

IE(I) ELECTRICAL CHAPTER NSSCE

ACTIVITY REPORT

2023-2024

ACTIVITY CALENDAR

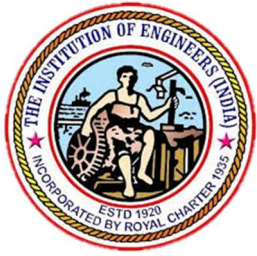
Sl.no	Event name	Nature of activity	Date
1	Webinar on Self driving cars	Webinar	11 th June 2023
2	Atoms in the service of nation	2 day event on Atomic energy	9 th &10 th August 2023
3	Sustantia	Idea pitching contest	3 rd to 21 st September 2023
4	Standardize the future	Poster making contest	29 th Sept to 14 th October 2023
5	Talk to Triumph	Placement talk session	10 th October 2023
6	Ekatva'23	Orientation program for new members	13 th October 2023

ASTHRA'23 WORKSHOP SERIES

7	PCB workshop	Workshop	7 th October 2023
8	Arduino Workshop	Workshop	14 th &15 th October 2023
9	AutoCAD Workshop	Workshop	14 th October 2023
10	Ltspice Workshop	Workshop	15 th November 2023

11	Embedded system Workshop	Workshop	18 th &19 th November 2023
12	Basic wiring Workshop	Workshop	25 th November 2023

13	Industrial Visit to BEML	Industrial Visit	15 th November 2023
14	A Diwali Visit to Kiran Jyothi	A Visit to School of differently abled Children	16 th November 2023
15	Dear Santa	Letter Writing Competition	24 th December to 28 th December 2023
16	Website Launch	Launch of Official Website	9 th February 2024
17	SDW Matlab Workshop	Workshop	28 th February 2024
18	EMPOWHER Photography Contest	Photography Contest	3 rd March to 9 th March 2024
19	EMPOWHER Queens Quizathon	Quiz Competition	6 th March 2024



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ELECTRICAL CHAPTER , N.S.S COLLEGE OF ENGINEERING ,
PALAKKAD – 678008 ,KERALA , INDIA

WEBINAR ON SELF DRIVING CARS

Name of the centre	NSS College of engineering
Title of the program	Webinar on Self Driving Cars
Resource Person	Sreekuttan S
Credential in Brief:	Senior engineer of the Research and development section of Mercedes Benz, India. He is an alumnus of NSS College Of Engineering. He has also Worked with ADAS Centre of Excellence for various activities related to Autonomous Driving and ADAS system development
Program date	11 th June 2023
Number of participants	60

Event Report

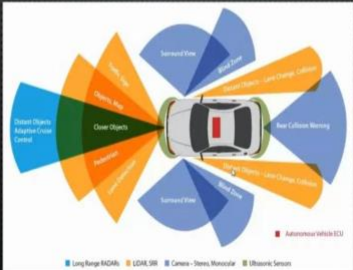
In order to give a brief idea about Self driving cars, IE(I) NSSCE, conducted a webinar. The session was handled by Mr. Sreekuttan , Senior Engineer, Research and development, Mercedes-Benz, India . Ample knowledge was provided on topics such as ADAS, "Transforming from traditional to Zonal architecture," "Multi Sensor Fusion" etc. The session was followed by an excellent panel discussion, which helped students inculcate different ideas and valuable experiences. The final segment of the webinar was an interaction session where many students shared their ideas with the speaker and gained cognition from the same. More than 60 students attended the session. The session was indeed very beneficial for Everyone, and the guidance obtained was incalculable.

SCREENSHOTS TAKEN FROM THE WEBINAR

← IEI Webinar o... ▶ 🔊 🔍

4. PERCEPTION

- WHAT U SEE AND WHAT U PERCEIVE
- AI - DEEP LEARNING



Sreekuttan is presenting 🔊 🔍

Sre... 🔊 🔍

Dr. R... 🔊 🔍

Insti... 🔊 🔍

You 🔊 🔍

ANU... 🔊 🔍

57 others 🔊 🔍



← IEI Webinar o... ▶ 🔊 🔍

4. PERCEPTION

CAMERA



Sreekuttan is presenting 🔊 🔍

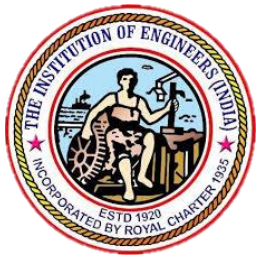
Sre... 🔊 🔍

Dr. R... 🔊 🔍

Insti... 🔊 🔍

MANU KRISHNA K joined





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ATOMS IN THE SERVICE OF NATION

Name of centre	NSS COLLEGE OF ENGINEERING
Title of Program	ANU AWARENESS PROGRAMME
Program Date	9 th and 10 th AUGUST 2023
No. of Participants	600+
Program time	9:00 AM – 4:00 PM

The ATOMS IN THE SERVICE OF NATION was conducted over a span of 2 days- August 9 and August 10 2023 . The programme was conducted by Indira Gandhi council for atomic research (IGCAR) in association with IE(I) STUDENTS CHAPTER, NSSCE.

The programme started off with the introductory session by Shri K R SETHURAMAN, Chief Administrative Officer , IGCAR , Kalpakkam. The introductory session mainly focused on the topic “ Atoms in service of the nation “ . The session was attended by many students from NSSCE as well as from other colleges. This introductory session was followed by another talk session by Shri R. Nandakumar, Assistant Administrative Officer, IGCAR , Kalpakkam based on the topic “Career Prospects in Department of atomic energy. ”

The programme was also beneficial in instilling curiosity and knowledge in the young and fertile minds of the participants through magic shows, movie projections and mobile exhibitions.

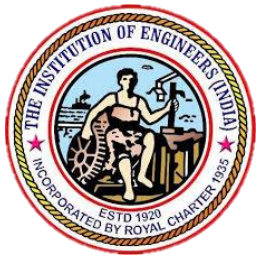
Over a span of 2 days, students in huge numbers came to visit the exhibitions setup for the programme. The exhibition mainly focused on the use of nuclear reactions in space technology and the history of all the successful space missions undertaken by IGCAR . It gave an insight of how nuclear fission and fusion reactions facilitate to power huge projects to the space.

The magic shows conducted helped the participants understand science and scientific reactions better. The mobile exhibitions conducted were a mega eye –opener for many of the participants. They focused on the use of satellites in communication, weather prediction and smart planning of cities.

Many literary and artistic events were also conducted as a part of the programme. These included the drawing competition, quiz competition, Elocution and slogan writing which was actively participated in by the students.

EVENT PHOTOGRAPHS :





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SUSTANTIA

AN IDEA PITCHING CONTEST

Name of centre	NSS COLLEGE OF ENGINEERING
Title of Program	Sustania, an idea pitching contest
Program Date	3 rd September 2023 –21 st September2023
No. of Participants	21 teams
Program time	18 days

IE(I) Electrical chapter NSSCE organised an idea pitching contest as part of Engineers day that started from 3rd December 2023 and ended on 21st December 2023.

