IEEE | STUDENT BRANCH Toc H

IEEE

IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

IEEE SB Toc H

TALK ON ENTREPRENEURSHIP AND BUILDING A CAREER IN STOCK MARKET

On April 12, 2023, as part of ROBOCON'23, IEEE SB Toch presented a talk session on entrepreneurship and buildin a career in stock market.The guest speaker was Mr Vibipal Raveendran,founder and ceo of Growio Trading Consultancy.

Goal	To provide insights and guidance to individuals who are interested in pursuing a career in entrepreneurship or investing in the stock market.
Date	13th April 2023
Time	3:00PM TO 4:00PM
Coordinators	1 execom member
Platform/ Venue	TocH Institute Of Science And Technology
Concentration Level(SB Level/Section Level/National Level)	SB level
Event Type	Technical Event

OVERVIEW

Details of the entire program are as follows

3:00PM TO 3:15PM

The speaker Mr Vibipal Raveendran, provided an overview of the talk's objectives, which was to provide insights and guidance on entreprneurship.

3:25PM TO 3:40PM

The speaker discussed the qualities and characteristics commonly found in successful entrepreneurs and investors, su as resilience, risk-taking, and a willingness to learn from failure.

:40PM TO 3:50PM

or those interested in starting their own business, the speaker provided guidance on how to develop a business plan cluding identifying a market need, creating a product or service, and marketing and selling the product or service.

50PM TO 4:00PM

e speaker shared some practical tips for success in entrepreneurship and the stock market, such as staying focuse ur goals, being persistent and patient, and continuously learning and adapting.

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IEEE SB Toc H

TALK ON CO-CREATING WITH THE MACHINE REPORT

On April 12, 2023, as part of ROBOCON'23, IEEE SB Toch presented a talk session on co creating with the machine The guest speaker was MrArvindSanjeev, cofounder of Lumen World

Goal	The goal of the talk conducted on co-creating with the machine is to educate and inspire the audience on the benefits, challenges, and opportunities of collaborating with AI to enhance creativity, productivity, and innovation.
Date	13th April 2023
Time	1:30PM TO 3:00PM
Coordinators	1execom member
Platform/ Venue	TocH Institute Of Science And Technology
Concentration Level(SB Level/Section Level/National Level)	SB level
Event Type	Technical Event

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OVERVIEW

Details of the entire program are as follows

1:30PM TO 1:40PM

The speaker MrArvindSajeev defined the topic by giving a brief idea about what AI is.

1:40PM TO 2:15PM

The advancments of AI in various areas such as machine learning and deep learning was explained in detail by the speaker

2:15PM TO 2:45PM

The rise of AI chatbots and virtual assistants raising concerns about the future of customer service jobs were also discussed.

2:45PM TO 3:00PM

In the end its drawbacks were discussed.

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IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

IEEE SB Toc H

ROBOCON'23

PCB DESIGN WORKSHOP

IEEE SB TOCH has initiated the event of Robocon'23- PCB DESIGN WORKSHOP from 10:00AM to 4:00PM coordinated by two Execom members held at Toc H Institute of Science & Technology, Arakkunnam on 13th April 2023

Goal	To Impart knowledge to the students with EASYEDA software, to provide a working introduction to the design and layout of printed circuit boards and to introduce students the use of routing and design verification.
Date	13th April 2023
Time	10:00AM-4:00PM
Coordinators	2 Execom members
No. of participants	41
Platform/ Venue	Toc H Institute of Science & Technology, Arakkunnam
Concentration Level(SB Level/Section Level/National Level)	National Level
Event Type	Technical event

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OVERVIEW

Details of the entire program are as follows

10:00AM To 11:00AM

Participation: Active participation was seen among the students which signified their strong interest in the course being offered to them.

11:00AM To 11:30AM

Welcoming Ceremony:

- The Chief guest was welcomed by the coordinators.
- Introduction of the Chief guest and brief introduction about the workshop.

11:30AM To 1:00PM

Commencement Of the Workshop:

- An introductory session was given by Ms.Kallu Co-founder, Revertech IT Solution.
- EASYEDA was introduced to the students as a user-friendly tool.
- Students were taught basics of a printed circuit board.
- EASYEDA software was familiarized in the end.

1:00PM To 2:00PM

Lunch Break

2:00PM To 3:30PM

Hands On Session with EASYEDA SOFTWARE:

- Students were provided with Individual PC.
- Students were taught to design basics circuits and introduced to different tools and it's function.

PROJECT:

- Students were asked to place and route components on the PCB, define board shape and size, add copper pour areas and traces.

