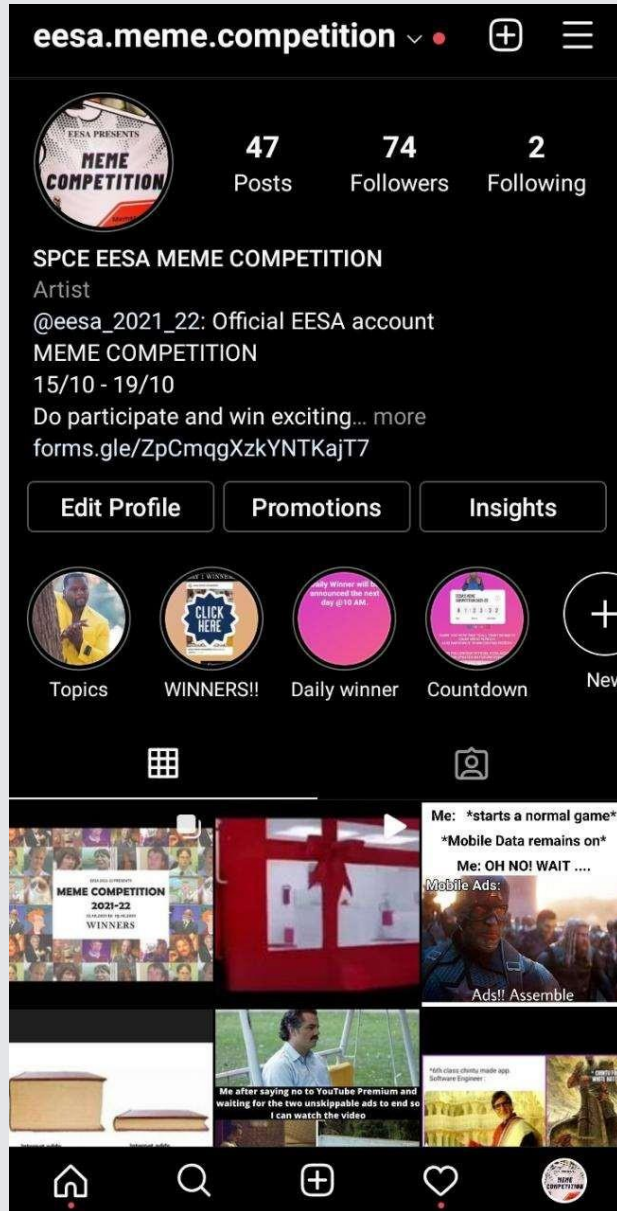
Day 4 winner: Aniket Pate

### Pro Memer

(Overall best Meme): Roshan Sakhare



# EESA MEME COMPETITION INSTAGRAM PAGE





## **IPL-KEEDA**

IPL Keeda was organized at the time of 2021 ongoing second phase of Indian Premier League for all the cricket enthusiasts by sports secretary EESA committee

**Date:** - 21 September to 15 th October

**No. Of Students attended workshop:** - 55- 2nd Year student.

### **Summary: -**

Since the event was online, students from SPCE as well as other colleges participated in the event. The event was organized on Instagram mobile application through EESA official account (eesa\_2021\_22). Rules and regulations were explained on the WhatsApp and Instagram story. Everyone was supposed to answer the questions which were posted on EESA Instagram story after the end of a match. Daily lucky winner was declared on the basis of one who gives fastest correct answers. Daily lucky winners got a mention on the story of EESA official account (eesa\_2021\_22). There were some interesting rules for the playoffs.

The winners were decided by consistency throughout the whole event. There were 3 winners and no participation fee.

### **Winners of the Event: -**

First Prize	-	Aniket Pate
Second Prize-		Swarup Khode
Third Prize	-	Siddharth Chavan



Highlights 2w  
Electrical Engineering Students Association 2021-22  
PRESENTS



KKR VS RR

IN IPL SHIVAM MAVI BOWLS 17 BALLS TO SANJU SAMSON, IN THESE BALLS HOW MANY TIMES HE SENDS SAMSON TO PAVILION???