The Final round of Sustantia Idea pitching contest was conducted by IE(I) Electrical chapter NSSCE, for the year 2023 on September 21, 2023. A total of 21 teams applied for the contest and in the final round, four selected groups presented their ideas to the panel of judges Dr. Pradip C., Hon. Secretary, IEI Palghat Local Centre, and Dr. Leena N., staff advisor, IEI Electrical Chapter, NSSCE.

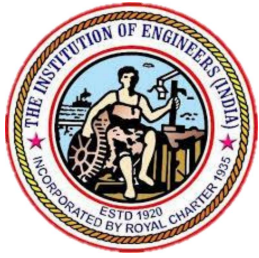
The four groups selected for the final round were “Spark Wit”, “Eco Innovators”, “Cipher” and “Eco Warriors”. The contestants were evaluated later with a series of questions by the judges based on various criteria including the effectiveness, feasibility, applicability and adaptation of their idea, presentation skills, originality and clarity in their ideas.

The team “Eco Warriors” was awarded the first prize and the team “Eco Innovators” was awarded the second prize. The winners of the 2023 Sustantia were selected by the panel and they were awarded with Cash prizes and certificates by Dr. Pradip C and Dr. Leena N. All the teams that participated in the contest were applauded for their effort and were awarded certificates for participation.

Also, Dr. Pradip and Dr. Leena shared their views on "Sustantia" and also enlightened us about sustainable living and how the various groups of contestants were able to contribute their ideas on the topic. Furthermore, they appreciated the participation of students and also encouraged more students to come up with more ideas in future competitions.







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STANDARDIZE THE FUTURE; POSTER MAKING CONTEST

Name of centre	NSS COLLEGE OF ENGINEERING
Title of Program	Standardize the future;Poster making contest
Program Date	29 th September to 8 th October 2023
No. of Participants	7
Program time	10 Days

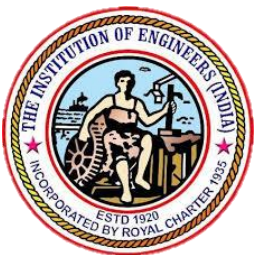
“Standardize the future”, a poster making competition was successfully conducted by IE(I) Electrical Chapter NSSCE as part of World Standards day. The participants have to design a digital poster on the topic "Standardize the future" which means creating a standard or set of rules that will apply to different areas in order to ensure consistency, safety and quality control.

This could include things like standardized product specifications, educational curricula, and more. The poster making competition invites participants to explore this concept through innovative designs that capture the potential for a fully standardized future, as well as any challenges or concerns people may have about it.

In conclusion, the poster making competition was a success with impressive submissions that demonstrated creativity and innovative design. The theme of posture was well represented through various artistic expressions, sending powerful messages to promote better health practices. The winner of the competition is Amruthavarshan of S5 EEE A. He was chosen on the basis of creativity, originality, visual impact, adherence to the theme or topic, artistic skill and overall presentation. Additionally, trends observed indicate increased interest in creative expression around social issues.

EVENT PHOTOGRAPHS





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TALK TO TRIUMPH

PLACEMENT TALK

Name of the centre		NSS College of Engineering	
Title of Program		Placement Talk	
Program Date	10/10/2023	Program Time	10AM to 12PM
Associate Organization		PTIB NSSCE	
No of participants		122	
No of Volunteers		3	

TALK TO TRIUMPH, a placement talk was conducted successfully by IE(I) Electrical chapter in association with PTIB NSSCE on October 10 2023 at PTIB seminar hall .

The event was inaugurated by our respected HOD of electrical department Dr. Saju N. We were blessed to have Dr. Pradeep C, Hon. Secretary ,IEI Palghat Local Centre , as our cheif guest. We also had Dr. Leena N, Placement Co-coordinator NSSCE.

The session was conducted by Sajesh J , Shamrin S, & Praful S Nath who were placed recently at Alstom and Schneider electrical limited.

The event was a two-hour talk that included an interactive session and a Q&A session session along with basic placement training for pre final year students of EEE. Seniors shared their experiences , insights and how they trained themselves for placements.

The topics discussed during the session included : How to crack aptitude tests; marking schemes and general topics of Group Discussions and how to prepare for that ; how to prepare a CV (what should be included and what should not); how to present yourself for an interview ; what are the general questions in an interview and how to answer them.

All the participants got a chance to know more about how the placements work and how to prepare themselves for the placements. The event provided a valuable insight about the placements and definitely was a worthwhile experience for all the participants.

EVENT PHOTOGRAPHS





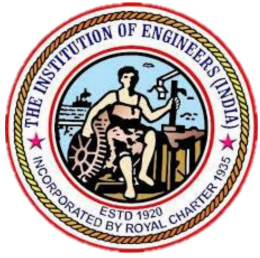
EVENT PARTICIPATION LIST

SL No.	Name	Class	Organisation
1.	Nandana Jayakumar	S5 EEE B	NSS College of Engineering
2.	Vaishnav H	S5 EEE B	NSS College of Engineering
3.	Viswajith M	S5 EEE B	NSS College of Engineering
4.	Sreelakshmi G	S5 EEE B	NSS College of Engineering
5.	Renjith PR	S5 EEE B	NSS College of Engineering
6.	N A Anjali	S5 EEE B	NSS College of Engineering
7.	Praveena P P	S5 EEE B	NSS College of Engineering
8.	Sreeraj R Chandran	S5 EEE B	NSS College of Engineering
9.	Praseetha k	S5 EEE B	NSS College of Engineering
10.	NANDANA SIVADASAN	S5 EEE B	NSS College of Engineering
11.	PRIYAMVADA R	S5 EEE B	NSS College of Engineering
12.	Sridevi vm	S5 EEE B	NSS College of Engineering
13.	Navami S	S5 EEE B	NSS College of Engineering
14.	Amrutha A R	S5 EEE A	NSS College of Engineering
15.	ALKA V R	S5 EEE A	NSS College of Engineering
16.	AMRUTHA A R	S5 EEE A	NSS College of Engineering
17.	Vishal Promod Menon	S5 EEE B	NSS College of Engineering
18.	Amruthavarshann P H	S5 EEE A	NSS College of Engineering
19.	Midhun ramkumar cv	S5 EEE B	NSS College of Engineering