3:30PM To 4:00PM

Ending Ceremony

- Feedback form was circulated among the group of students
- A group photo was taken to commemorate the event
- Heartfelt gratitude was expressed by Coordinators to the Chief Guest Ms.Kallu, Co-founder, Revertech IT Solutions

by proposing the vote of thanks

IEEE | STUDENT BRANCH Toc H

IEEE Robotics & Automation Society

IEEE

IEEE ROBOTICS AND AUTOMATION SOCIETY STUDENT BRANCH CHAPTER Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY (IEEE RAS SBC Toc H)

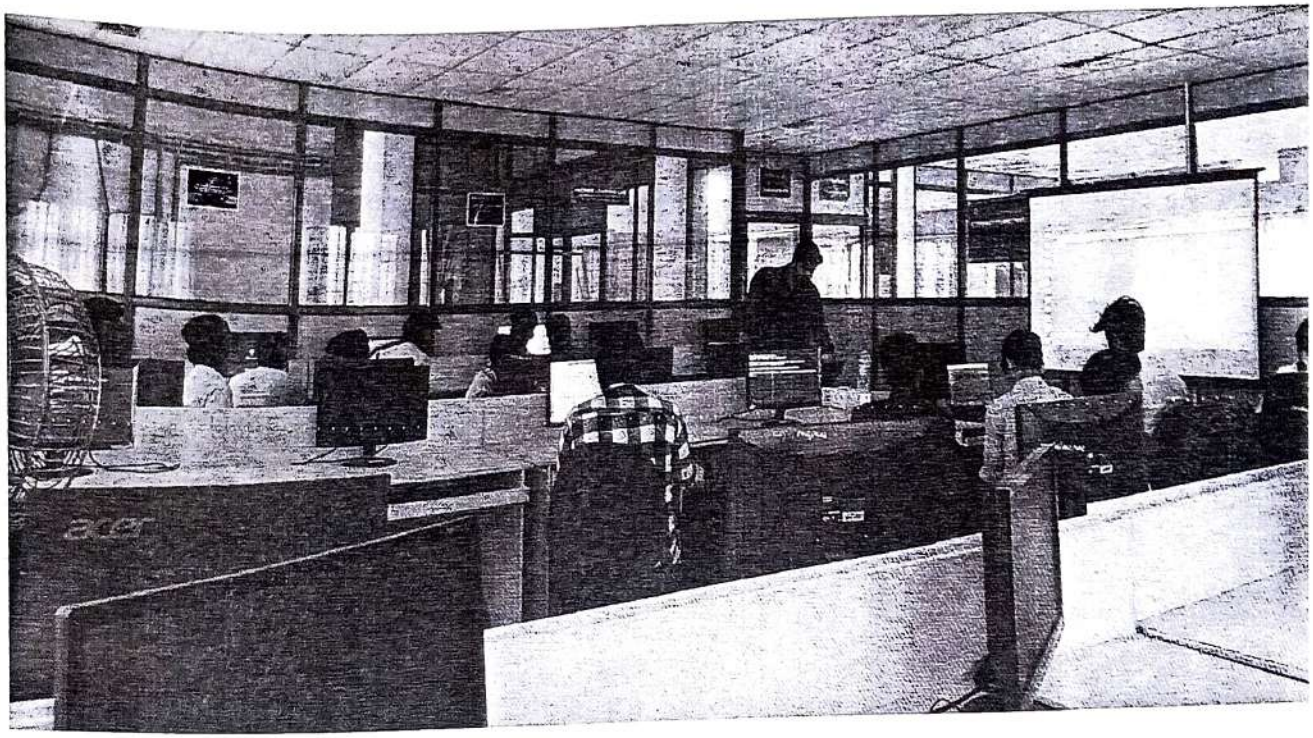
REPORT on: Autonomous Driving Systems Workshop