OPTIONS

(A) 3

(B) 4

(C) 5

(D) 2



← 127.9 kmph

rutvik\_45  
Rutvik Shinde • answered 127.9 kmph

pankaj\_solanki  
Pankaj Solanki • answered 127.9 kmph

mandar\_vardam06  
Mandar Vardam • answered 127.9 kmph

ayushjaiswal1225  
Ayush • answered 127.9 kmph

yadavkalok  
Alok Kumar Yadav • answered 127.9 kmph

hsevras\_14x  
Sarvesh Likhar • answered 127.9 kmph

sid\_9x  
Sid • answered 127.9 kmph

\_ruchira\_jadhav  
Ruchira • answered 127.9 kmph

swarup\_khode  
Swarup Khode • answered 127.9 kmph

aniii\_0304  
Aniket Pate • answered 127.9 kmph

Electrical Engineering Students Association 2021-22  
PRESENTS



**WINNERS OF IPL KEEDA**

1st :- @aniii\_0304 🏆

2nd :- @swarup\_khode 🏆

3rd :- @sid\_9x 🏆

**CONGRATULATIONS TO WINNERS 🏆**

THANKS TO ALL PARTICIPANTS  
FOR PARTICIPATING IN  
EVENT !!! 🎉



Your Stories Close Friends Send to >

Electrical Engineering Students Association 2021-22  
PRESENTS



**WINNER OF YESTERDAY'S  
IPL KEEDA !!!  
@AKSHAT.0403 🏆**

KEEP PARTICIPATING AND  
KEEP WINNING GUYS 🎉



Your Stories Close Friends Send to >

# **EESA 2021-22 INTRODUCTORY MEET FOR FIRST YEAR STUDENTS**

**Date:-** 16 January 2022

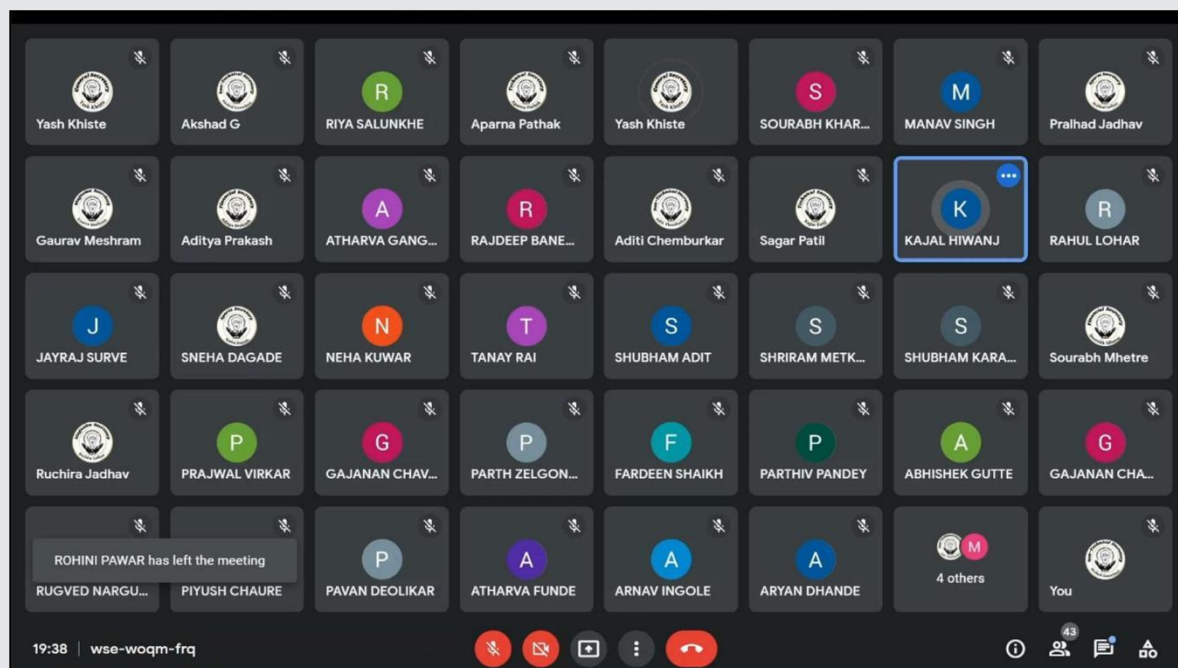
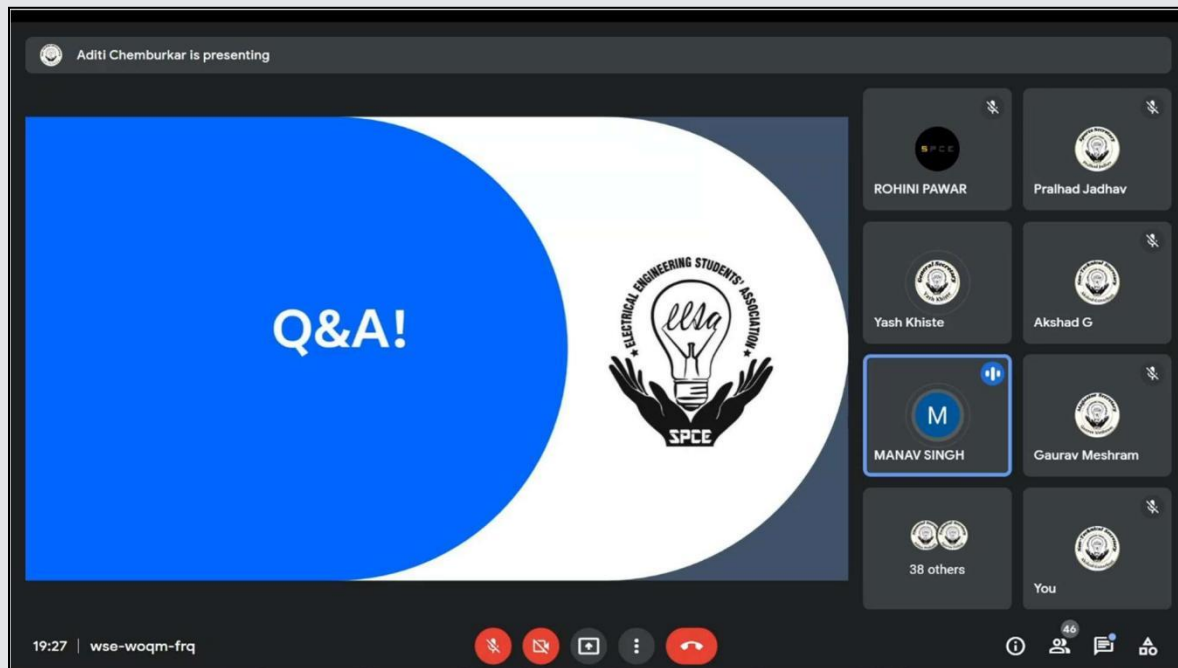
**Time:-** 7pm