20.	Anaswara	S5 EEE A	NSS College of Engineering
21.	ATHIRA K M	S5 EEE A	NSS College of Engineering
22.	Abhiram Biju V	S5 EEE A	NSS College of Engineering
23.	Shamseena S	S5 EEE B	NSS College of Engineering
24.	Aswathi P B	S5 EEE A	NSS College of Engineering
25.	Vaishnav R	S5 EEE B	NSS College of Engineering
26.	Shradha R	S5 EEE B	NSS College of Engineering
27.	MEERAKRISHNA R	S5 EEE B	NSS College of Engineering
28.	UTHARA R	S5 EEE B	NSS College of Engineering
29.	Bhagyasree N	S5 EEE A	NSS College of Engineering
30.	Arya S	S5 EEE A	NSS College of Engineering
31.	Anna James	S5 EEE A	NSS College of Engineering
32.	SISIRA S	S5 EEE B	NSS College of Engineering
33.	Athira Jayan	S5 EEE A	NSS College of Engineering
34.	ALTHAF M ANSARI	S5 EEE A	NSS College of Engineering
35.	SHREYA SURESH	S5 EEE B	NSS College of Engineering
36.	Yedhu Mohan k	S5 EEE B	NSS College of Engineering
37.	Navya Nair	S5 EEE B	NSS College of Engineering
38.	Sajna M	S5 EEE B	NSS College of Engineering
39.	ABHINAV K	S5 EEE A	NSS College of Engineering
40.	ARCHANA P NAIR	S5 EEE A	NSS College of Engineering
41.	Dhrisya S	S5 EEE A	NSS College of Engineering
42.	JASRIN J	S5 EEE A	NSS College of Engineering
43.	Vidhun k	S5 EEE B	NSS College of Engineering
44.	Sreedevi O R	S5 EEE B	NSS College of Engineering
45.	Anjali V	S5 EEE A	NSS College of Engineering
46.	Vignesh K V	S5 EEE B	NSS College of Engineering
47.	ABHIJITH C G	S5 EEE A	NSS College of Engineering
48.	DEVIKA T H	S5 EEE A	NSS College of Engineering
49.	Vaishnav.KV	S5 EEE B	NSS College of Engineering
50.	ANSIL ALI S	S5 EEE A	NSS College of Engineering
51.	KAILASNADH	S5 EEE A	NSS College of Engineering
52.	Janani N	S5 EEE A	NSS College of Engineering
53.	Arya Ashok	S5 EEE A	NSS College of Engineering
54.	APARNA PRASAD K	S5 EEE A	NSS College of Engineering
55.	Diya S Raveendran	S5 EEE A	NSS College of Engineering
56.	Nikhildas R	S5 EEE B	NSS College of Engineering

57.	Nihad S	S5 EEE B	NSS College of Engineering
58.	Maithri Adithya ET	S5 EEE B	NSS College of Engineering
59.	Midhu K Vijay	S5 EEE B	NSS College of Engineering
60.	Athira N B	S5 EEE A	NSS College of Engineering
61.	Nourin T S	S5 EEE B	NSS College of Engineering
62.	Sayooj Hareesh	S5 EEE B	NSS College of Engineering
63.	AMRITHA RAJ A. P	S5 EEE A	NSS College of Engineering
64.	Anjala Shabnam S	S5 EEE A	NSS College of Engineering
65.	SREELAKSHMI A	S5 EEE B	NSS College of Engineering
66.	Sayyid Usman	S5 EEE B	NSS College of Engineering
67.	Saurabh Sasikumar	S5 EEE B	NSS College of Engineering
68.	ABHIJITH J	S5 EEE A	NSS College of Engineering
69.	Sayyid Umer	S5 EEE B	NSS College of Engineering
70.	hajara pp	S5 EEE A	NSS College of Engineering
71.	Abhay Krishna M M	S5 EEE A	NSS College of Engineering
72.	Anirudh D	S5 EEE A	NSS College of Engineering
73.	Akash. V	S5 EEE A	NSS College of Engineering
74.	Abhishek Menon	S5 EEE A	NSS College of Engineering
75.	Sree Chaithanya N	S5 EEE B	NSS College of Engineering
76.	Naveen Kk	S5 EEE B	NSS College of Engineering
77.	Muhammed Junaid k	S5 EEE B	NSS College of Engineering
78.	Artha Mohan	S5 EEE A	NSS College of Engineering
79.	Nihma K M	S5 EEE B	NSS College of Engineering
80.	Sreelakshmi A	S5 EEE B	NSS College of Engineering
81.	Razin anwar N P	S5 EEE B	NSS College of Engineering
82.	Navami S Pradeep	S5 EEE B	NSS College of Engineering
83.	Nikhil C	S5 EEE B	NSS College of Engineering
84.	Nimisha N	S5 EEE B	NSS College of Engineering
85.	Akshaya B	S5 EEE A	NSS College of Engineering
86.	Mohammed Sajas P	S5 EEE B	NSS College of Engineering
87.	Mohammed Riyaz V	S5 EEE B	NSS College of Engineering
88.	Haritha K	S5 EEE A	NSS College of Engineering
89.	DIYU AHAMMED P	S5 EEE A	NSS College of Engineering
90.	Sarang P	S5 EEE B	NSS College of Engineering
91.	Saurabh Sasikumar	S5 EEE B	NSS College of Engineering
92.	ABHINAND A	S5 EEE A	NSS College of Engineering
93.	Abhishek K M	S5 EEE A	NSS College of Engineering

94.	Ragul d	S5 EEE B	NSS College of Engineering
95.	Sharun K P	S5 EEE B	NSS College of Engineering
96.	Sreenath Krishnan K R	S5 EEE B	NSS College of Engineering
97.	RAMEES MUHAMMAD K	S5 EEE B	NSS College of Engineering
98.	Sreeram P A	S5 EEE B	NSS College of Engineering
99.	Amal PY	S5 EEE A	NSS College of Engineering
100.	Ajay Sarang P	S5 EEE A	NSS College of Engineering
101.	Anusree M Raj	S5 EEE A	NSS College of Engineering
102.	Hanoona E	S5 EEE A	NSS College of Engineering
103.	Bhavana K R	S5 EEE A	NSS College of Engineering
104.	SREELAKSHMI P B	S5 EEE B	NSS College of Engineering
105.	MIDHUN RAJ N	S5 EEE A	NSS College of Engineering
106.	Adithya R	S5 EEE A	NSS College of Engineering
107.	ANAND SEKHAR PC	S5 EEE A	NSS College of Engineering
108.	Sainu Nitha P	S5 EEE B	NSS College of Engineering
109.	Avin.p.v	S5 EEE A	NSS College of Engineering
110.	Abdul Basith T	S5 EEE A	NSS College of Engineering
111.	Fathima K	S5 EEE A	NSS College of Engineering
112.	Archana P Subhash	S5 EEE A	NSS College of Engineering
113.	K V SARADA	S5 EEE A	NSS College of Engineering
114.	Insha A	S5 EEE A	NSS College of Engineering
115.	Shamseena S	S5 EEE A	NSS College of Engineering
116.	Sandeep s	S5 EEE B	NSS College of Engineering
117.	SAHITHYA J I	S5 EEE B	NSS College of Engineering
118.	Sreeram K Iyer	S5 EEE B	NSS College of Engineering
119.	Sooraj p aravind	S5 EEE B	NSS College of Engineering
120.	Anandu C	S5 EEE A	NSS College of Engineering
121.	Sreya P	S5 EEE B	NSS College of Engineering
122.	Pranav Sankar	S5 EEE B	NSS College of Engineering