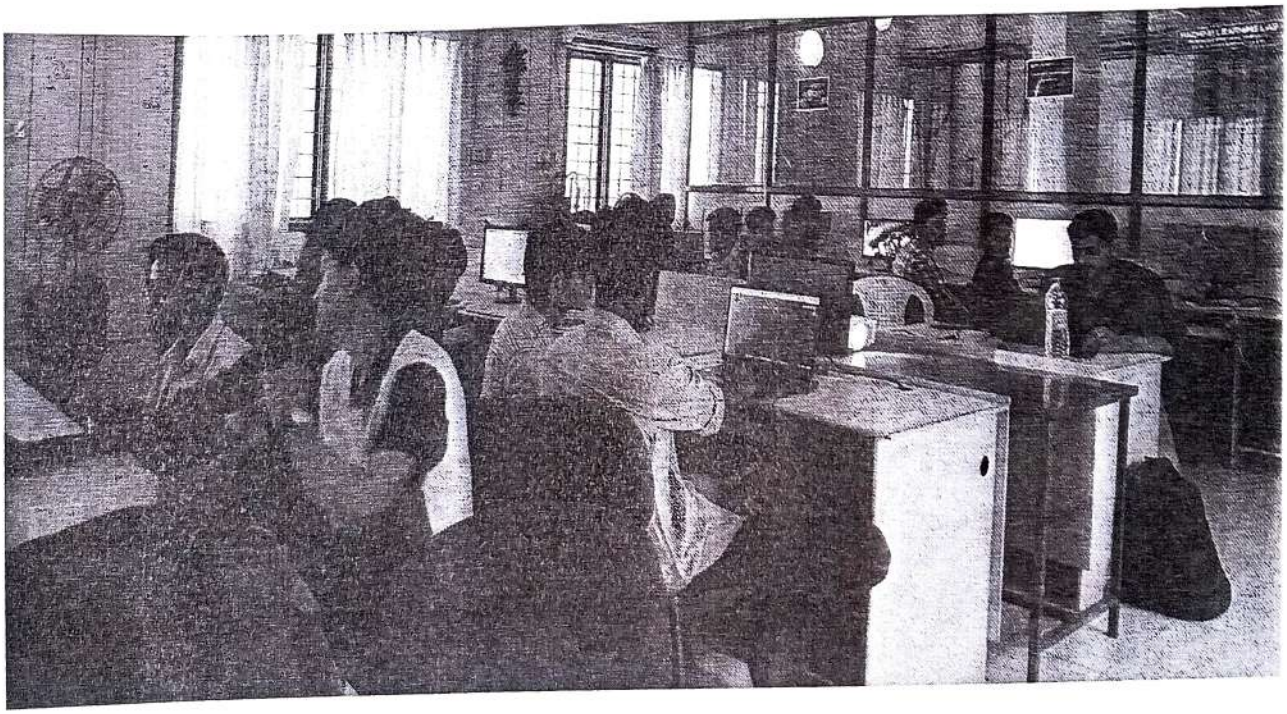
This is the report to intimate the events detailing that IEEE RAS SBC Toc H has successfully conducted a workshop on Autonomous Driving Systems as part of 'ROBOCON 2023'-the two-day national robotics and automation conclave organized by IEEE SB Toc H in association with the Department of Electronics and Communication Engineering and in collaboration with IEEE RAS SBC RSET and IEEE RAS Kerala Chapter on 13th April, 2023.

GOAL	To provide knowledge to students of the latest trends in Automation using Python and also to demonstrate the real-life implementation of this in Driving Systems
Date	13th April, 2023
Time Zone	Asia-Kolkata
Time	10:00 AM – 3:30 PM
Coordinators	2 Execom Members
Venues	Toc H Institute of Science and Technology
Concentration Level (SBLevel/Section Level/National Level)	National Level
Event Type	Technical
IEEE/NON-IEEE Participants	IEEE Members:1 Non-IEEE Members:18

Time and Date	Programme
13th April, 2023 10:00 AM	The participants assembled in the lab for the workshop and the resource person : Mr. Midhun, from Revertech IT Solutions, began the session with the basics of Python and its online implementations were shown to the participants and the participants could emulate this is their own systems.
10:00 AM - 1:00 PM	The session went on with Mr. Midhun explaining in detail all the necessary areas required for Python and its application in automation and how machine learning can be used to ensure that an efficient and reliable form of program can be built from scratch. Further the different sides of Python programming methods and functions were discussed and its implementations were done and understood by all the participants.
1:00 PM - 2:00 PM	Lunch Break
2:00 PM – 4:00 PM	The session reconvened with the resource person explaining in detail about autonomous driving systems and its need and use in many future projects. With the help of slides, he explained how companies like Tesla and others use Autonomous Monitoring Systems to their advantage and he also briefed about the use of the different types of machine learning and its areas of application. The resource person, Mr. Midhun also presented to the participants the idea of the Scrappy software and demonstrated to the participants in real-life how many websites can be used to collect data and information. The session ended with the additional information of providing an online support for the provision of explaining a program containing the code related to automation and its sister areas.

PHOTOGRAPHS:





IEEE ROBOTICS AND AUTOMATION SOCIETY

STUDENT BRANCH CHAPTER

Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

(IEEE RAS SBC Toc H)

REPORT: ELECTRIC VEHICHLE WORKSHOP –"ROBOCON 2023"

This is the report to intimate the events detailing that **IEEE RAS SBC Toc H** has successfully conducted a workshop on **"ELECTRIC VEHICLES"** as part of 'ROBOCON 2023'-the two-day national robotics and automation conclave organized by **IEEE SB Toc H** in collaboration with the **IEEE RAS SBC RSET and IEEE RAS Kerala Chapter** on 12th and 13th April, 2023.

GOAL	To provide knowledge to students about the basics of Electric Vehicles and to design a new EV based on the requirements given.
Date	13th April 2023
Time Zone	Asia-Kolkata
Time	10 AM to 4 PM
Coordinators	2 Execom Members and 1 Student Volunteer
Venue	M-Tech Power and Simulation Lab Einstein Block
Concentration Level (SB Level/Section Level/National Level)	National Level
Event Type	Technical
IEEE/NON-IEEE Participants	IEEE Members -2 Non-IEEE Members -16