**summary:-**

EESA 2021-22 organized an introductory meet for First Year Students of Electrical Engineering on 16 January 2022, at 7 pm. We explained the importance and meaning of EESA. We introduced our faculty and committee members to freshers. We gave a quick overview by events conducted by committee like Farewell to previous committee, Trek 2019. The members of EESA Committee gave a brief introduction to the upcoming events that our committee will organize for electrical students like technical workshops, non-technical events, webinars, sports event and explained about this year's EESA Magazine.



After solving their queries, we concluded this session hoping to see their maximum participation. Overall, the session was a huge success and the freshers interacted wholeheartedly.



## Calculator and Pointer Workshop

**Date:** - 23rd January 2022

**Time:** - 11am

**No. Of Students attended workshop:** - 40- 1st Year student.

**Trainers:** - Aparna Pathak (Technical Secretary – EESA)

Sagar Patil (Technical Secretary – EESA)

Shravan Sutar (Technical Secretary – EESA)

**Purpose of Activity:** -Helping the students of First Year getting acquainted with different function and operations present in the Scientific Calculator – CASIO fx-991ES Plus and fx-991EX models. Also help them to know grading system and pointer calculation.

**Topics Covered:** - Following topics were covered during the meeting

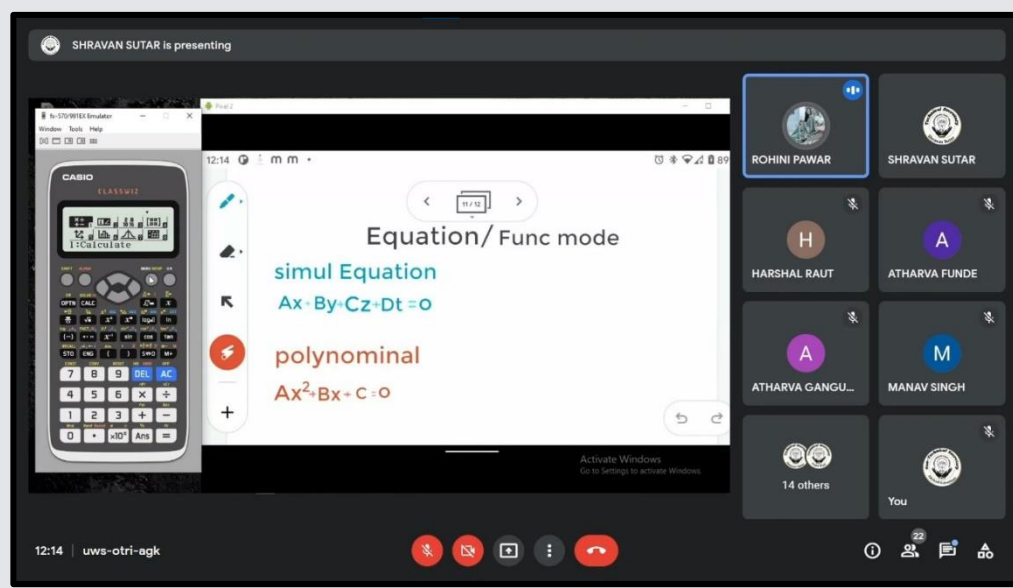
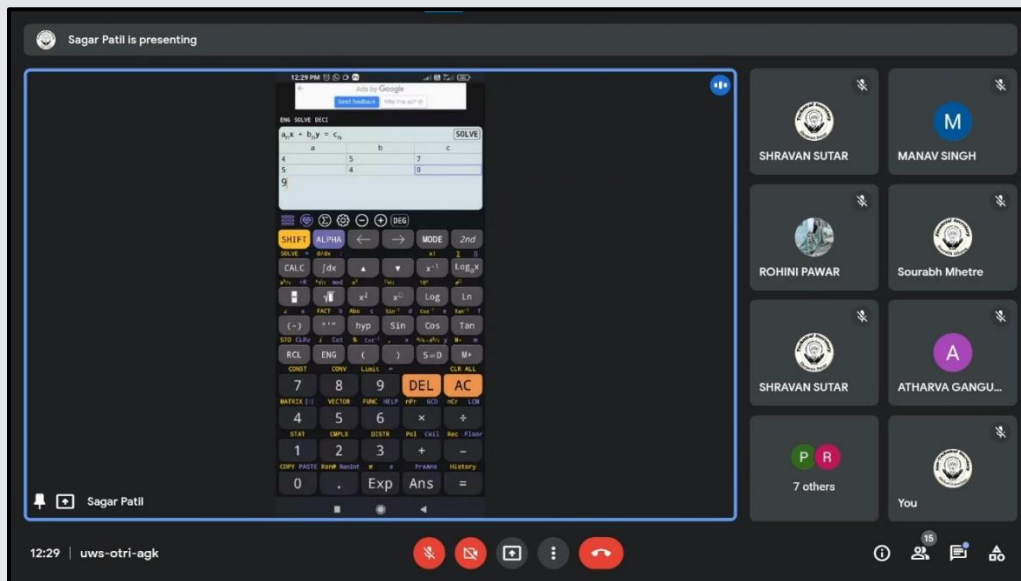
- Basic Operations: Basic keys of Calculator like shift, alpha, square root, log, integration, differentiation, sine, cosine, tangent functions, hyperbolic functions, degree to radian conversion, calculation of Permutations and Combinations, Factorial calculation, storing of value in a variable, etc.
- Equations and Functions: Solving equations like simultaneous equations ( two and three variable), quadratic equations, cubic equations.
- Complex mode: Algebra of complex numbers, converting polar to rectangular form.
- Matrix Operations: Addition, Subtraction and Multiplication of matrices. Calculating Determinant and transpose of matrix.
- Vectors: Vector Algebra including addition, subtraction and multiplication of vectors. Dot product of two vectors.