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EKATVA'23

Name of centre	NSS COLLEGE OF ENGINEERING
Title of Program	EKATVA'23
Program Date	13 th October 2023
No. of Participants	66
Program time	12:00PM to 1:30 PM

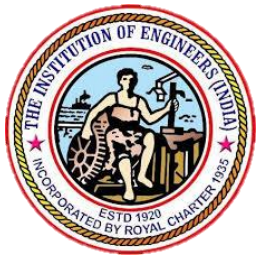
EKATVA was the orientation programme conducted for the First year IE(I) members . The programme was conducted on 13 October , 2023. The guests for the programme were Dr. Pradip C, Hon. Secretary, IE(I) , Palakkad Local Chapter, Dr. Leena N , Staff advisor, IE(I) ELECTRICAL CHAPTER NSSCE. We also had a special guest for the programme – Gayathre Vijayaraghavan, ExStudent Convenor, IE(I) ELECTRICAL CHAPTER NSSCE to address the participants about the experiences she gained after joining IE(I) during her college days.

The programme highlighted the past , present and future events of IE(I) Electrical Chapter, NSSCE. All the events were explained thoroughly through PowerPoint presentations and the need for the programmes conducted was made clear to the participants. The design of the T-shirts for the members of IE(I) ELECTRICAL CHAPTER, NSSCE was also released during this event by Dr. Leena N .

It was then followed by a hands-on LINKED -IN workshop , by SHAMRIN S – Program Lead – IE(I) ELECTRICAL CHAPTER, NSSCE. The session made sure that all the participants were able to create their own profile on the platform and explore new ways to make their profile better. This event has indeed helped to instil a sense of belonging in the minds of the new members. The session was conducted smoothly due to the active participation of the First year IE(I) members as well as the constant efforts of the coordinators and volunteers throughout the programme.

EVENT PHOTOGRAPHS:





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ASTHRA 1 – PCB DESIGNING WORKSHOP

Name of centre	NSS College of Engineering Palakkad
Title of Program	ASTHRA 1 - PCB Designing Workshop
Program Date	7 th October2023
No. of Participants	58
Program time	9:30 AM to 4:00 PM

Session Report

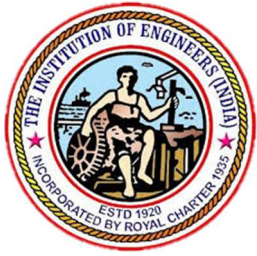
PCB Designing Workshop was the first workshop that was introduced under the Asthra series by IE(I) Electrical Chapter NSSCE. The workshop was conducted on 7th October 2023. The workshop was handled by Renjith and Viswajith.M of S5 Electrical and Electronics Department. PCB or Printed Circuit Boards are the basics building structure of majority of electronics devices. The workshop focused on both software PCB circuit designing as well as hands down PCB board building. The students were given firsthand experience of entire system of PCB.

The event started at 9AM with introduction by Priyamvada R. The participants were split into a group of 2 and were assigned a system. A software named Proteus was used to help the participants to learn and map the PCB designs. This was the gist of first session. After a break of 1 hour from 12:30 to 1:30, the participants were split into a group of 4 and were given hands on training with PCB. At the end of the session, each group of participants were given a project to pitch themselves and come up with a solution.

The event while being knowledgeable was highly enjoyable for the fresher's of NSSCE as it was their first major technical workshop.

EVENT PHOTOGRAPHS





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ASTHRA 2 - ARDUINO WORKSHOP

Name of the centre	NSS College of engineering
Title of the program	ASTHRA 2 - Arduino Workshop
Program date	October 14 th and 15 th 2023
Number of participants	70
Number of coordinators	3
Number of volunteers	4

Arduino Workshop was the second workshop that was introduced under the Asthra series by IE(I) Electrical Chapter NSSCE. It was conducted on 14th and 15th October 2023 at NSSCE and was handled by Suresh P, Associate professor at Al Ameen college of engineering and Executive member of IETE Palakkad Centre. 70 students from various branches attended the workshop.

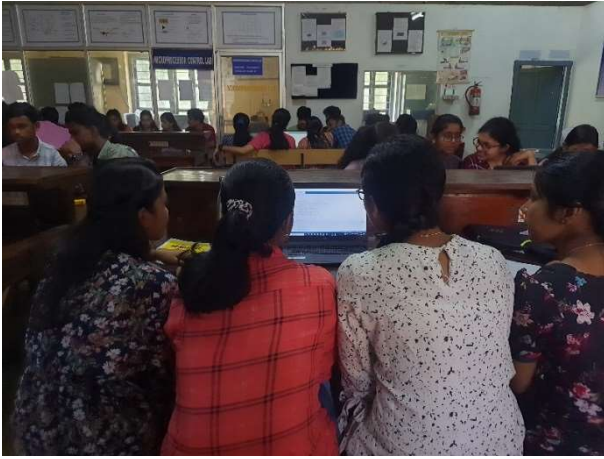
Main focus of the workshop was to do hands on practical session with Node MCU and IOT integration. Node MCU like Arduino is an open-source development board used by developers and hobbyist for creating projects and prototypes and for IOT integration. It has vast collection of supporting libraries developed by open-source users across the world. Learning this platform might help students in developing projects.

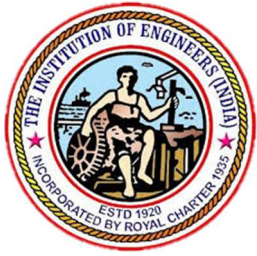
The participants were divided into groups with 4 members each and each group was provided with a kit containing Node MCU development board, necessary cables, LEDs and a temperature and humidity sensor. The first day of the workshop started at 9 am on 14th and mainly focused on simulation of Arduino board in tinker cad and also small hands-on projects like basic LED control by programming the node MCU board. The second session conducted the following day was mainly inclined to IOT and its related functions. Students also learnt how to use the sensors and to obtain data from it. They also learned how to integrate IOT and controlled LEDs connected to the board using mobile application.

The workshop received great feedback from the students who particularly remarked about the simplicity of teaching and the concepts that were presented. The participants were glad to have had the basics of Arduino explored and they are motivated to explore more dimensions in this platform.