Time and Date	Programme
18 th April 2023 10 A.M	All the participants assembled in the lab for the Electric Vehicle workshop. The workshop was taken by our beloved resource person Mr. Muhammad Salmun along with Anitha K R from Rivertech IT Solutions. He began the workshop by giving the comparison of electric vehicle over IC engines.
10 A.M to 12.30 P.M	Then he introduced various parts of electric vehicle and explained it briefly to the students. He gave an idea about the working of hybrid EV's in the market and point out the advantages of hybrid EV's in India's traffic conditions. He explained about the evolution of EV. Mam explained about advancements in V2G connection and its practical applications.
12.30 P.M to 1.30 P.M	Lunch Break
1.30 PM to 4 P.M	After the refreshments sir continued his session by explaining the basic deigning of an Electric vehicle. He encouraged students to design an Electric car's battery by giving necessary values and equations, thereby improving optimization values of participants. Sir discussed about his own race car model during his academic year. This creates a new drive through among students and they are curious to know more about his project and expreience. Students were very interactive to the resource person and he was so enthusiastic to clear all of the doubts.

PHOTOGRAPHS

IEEE ROBOTICS AND AUTOMATION SOCIETY

STUDENT BRANCH CHAPTER

Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

(IEEE RAS SBC Toc H)

REPORT: HACKATHON –"ROBOCON 2023"

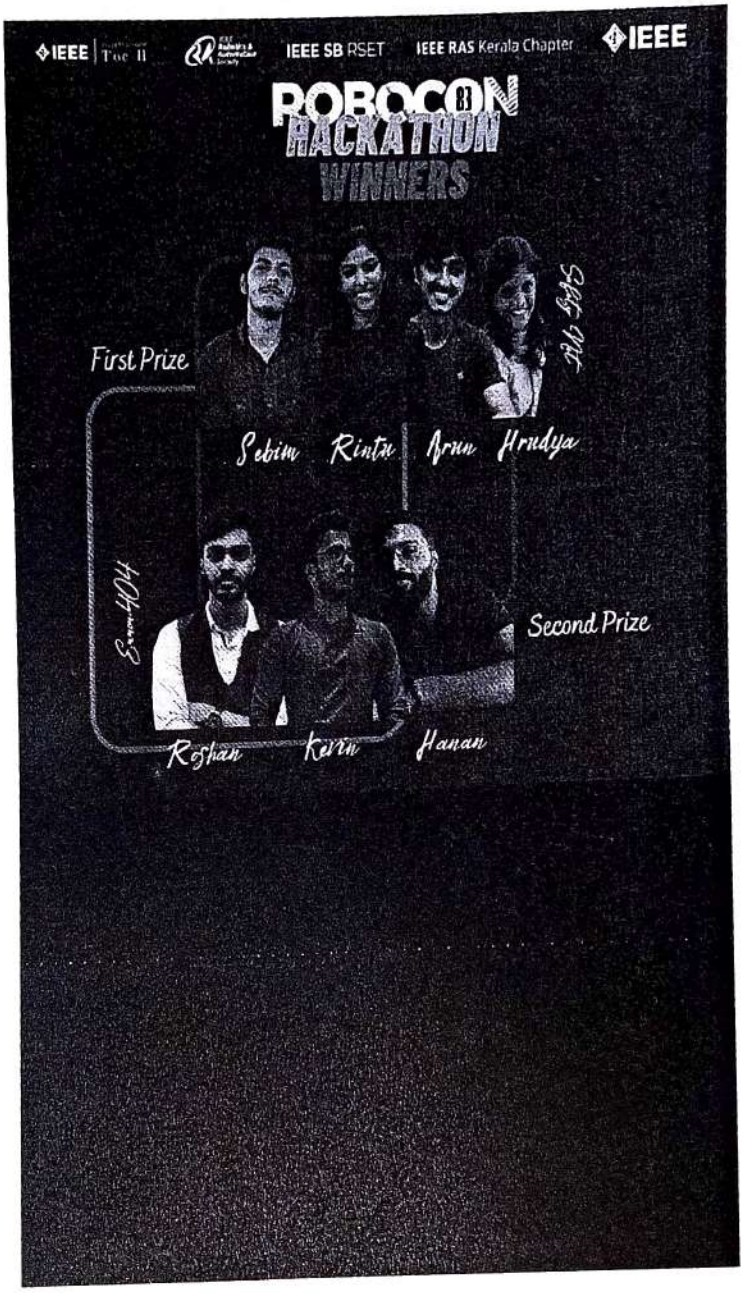
This is the report to intimate the events detailing that **IEEE RAS SBC Toc H** has successfully conducted a **HACKATHON** as part of 'ROBOCON 2023'-the two-day national robotics and automation conclave organized by **IEEE SB Toc H** in collaboration with the **IEEE RAS SBC RSET and IEEE RAS Kerala Chapter** from 12th April, 2023 to 13th April.