**Summary:** -

On January 23rd, Electrical Engineering Students Association (EESA) Committee

organized a Calculator and Pointer Calculation Workshop for First year students of Electrical Department of Sardar Patel College of Engineering, Mumbai. As first year students are unaware of the usage of Scientific Calculator and Grading System, this workshop aimed at providing the basic knowledge of different functions and operations present in scientific calculator. The workshop saw great participation of students. The workshop ended with a Q&A session, where all the queries of students were resolved

### Glimpse of Workshop:-





## **Electrical Software Workshop-2**

**Date:** - 1st March 2022

**Time:** - 04pm – 05pm

**No. Of Students attended workshop:** - 40 – 1st Year student.

**Trainers:** - Aparna Pathak (Technical Secretary – EESA)  
Sagar Patil (Technical Secretary – EESA)

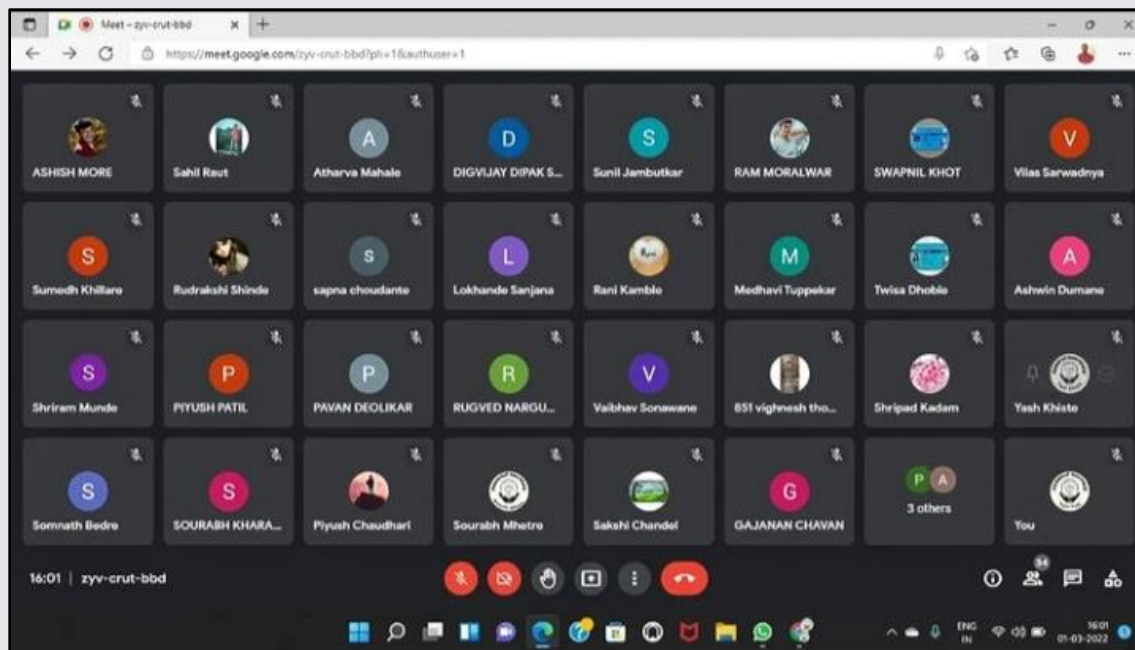
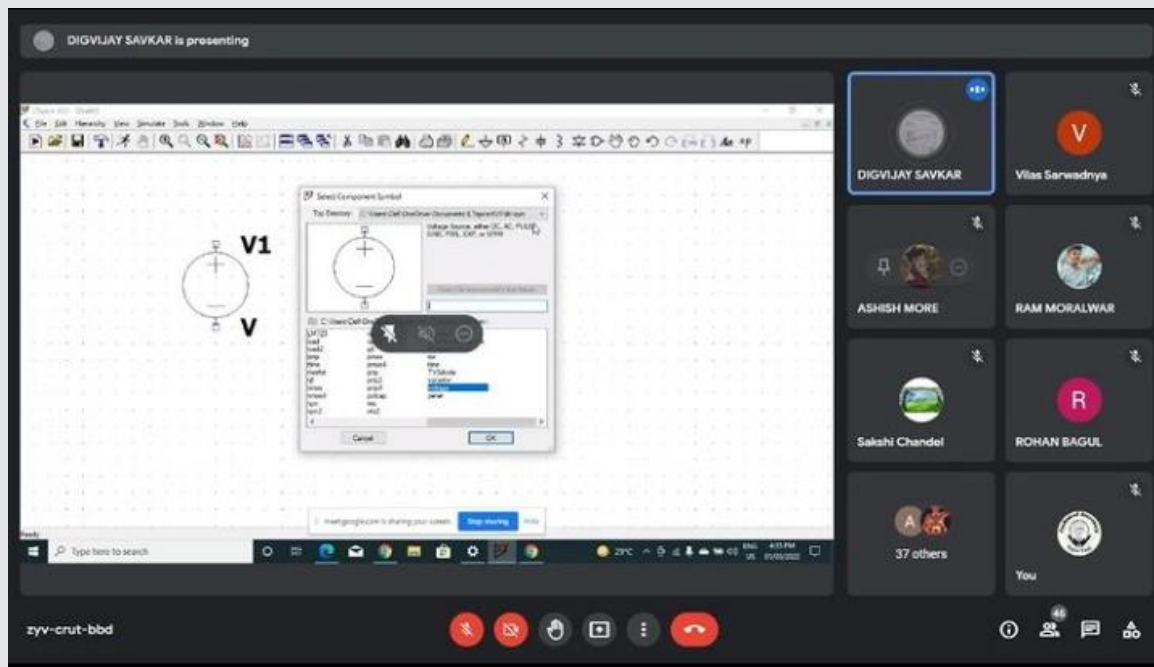
**Guest for the session:** - Dr. Vilas Sarwadnya, Head of department Electrical Engineering, Government Polytechnic College, Nanded