EVENT PHOTOGRAPHS







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ASTHRA 3 - AUTOCAD WORKSHOP

Name of the centre	NSS College of engineering
Title of the program	Asthra 3 – AutoCAD Workshop
Program date	October 14 th and 15 th 2023
Number of participants	70
Number of coordinators	3
Number of volunteers	4

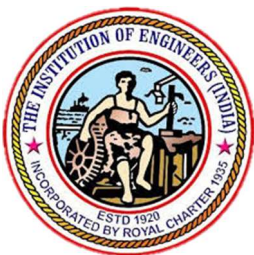
The AutoCAD Workshop was the third workshop that was introduced under the Asthra series by IE(I) Electrical Chapter NSSCE. It was conducted on 14th October 2023. The purpose of the workshop was to provide participants with an introduction to the fundamental concepts and skills required to start using AutoCAD software effectively. The workshop aimed to enhance participants' understanding of AutoCAD's graphical drafting tools, creating 2D designs, and utilizing various features for accurate modelling. The workshop was conducted in a hands-on format, enabling participants to actively practice and apply the concepts learned.

Participants were provided with individual workstations with AutoCAD software installed, ensuring each participant had a practical learning experience. Through the workshop participants got an idea about introduction to AutoCAD, Basic Drawing Commands, Working with Dimensions and Text.

Participants expressed satisfaction with the workshop content and structure. The workshop facilitator received positive feedback for their clear explanations and efforts in guiding participants through various exercises.

The AutoCAD Workshop successfully provided participants with a foundation for using AutoCAD software effectively. Also, during the workshop, we utilized the VR headset paired with specialized AutoCAD software that enables users to interact with 3D models in a virtual environment. Participants were assigned a project at the end of the workshop. Through a hands-on approach, participants were able to enhance their skills and gain confidence in using AutoCAD.





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ASTHRA IV - LT SPICE WORKSHOP

Name of the centre	NSS College of Engineering
Title of Program	ASTHRA IV - LT SPICE Workshop
Program Date - 4/11/23	Program Time - 9:30AM to 1:30PM
No of participants	36
No of volunteers	5

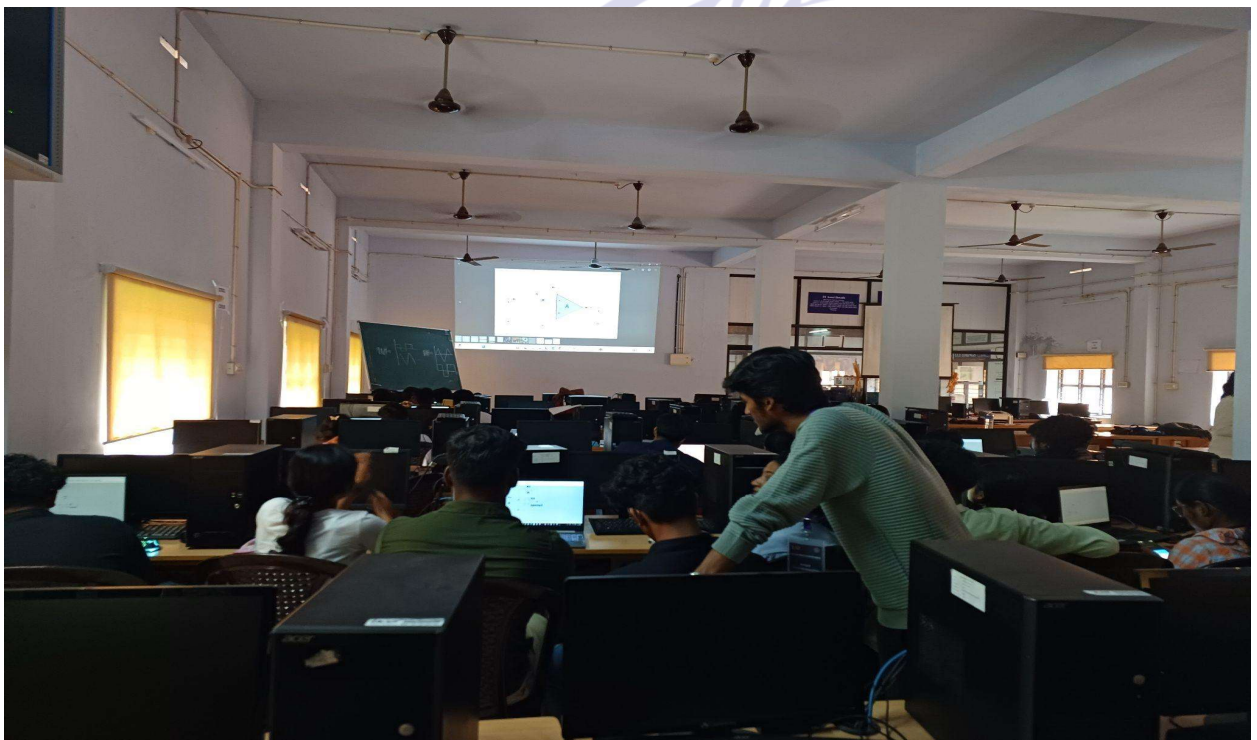
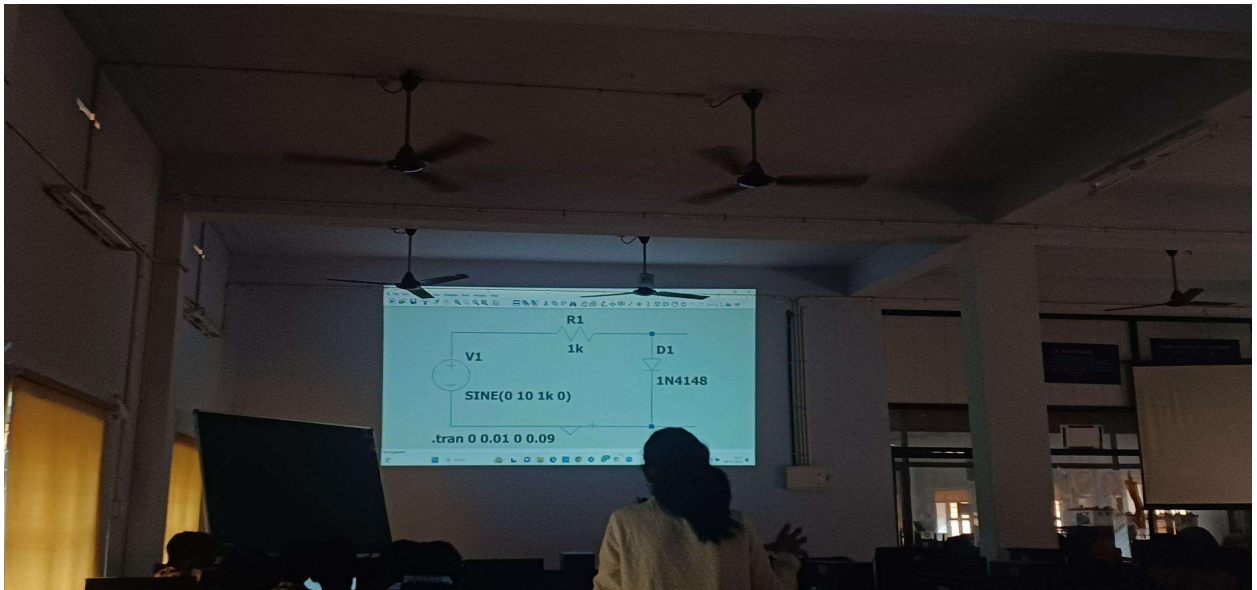
LT SPICE workshop was the fourth workshop under Asthra series conducted successfully by IE(I) Electrical chapter NSSCE on 4th November 2023 at NSS COLLEGE OF ENGINEERING.