GOAL	The goal of the hackathon was to inspire and challenge the participants to create innovative and impactful hardware projects in a short span of time.
Date	12th April 2023
Time Zone	Asia-Kolkata
Time	5:00 PM(12th)- 5:00 PM (13th)
Coordinators	Shilpa, Sreelakhsmi
Venue	Ramanujan Hall, Aryabhatta block
Concentration Level (SB Level/Section Level/National Level)	National Level
Event Type	Technical

IEEE/NON-IEEE Participants	17 TEAMS

Time and Date	Programme
12th April 2023 10AM	All the participants assembled in the venue for the hackathon. The hackathon started with an opening ceremony and a briefing of the rules and guidelines
12PM	Participants set up their workspaces and decided on a topic they would work on (participants could choose any topic). Then participating teams registered their topics and worked on their project in the designated workspaces.
13th April 2023 10 AM	Participating teams started assembling the hardware for their projects. The teams then started working on their presentations.
12PM	The teams presented their projects to the three different judges in a five-minute pitch followed by a Q&A session. Finally, the hackathon ended with a closing ceremony and a feedback session.

WINNERS OF THE HACKATHON



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IEEE SB Toc H

TALK ON DIGITAL TWIN FOR CYBER PHYSICAL SYSTEM

On April 12, 2023, as part of ROBOCON'23, IEEE SB Toch presented a talk session on digital twin for cyber physica system. The guest speaker was Dr Nilotpal Chakraborty, assistant professor in IIIT Kotayam.

Goal	The goal of a talk conducted on digital twin for cyber-physical systems would be to provide a comprehensive understanding of the concept of digital twin and its applications in the domain of cyber-physical systems
Date	12th April 2023
Time	2:30PM TO 4:00PM
Coordinators	1 execom member
Platform/ Venue	TocH Institute Of Science And Technology
Concentration Level(SB Level/Section Level/National Level)	SB level
Event Type	Technical Event

OVERVIEW

Details of the entire program are as follows

2:30PM TO 2:45PM

The speaker Dr Nilotpal Chakraborty introduced the various components of a digital twin and its use in cyber physica systems.

2:45PM TO 3:05PM

It was followed by an analogue on the benefits of using digital twins

3:05PM TO 3:30PM

The speaker then explained how it would provide a real world examples of how digital twins are being used in variou industries.

3:30PM TO 3:45PM

e speaker then followed up the talk by presenting the future of digital twins such as the potential for new applications.

3:45PM TO 4:00PM

The speaker then covered the challenges and limitations of using digital twins.

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IEEE SB Toc H

TALK ON REMOTE SENSING REPORT

On April 12, 2023, as part of ROBOCON'23, IEEE SB Toch presented a talk session on remote sensing. The guest speaker was Dr. Abhilash S, director of ACARR CUSAT.

Goal	To gain a better understanding of how remote sensing technologies can be used to study and monitor weather and climate patterns
Date	12th April 2023
Time	1:30PM TO 3:00PM
Coordinators	1execom member
Platform/ Venue	TocH Institute Of Science And Technology
Concentration Level(SB Level/Section Level/National Level)	SB level
Event Type	Technical Event

OVERVIEW

Details of the entire program are as follows

1:30PM TO 1:55PM

The speaker DrAbhilash S began by providing an overview of remote sensing technology, which involves using sensors to detect and measure the electromagnetic radiation that is emitted or reflected from the Earth's surface from which various maps and images can be created.

1:55PM TO 2:20PM

Applications Of Remote Sensing for weather

The speaker then discussed some of the specific applications of remote sensing for weather research. For example, remote sensing can be used to monitor the movement and intensity of storms, track changes in temperature and precipitation patterns etc.

2:20PM TO 2:45PM

Applications of Remote Sensing for Climate

The speaker also highlighted some of the ways in which remote sensing is used in climate research. For example, remote sensing can be used to track changes in ice cover and sea levels, monitor the health of forests and other vegetation, and measure the amount of carbon dioxide and other greenhouse gases in the atmosphere.

2:45 PM TO 3:00PM

Challenges in Remote Sensing

The speaker also discussed some of the challenges associated with remote sensing for weather and climate research. For example, weather patterns and climate conditions can be highly variable and difficult to predict, which can make challenging to collect accurate and reliable data. In addition, the cost of remote sensing equipment and the need for specialized training and expertise can also be a barrier to its widespread use.

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MASTERING BLENDER WORKSHOP REPORT

IEEE SB TOCH has conducted a workshop on Blender , which comes under the the National Event ROBOCON'23 from 10:00AM to 4:00PM coordinated by threeExecom members and one IEEE member volunteerat Toc H Institute of Science and Technology , Aarakkunnam on 12th April 2023. There were about 29 participants present to attend the workshop.

Goal	In this workshop, students will get an experience in mastering the art of 3D modeling.
Date	12th April 2023
Time	10:00AM-04:00PM
Coordinators	Three Execom members and one IEEE member volunteer.
Platform/ Venue	Toc H Institute of Science and Technology, Aarakkunnam
Concentration Level(SB Level/Section Level/National Level)	National Level
Event Type	Technical event

OVERVIEW

Details of the entire program are as follows

10:00AM-12:30PM

- Workshop began.
- Introduction of Blender software was given.
- Basics were taught.