**Purpose of Activity:-** Make First year student aware of various software that we use as an Electrical Engineer for various purpose.

### **Summary: -**

- In the workshop students were taught about various software which will be essential for them as an Electrical Engineer.
- Students were taught about use of Lt Spice, Sequel, Proteus, Circuitverse and Lab view.
  - Lt. Spice
  - Circuitverse
  - Sequel
  - Proteus.
- Guest of the session Introduce students to software, its component and different kind of functions and how to build circuit and run the simulation.

## Glimpse of workshop:-



## **Electrical Software Workshop-3**

**Date:** -16th March 2022

**Time:** - 04pm – 05pm

**No. Of Students attended workshop:** - 35 students

**Trainers:** -Aparna Pathak (Technical Secretary – EESA)

Sagar Patil (Technical Secretary – EESA)

Shravan Sutar (Technical Secretary – EESA)

**Purpose of Activity:** - Make First year and Second year student aware of MATLAB and Simulink software that we use as an Electrical Engineer for various purpose.

### **Summary:** -

- In the workshop our aim to make students aware of some basic commands and how to use MATLAB program and Simulink software.
- Workshop was initiated with basis how to install MATLAB Software.
- Introduction to software, its component and different kind of functions.
- How write,run and use program written in MATLAB program in different application as Electrical Engineer.
- How to build circuit and run the simulation in Simulink.
- 2-3 Examples where explained.
- Cleared all the doubts of students.

## Glimpse of Event:-





## Feedback from students: -

Best session of matlab

Would love if you conduct two more sessions since introduction level was covered in this session. So moderate level and pro level matlab Sessions would really helpful to us till end of our 4 yrs journey.

Basics of matlab programming got cleared and got to know about different commands in matlab but the session was fast paced and got to learn many different functions in matlab. Thank you for the session!

Pre-workshop reading material can be provided to understand the session more clearly.

Good Explanation

It was great experience..

Session was just amazing!!



## EESA CUP

**Date:** - 25<sup>th</sup> March 2022 – 29<sup>th</sup> March 2022

**No. Of Students attended:** - All four classes of the department.

**Secretaries:** - Pralhad Jadhav (Sports Secretary – EESA)  
Nikhil Dhage (Sports Secretary – EESA)  
Sneha Dagade (Sports Secretary – EESA)

Purpose of Activity: -Helping the students to improve and refining their various interpersonal skills such as patience, communication, leadership, accountability, teamwork, trust and others.

### Games Covered:-

- INDOOR GAMES

1. **Chess-**

Winner (Boys)- Chakravarty Sivalingam(S.Y.Electrical)

Winner (Girls)- Riya Salunke(F.Y.Electrical)



2. **Arm wrestling-**

Winner- Harsh N.(T.Y.Electrical)



### 3. Carrom (Boys)-

Winner (Single)- Aniket Nawale(T.Y.Electrical)

Winner (Doubles)- Aniket Nawale(T.Y.Electrical)

Gaurav Gavali(T.Y.Electrical)

### 4. Carrom (Girls)-

Winner (Single) - Vaibhavi Patil(T.Y.Electrical)

Winner (Doubles) - Vaibhavi Patil(T.Y.Electrical)

Sneha Dagade(T.Y.Electrical)



### 5. Table tennis-

Winner (Singles)- Tejendra Patil(S.Y.Electrical)