The session was handled by P.V.Aryangana, student 3rd year ECE Department. It was a 4 hour session, also the participants were encouraged to execute a mini project at the end of the workshop.

It was an interactive session along with basic information about the software. Various topics like Clipping and clamping circuits, OpAmp Circuits, Integrator and Differentiator, RC Coupled Amplifier, Oscillator were discussed.

All the participants got a chance to gain knowledge about the LTspice software. The workshop was a great success in providing valuable information about LTspice and it was indeed great experience for all participants.

Event photographs -







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ASTHRA V- EMBEDDED SYSTEMS WORKSHOP

Name of centre	NSS College of Engineering, Palakkad
Title of Program	Asthra V – Embedded Systems Workshop
Program Date	18 th & 19 th November 2023
No. of Participants	50
Program time	9:30 AM to 4:00 PM

Session Report

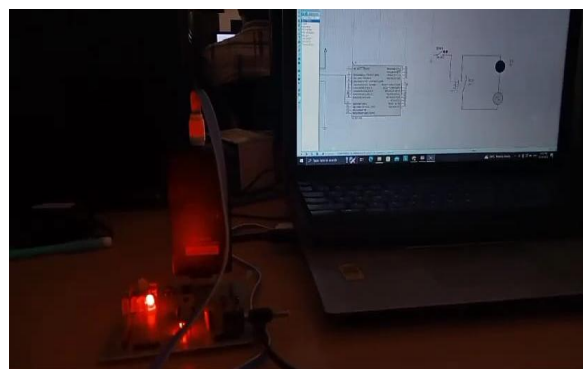
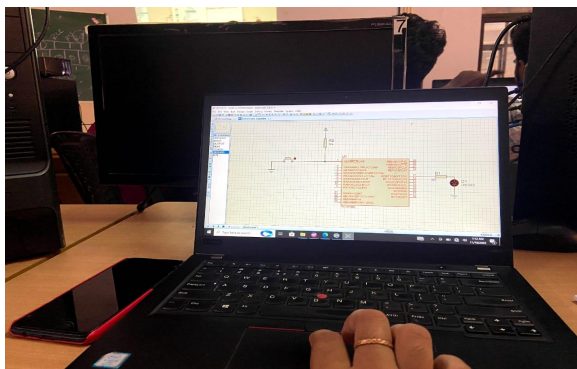
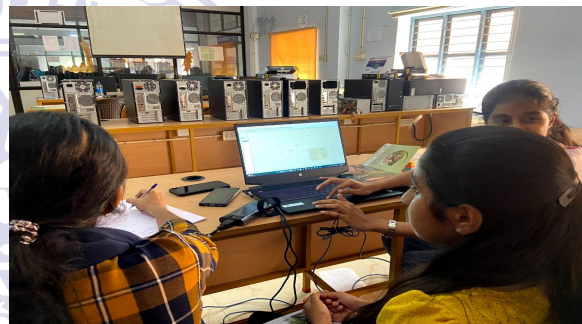
The embedded systems workshop was the 5th workshop conducted as a part of the biggest technical event – ASTHRA by IE(I) ELECTRICAL CHAPTER, NSSCE. The workshop was conducted over a span of two days in the month of November (November 18th & 19th). It focused on providing good connectivity techniques and technical scope of the microchip pic microcontroller.

Day 1 started off with the instructors providing a detailed description regarding the microcontroller and the basic functioning of all the components and control signals. This included a very clear idea about the TRIAC, SET & RESET controls. This also helped the participants gain a thorough knowledge regarding the different functionalities of the control signals of the microprocessor. This was set up using the MPLAB IDE software and proteus software.

Day 2 started off with the instructors helping the participants setup small circuits with the help of the microcontroller. The first step, however, was explaining the circuit to the participants and making them simulate it using the Proteus software. The next step included using the MPLAB software to set up the program in the microcontroller and observe the outputs.

This workshop has indeed been successful in providing the participants with a great knowledge about the working of the microcontroller and the various functionalities of the same.

EVENT PHOTOGRAPHS





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INDUSTRIAL VISIT TO BEML

Name of centre	BEML Kanjikode
Title of Program	Industrial Visit
Program Date	15 th November 2023
No. of Participants	48
Program time	9:30 AM to 12:00 PM

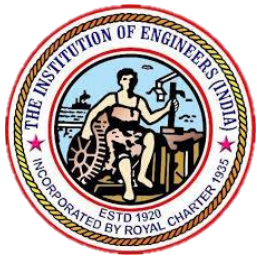
The industrial visit to BEML Kanjikode, meticulously organized by the IE(I) Electrical Chapter at NSSCE, proved to be an enriching experience for the participants. The visit commenced with a comprehensive overview of BEML's contributions to the electrical engineering domain through a detailed presentation. This laid a strong foundation for the subsequent facility tours, where participants witnessed the practical implementation of theoretical concepts. The organized interactions with BEML's proficient engineers and experts provided valuable insights into the latest advancements in electrical engineering, fostering a bridge between academic knowledge and industry applications.

The facility tour highlighted BEML's state-of-the-art infrastructure and showcased the integration of cutting-edge technologies in their manufacturing processes. Participants had the opportunity to witness the production and testing of electrical components used in heavy machinery, gaining a profound understanding of the industrial-scale application of electrical engineering principles. The visit, overall, succeeded in not only enhancing the technical knowledge of the participants but also fostering a deeper appreciation for the practical implications of their academic learnings.

Furthermore, the industrial visit served as a platform for networking and professional development. Interactions with industry professionals allowed participants to seek guidance, clarify queries, and establish potential connections for future collaborations. The IE(I) Electrical Chapter at NSSCE successfully orchestrated an event that not only broadened the participants' perspectives but also strengthened the ties between academia and industry, contributing significantly to their holistic learning experience.

EVENT PHOTOGRAPHS





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DIWALI VISIT TO KIRAN JYOTI SCHOOL FOR THE MENTALLY CHALLENGED

Name of centre	Kiran Jyoti School for Mentally Challenged,Kollengode
Title of Program	Diwali Visit
Program Date	16 th November 2023
No. of Participants	20
Program time	9:30 AM to 2:00 PM

As part of Diwali celebrations, (16 November 2023), the members of the IE(I) ELECTRICAL CHAPTER, NSSCE visited KIRAN JYOTI SCHOOL FOR THE MENTALLY CHALLENGED, KOLLENGODE to spread joy and celebrate the festival with the students and staff. The visit commenced with a warm welcome from the school staff and students. The members were greeted with great enthusiasm, setting a positive tone for the day.