12:30PM - 1:30PM

- Lunch was provided
- Given time to visit the expo

1:30PM - 3:45PM

- Evening session started
- Animation and shading in blender were taught
- Finally made an awesome project

3:45PM - 4:00PM

- Workshop end
- Vote of thanks

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IEEE SB Toc H

ROBOCON'23

MAT-LAB EVENT WORKSHOP

IEEE SB TOCH has initiated the event of Robocon'23-MAT-LAB BOOTCAMP from 9:00AM to 4:00PM coordinated by two Execom members held at Toc H Institute of Science & Technology, Arakkunnam on 12th April 2023

Goal	To Impart knowledge to the students with MATLAB software, to provide a working introduction to the MATLAB technical computing environment and to introduce students the use of a high-level programming language.
Date	12th April 2023
Time	9:00AM-4:00PM
Coordinators	2 Execom members
Platform/ Venue	Toc H Institute of Science & Technology, Arakkunnam
Concentration Level(SB Level/Section Level/National Level)	National Level
Event Type	Technical event

OVERVIEW

Details of the entire program are as follows

9AM To 10PM

Participation: Active participation was seen among the students which signified their strong interest in the course being offered to them.

10:00AM To 11:00PM

Welcoming Ceremony:

- The Chief guest was welcomed by the coordinators.
- Introduction of the Chief guest and brief introduction about the workshop.

11:30AM To 1:00PM

Commencement Of the Workshop:

- An introductory session was given by Ms.Kallu Co-founder, Revertec IT Solution.
- MATLAB was introduced to the students as a user-friendly tool.
- Students were also taught basics of programming.
- MATLAB software was familiarized in the end.

1:00PM To 2:00PM

Lunch Break

2:00PM To 3:30PM

Hands On Session with MATLAB SOFTWARE:

- Students were provided with Individual PC.
- Students were taught basics arithmetic operations and Introduced to different functions and tools.

PROJECT:

- Students were asked to enter a year and find out whether it's a leap year or not.

3:30PM To 4:00PM

Ending Ceremony

- Feedback form was circulated among the group of students
- A group photo was taken to commemorate the event
- Heartfelt gratitude was expressed by Coordinators to the Chief Guest Ms.KalluCo-founder, Revertec IT Solutions

by proposing the vote of thanks

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IEEE SB Toc H

ROBOCON '23 PROJECT EXPO REPORT

IEEE SB TOCH has conduct a Project Expo , which comes under the the National Event ROBOCON'23 from 9:00AM to 4:00PM coordinated by twoexecom members, one IEEE member volunteer and one faculty in charge at Toc H Institute of Science and Technology , Aarakkunnam on 12th and 13thApril 2023. There were about 16 participants present to compete with each other.

Goal	To encourage students and young researchers to showcase their innovative ideas and projects in various fields such as science, technology, engineering, and mathematics (STEM). The competition provides a platform for participants to present their research findings and innovative solutions to real-world problems.
Date	12th and 13th April 2023
Time	9:00AM-4:00PM
Coordinators	2execom members, 1 IEEE member volunteer and 1 faculty in charge
Platform/ Venue	Toc H Institute of Science and Technology
Concentration Level(SB Level/Section Level/National Level)	National Level
Event Type	Technical event

OVERVIEW

Details of the entire program are as follows

DAY 1 : 12th April

9AM To 9:30PM

Registration: Active registration was seen among the students which signified their strong interest in the short course being offered to them.

9:30AM To 10:30PM

Inauguration Ceremony:

- The school prayer song was sung by the school choir.
- A welcome address was given by the school head boy followed by the presindential address from the school principal.

10:30AM To 12:30PM

Commencement Of The project Expo :

- A welcome session was given by Hafiz, Chairman of IEEE SB TOCH.
- Slots/ Stalls were arranged for the participant for Project Expo.
- All the necessary arrangements including power points were setup earlier.

12:30PM To 1:30PM

Lunch Break

1:30PM To 2:30PM

Time allotted for the students and guests to visit the Project Expo :

- Students from all the department and classes visited the venue of Project Expo.
- Students were allowed to interact with the Participants

2:30PM To 4:00PM

First round of Valuation

- Three judges from various departments were allotted to conduct the valuation

DAY 2 : 13th April

9AM To 11:00AM

Time allotted for the students and guests to visit the Project Expo :

- Students from all the department and classes visited the venue of Project Expo.
- Students were allowed to interact with the Participants