Winner (Doubles)- Tejendra Patil(S.Y.Electrical)

Rickson (S.Y.Electrical)



- OUTDOOR GAMES-

1. **Box Cricket: -**

Winners- B. Tech Electrical



2. **Rink Football-**

Team of 4 + 2 subs

Winners- S.Y. Electrical



3. **Tug of War-**

Team of 7

Winner -B. Tech electrical



**4. Volleyball-**  
Team of 6+2 subs  
Winner- T.Y.Electrical





### 5. Throwball (Only Girls)-

Team of 6+2 subs

Winners- B. Tech Electrical



### 6. Cricket-

Winner-B. Tech Electrical





### **Summary: -**

- Annual sports event of committee where all four classes of the department competed in various indoor and outdoor sports events for the trophy.
- All the popular sports like cricket, football, volleyball, throw ball, carrom, chess as well as computer games like counter strike were organized under the EESA cup.

### **Glimpse of Event:-**

Professors also try their hands on Cricket and cherish the moment



## Traditional Day



- Traditional Day was celebrated on 29th March, 2022 on the occasion of Satyanarayana pooja . Students from all years of electrical department actively participated in it making it a huge success. It was mainly organized to increase the bonding among classmates after a pandemic break



## Saree & Tie Day

Saree & Tie Day was celebrated on 4th April ,2022. Almost entire class participated in this event. There was Mismatch Day on 30th March, Character Day on 31st March, and Gang Day on 5th April. All years of electrical actively dolled up for the respective days.



# Laboratory Safety

**Date:** - 04th April 2022

**Purpose of Activity:** - Make students aware as an Electrical Engineer what all safety needs to be taken in laboratory.

**Trainers:** - Aparna Pathak (Technical Secretary – EESA)

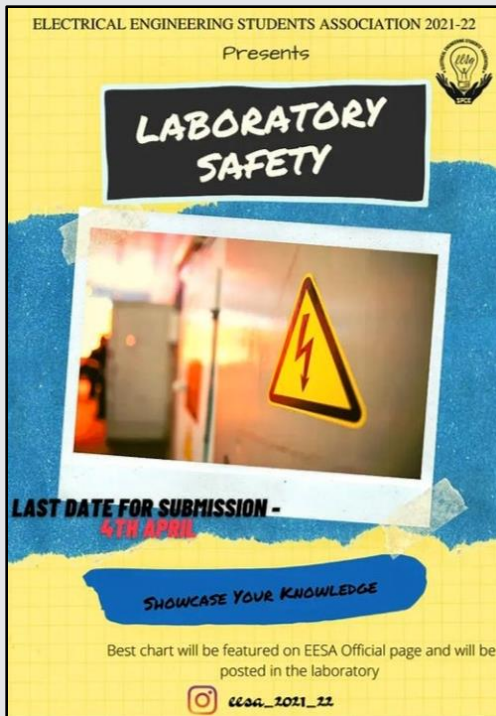
Sagar Patil (Technical Secretary – EESA)

**Purpose of Activity:** - Make students aware as an Electrical Engineer what all safety needs to be taken in laboratory.

## **Summary:** -

1. A safe work environment is not always enough to control all potential electrical hazards. One must be very cautious and work safely. Safety rules help us control our and others risk of injury or death from workplace hazards.
2. Through this event our aim was to make students aware general safety measures taken while using lab.
3. As an upcoming electrical engineer, it is must for one to know the standard safety measures while electrical equipment.

## Glimpse of event:-





### 3. Overload circuits and inappropriate wiring

- Always use the correct wire and extension cord.
- Upgrade wiring as per the need of your equipment.
- Do not overload an outlet and use appropriate circuit breakers.
- Carry out periodical fire risk evaluations to identify risks of inappropriate wiring and overloaded circuits.



### 4. Poor grounding

- This is the common error shown in most of the residential as well as commercial spaces.
- This can lead to electrical injuries.
- Seek professional help to ensure that your home or office has a proper grounding or electrical circuits.



### 5. Wet surroundings

- Water increases the risk of electrocution, especially if the equipment has damaged insulation.
- Make sure that you never operate any electrical equipment in wet locations.
- Always keep the surroundings of such equipment free from any clutter and dry.
- In case electrical equipment has gotten wet, get it checked from a qualified electrician before using it.