The members organized various interactive games to ensure the active participation of students at Kiran Jyoti. The performances were adapted to be inclusive and engaging for everyone, promoting a sense of togetherness. They also showcased the various cultural skills like singing, dancing etc. These sessions aimed at providing an educational and enjoyable experience. Spending time with them gently reminded us to have a pure heart which was free from hatred and also the art of embracing the present moment.

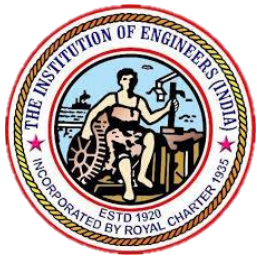
Profits from all the prior workshops and events conducted by the chapter were beneficial in providing the students at Kiran Jyoti with sweets, gifts and lunch. Each and every student at Kiran Jyoti expressed their immense gratitude in their own way. The Diwali visit to Kiran Jyoti School for the Mentally Challenged by the Chapter was indeed a heart-warming and enriching experience. The event showcased the spirit of giving and community service, emphasizing the importance of inclusivity and compassion during festive celebrations.

EVENT PHOTOGRAPHS



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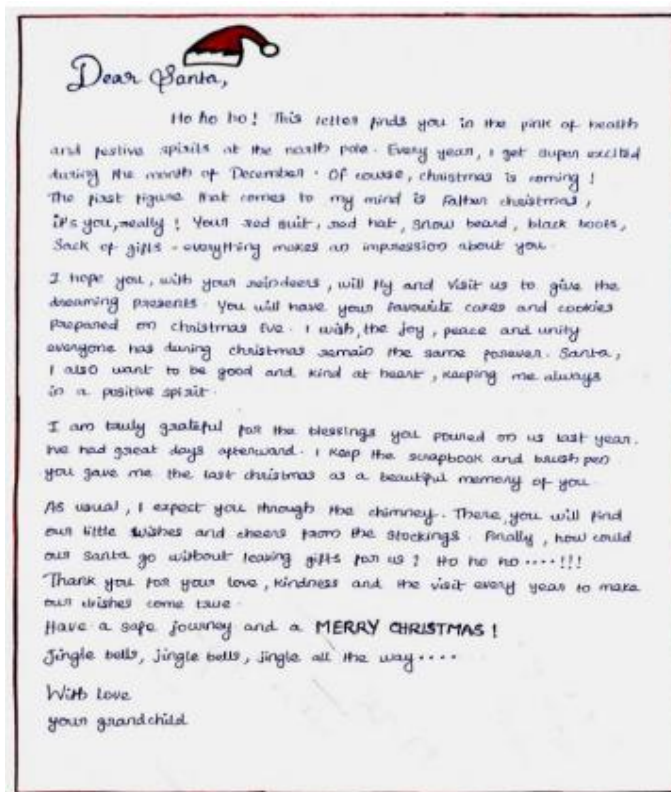
DEAR SANTA; CHRISTMAS LETTER WRITING CONTEST

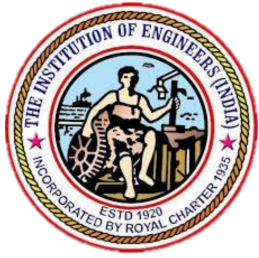
Name of centre	NSS COLLEGE OF ENGINEERING
Title of Program	Dear Santa; Christmas letter writing contest
Program Date	24 th December to 28 th December 2023
No. of Participants	6
Program time	5 Days

“Dear Santa Christmas Contest”, a letter writing competition was successfully conducted by IE(I) Electrical Chapter NSSCE as a part of Christmas 2023. The participants were told to write a letter to the Santa or express gratitude to someone who embodies the spirit of Santa in their life. The letter writing competition invited participants to express the spirit of kindness and love that sparkle in the festive season.

In conclusion, the letter writing competition was a success with impressive submissions that demonstrated creativity and innovative thoughts. The theme of letter was well presented through various creative thoughts and expressed the gratitude to someone who embodies the spirit of Santa in their life. The winner of the competition is Karunya S of S3 ECE. She was chosen on the basis of creativity, originality, adherence to the theme or topic, artistic skill and overall presentation.

EVENT PHOTOGRAPHS





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WEBSITE LAUNCH

Name of centre	NSS COLLEGE OF ENGINEERING
Title of Program	Website launch
Program Date	9 th February 2024
No. of Participants	60
Program time	12:30PM to 1:30 PM

IE(I) Electrical Chapter NSSCE achieved a significant milestone with the official launch of its website on February 9, 2024. The event took place in the presence of esteemed dignitaries, including the Head of EEE Department-Dr. Saju N, Staff Advisor of the IE(I) Electrical Chapter-Dr. Leena N, the Honourable Secretary of the IE(I) Palghat Local Chapter-Dr. Rajesh Menon, Dr. Sujith S, Dr. Satheesh Krishnan G, and other faculty members

One of the core members delivered a warm welcome speech, followed by insightful remarks from the HOD about the IE(I) Electrical Chapter NSSCE. The Honourable Secretary commended the team's collaborative effort and unwavering dedication. The staff advisor expressed satisfaction with being associated with the club, highlighting their efforts and emphasizing the significance of the IE(I).

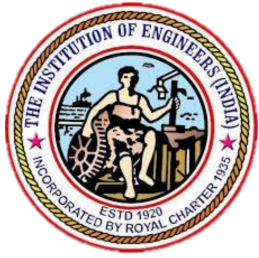
The head of the department initiated the website launch, followed by Mr. Nidhish, the Tech and Media lead providing an explanation of the website's features and details. The website features a dedicated section showcasing the successful past events organized by the chapter. The inclusion of details about upcoming events on the website promotes transparency and enables interested individuals to plan their participation.

The website features a user-friendly interface that makes it simple for both members and visitors to use. It was the collaborative efforts and dedication of Navajyoth Satheesh of S4 EEE, Vishwajith K of S2 EEE, and Sajesh J, Nidhish S P, and Praful S Nath of S8 EEE. The platform offers an extensive collection of details concerning the IE(I) Electrical Chapter, encompassing events, publications, and resources for its members.