11:00AM To 12:30PM

Second round of Valuation

- Three judges from various departments were allotted to conduct the valuation

12:30PM To 1:30PM
Lunch Break

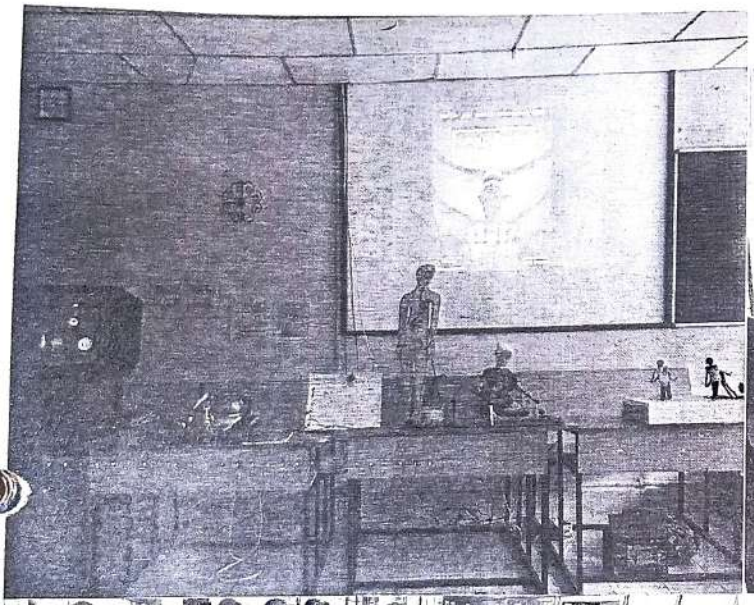
1:30PM To 2:30PM
Time allotted for the students to visit the Project Expo :

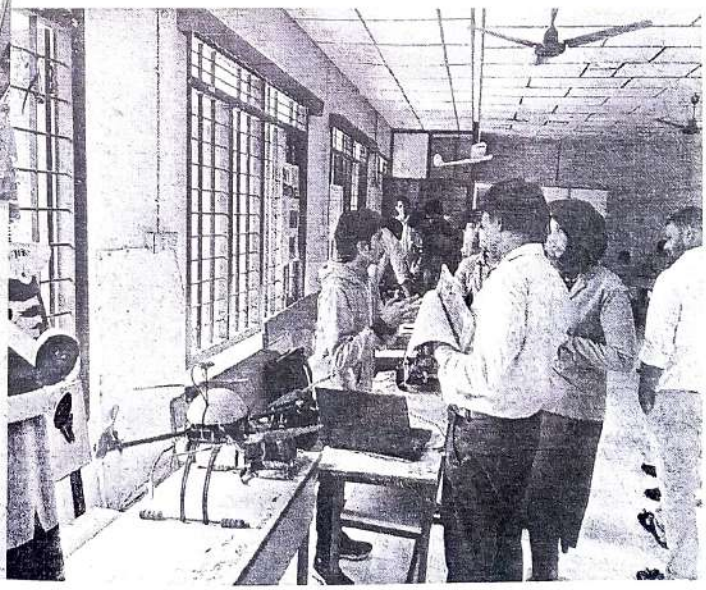
- Students from all the department and classes visited the venue of Project Expo.
- Students were allowed to interact with the Participants

2:30PM To 3:00PM
Clearing the Venue of Project Expo

3:00PM To 4:00PM
Prize Distribution Ceremony

- The team Sky Sentinel won the first prize and a cash prize of Rupees 10000/-
- The team Electric Vehicle won the Second prize and a cash prize of Rupees 5000/-
- Prizes were distributed by the Chairman IEEE, Kochi Sub Section.





IEEE POWER AND ENERGY SOCIETY
STUDENT BRANCH CHAPTER
Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
(IEEE PES SBC Toc H)