### 6. Flawed or inadequate insulation

- Damaged or inadequate insulation equates to a serious electrical hazard.
- Switch off all power sources before resolving the issue and do not attempt to cover the damaged area with tape.



# **Industrial visit to Uran Gas Thermal power station and JNPT Port**

**Date:** - 13<sup>th</sup> April 2022

**Faculty during the visit:** - Dr. Anupa Sabnis, Dean Academics

Dr. Sangeeta Daingade, HOD Electrical Engineering

Dr. Swati Lavand (Assistant Professor, EED)

Mr. Vishal Dake (Assistant Professor, EED)

Mr. Rahul Chavhan (Assistant Professor, EED)

Mrs. Prajakta Joshi (Assistant Professor, EED)

**No. of Students During the visit:** -Total 46 students were there for the visit which include students from 3<sup>rd</sup> year, B. Tech and M. Tech.

**Purpose of Visit:** - To help student know about actual working and application of Power System, Power electronics, Switchgear and Protection, SCADA system.

**Summary:** -

1. Journey for Uran begin from SPCE Entrance at 7.00 am. By 10 am we reached Uran Gas thermal Power station.
2. After all security checking we entered Powerplant. We learnt about different used in thermal power plant, working of thermal powerplant, if there is any fault in system how is it detected. Also got to know about working of SCADA system.
3. By 12pm visit to Uran Gas thermal power-plant was done. After having lunch we moved towards JNPT Ports.
4. In JNPT we got to see switch yard, transmission line substation and JNPT Port.

## Glimpse of the visit:



## **Innovative Project**

**Date:** - 06th May 2022

**Time:** - 12pm-03pm

**No. Of Participants:** - 49- 1<sup>st</sup> Year to final Year student. (16-Groups)

### **Evaluators: -**

1. Dr. B.B. Pimple (Associate Professor, EED)
2. Dr. (Mrs.) Swati A. Lavand (Assistant Professor, EED)
3. Mrs. Ushma Shah (Assistant Professor, EED)

### **Purpose of Activity: -**

Promoting an innovation is indispensable in today's innovation management. But it is also important to generate many ideas that are spun into breakthrough innovations. With this innovative project competition, the students will not only provide a multitude of new ideas, but improves motivation and communication.

### **Summary: -**

On May 06<sup>th</sup>, Electrical Engineering Students Association (EESA) Committee organized an Innovative project competition for students of Electrical Department of Sardar Patel College of Engineering, Mumbai. With this project competition the student will think the new ideas, also it may improves there technical knowledge, presentations skills and the communication skills. As a competition the top best 3 groups are selected and those will be awarded with cash prize. The selection criteria for the top best candidate (groups) are as:-

- Research problem
- How they Design the hardware and the methodology behind this design
- Execution
- Creativity



- How they give presentation
- Society use

**Glimpse of event: -**





## Winners of Event: -



### **1<sup>st</sup> Winner**

Mritunjay Pande  
Sairaj Zore  
Ashok Choudhary



### **2<sup>nd</sup> Winner**

Pranav More  
Piyush Londhe  
Aditya Lad  
Soham Kulkarni



### **3<sup>rd</sup> Winner**

Rickson Arasan  
Pratik Kulkarni  
Satwik Mehta

## **Annual Prize Distribution Function**

**Date:** - 06th May 2022

**Time:** - 02pm-04pm

**Function Venue:** - Room No.119, S.P.C.E. college, Mumbai

### **Purpose of Activity: -**

The purpose of event is to honored student and their achievements in various field such as Sports, Education and culture programs.

### **Summary: -**

On May 06<sup>th</sup>, Electrical Engineering Students Association (EESA2021-22) Committee organized annual prize distribution for students of Electrical Department of Sardar Patel College of Engineering, Mumbai. The principal of college had to come as the Chief Guest. The Function began with Saraswati Vandana. We welcome him with “Tulsi Plant”. And along with that the Chief Guest lit the lamp before the picture of Goddess Saraswati. Immediately after that the Prize Distribution took place.

The Chief Guest distributed the prizes to the winners of the respective fields. Then he delivered a very motivating speech. He advised all the students to work harder in life to get sure success.

## Glimpse of Event













[illegible]

*Gaurav Meshram (Magazine Secretary)*  
*Ruchira Jadhav (Magazine Secretary)*

*EESA Report 2022*

*On Behalf of EESA Committee-2022*