In a nutshell, the whole event was a grand success, as the chapter received abundant appreciation and compliments from everyone

EVENT PHOTOGRAPHS





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SDW MATLAB WORKSHOP

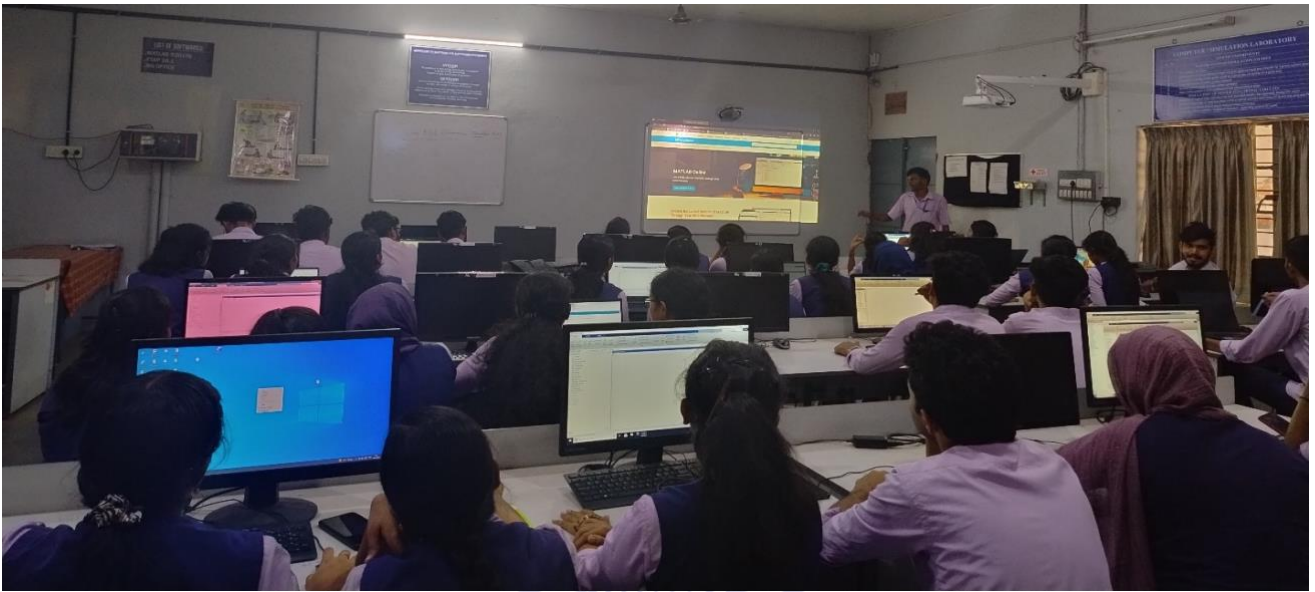
Name of centre	NSS COLLEGE OF ENGINEERING
Title of Program	SDW MATLAB WORKSHOP
Program Date	28 th February 2024
No. of Participants	52
Program time	2:00PM to 4:00 PM

The MATLAB workshop jointly organized by the Institution of Engineers (India) Electrical Chapter, NSSCE and the Innovation and Entrepreneurship Development Cell on February 28, 2024, as part of Skill Development Week marked a successful collaboration aimed at advancing technical education and fostering innovation within the engineering community.

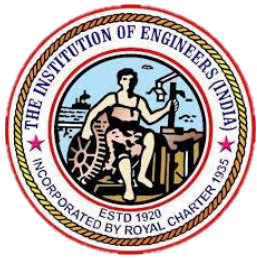
The workshop was handled by Mr. Abhijith S of the S8 Electrical and Electronics Department. MATLAB is a programming language that helps to compute, design, simulate, visualize, and analyse systems. It provides functions for integrating MATLAB-based algorithms with external applications and languages such as C, Java, Microsoft Excel, etc. MATLAB's programming interface gives developers development tools for improving code quality, maintainability, and performance.

The workshop covered the basics of programming in MATLAB and an introduction to Simulink. It helped the participants gain knowledge of MATLAB. The sessions were designed to deepen participants' understanding of the language and its applications. The interactive nature of the sessions allowed participants to actively engage with the experts, facilitating a dynamic learning environment. It encourages hands-on learning and application of MATLAB in real-world scenarios.

EVENT PHOTOGRAPHS







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EMPOWHER QUEEN'S QUIZATHON

Name of the centre	NSS College of Engineering
Title of the Program	Queens Quizathon
Program Date - 6/3/24	Program Time – 3:00PM to 5:00PM
No of participants	36
No of volunteers	8

IE(I) Electrical Chapter , NSSCE successfully organized a quiz competition titled "The Queen's Quizathon" on March 6th, 2024, in honor of International Women's Day. This event was exclusively for female students of the institution.

Eighteen teams vied for the top prize, competing in three knowledge-testing rounds. The first round challenged their historical knowledge, tasking them with identifying groundbreaking women throughout history. Round two assessed their visual recognition skills, presenting images of influential women for them to identify. The final round tested their critical thinking and deduction abilities, requiring them to guess the personalities based on minimal clues.

Four teams emerged victorious from the preliminary rounds, advancing to the finals. Team SPARKLES, comprised of ANAMIKA and APARNA S2 EEE, clearly outshined the competition, accumulating the most points across all rounds. Dr. Leena N Nair promptly presented the winning team with their well-deserved monetary prize following the competition. The competition fostered a positive and inclusive environment, prioritizing learning and enjoyment alongside success. A spirit of friendly competition prevailed throughout the event, with participants actively supporting and encouraging one another.

Event Photographs





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EMPOWHER PHOTOGRAPHY CONTEST

Name of the centre	NSS College of Engineering
Title of the program	EmpowHER Photography Contest
Program date	3 rd to 9 th March 2024
Number of participants	20

IE(I) Electrical Chapter, NSSCE in celebration of International Women's Day hosted an online photography contest called "Woman Around You." Students from across the state participated, capturing the essence of the women who inspire them. Three particularly impactful entries were shortlisted from a wide range of submissions showcasing diverse women's roles and stories. The contest judged entries based on originality, composition, and emotional impact. Photography's unique power lies in its ability to freeze a moment in time, conveying a wealth of emotion and story through a single image. This contest not only recognized photographic talent but also served as a powerful tribute to the remarkable women in our lives.



IE(I) ELECTRICAL CHAPTER NSSCE



EMPOWHER

PHOTOGRAPHY CONTEST 

1st prize



PRANITH R
S4 IC , NSSCE

2nd prize



T B VISHNUPRASAD
S4 EEE , NSSCE

3rd prize



JEEVAN SANTHOSH
S6 CS , SCTCE



UPCOMING EVENTS

20	Opportunities in Abroad for higher education	Talk session	20 th March 2024
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VERBAL VANGUARD'24 SOFT SKILL DEVELOPMENT SERIES			
21	Off the Cuff	Extempore Competition	19 th March 2024
22	IntelleSphere	GD Competition	22 nd March 2024
23	Diaelectical	Debate Competition	26 th March 2024
24	Pitch Perfect	PowerPoint Competition	2 nd April 2024

XPLORIQ TECHNICAL QUIZ SERIES			
25	Quiz 1	Quiz Competition	21 st March 2024
26	Quiz 2	Quiz Competition	27 th March 2024
27	Quiz 3	Quiz Competition	4 th April 2024

28	LED Bulb making Workshop	Workshop	25 th March 2024
29	MarketCrafts	Stock market Workshop	3 rd April 2024

30	AGM cum MAGAZINE LAUNCH	AGM	5 th April 2024
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MEMBERSHIP MILESTONE