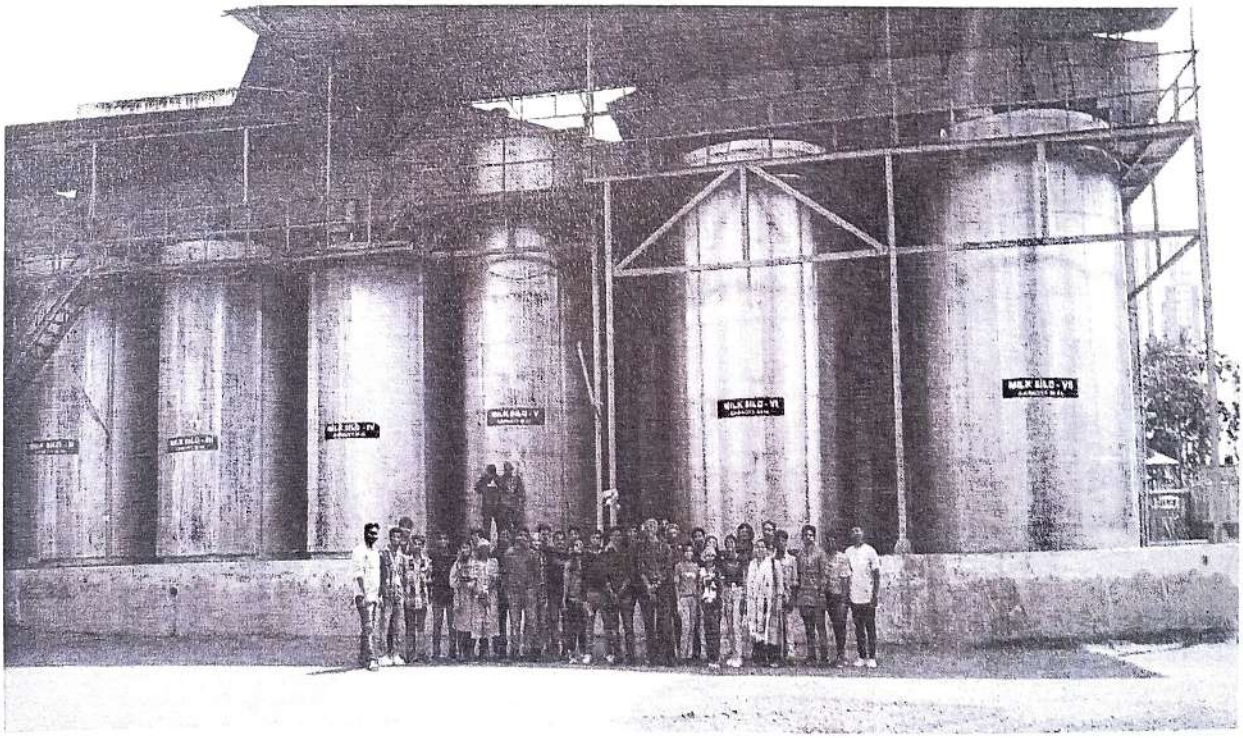
REPORT:ENERGIA 2023-DAY TWO

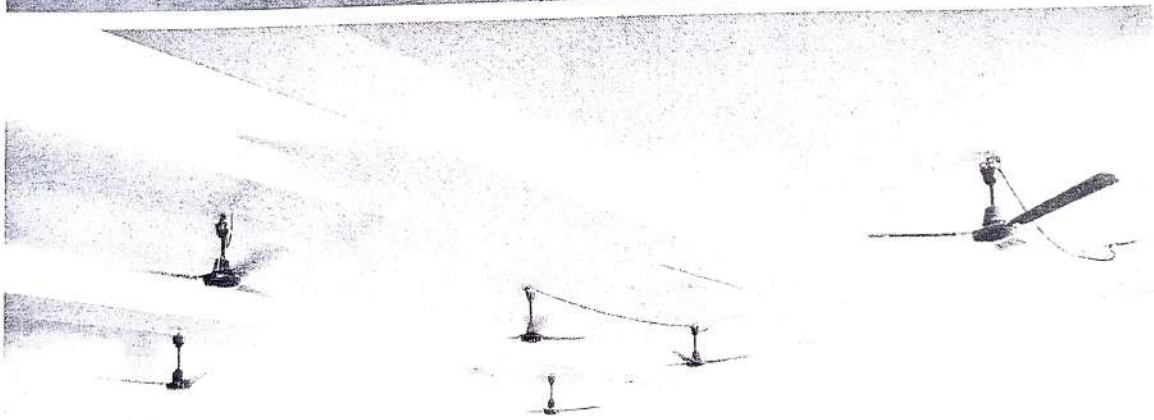
This is the report to intimate the events detailing that IEEE PES SBC Toc H has successfully conducted DAY TWO of **ENERGIA 2023,** a two-day event organized by IEEE SB Toc H in association with the Department of Electrical and Electronics Engineering on 18th March, 2023.

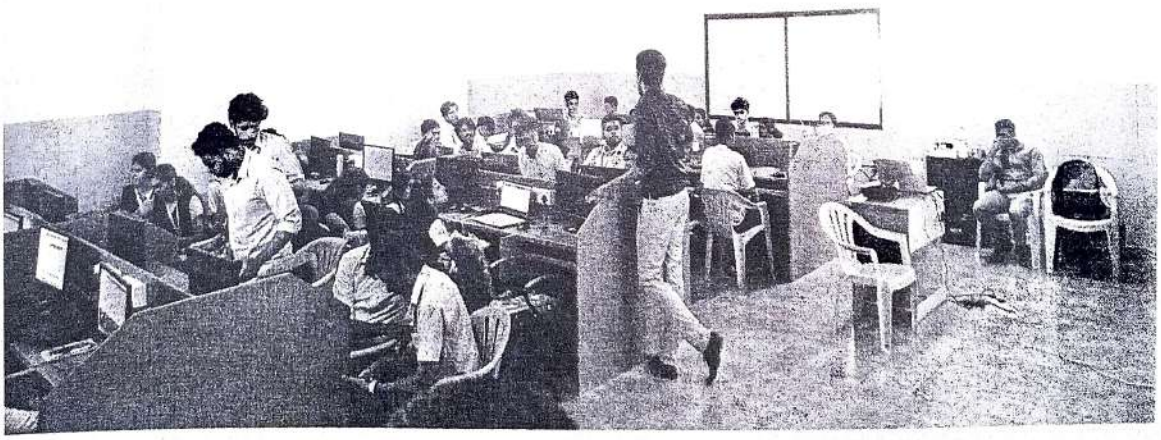
GOAL	To familiarize the students with a diary industry and the various energy conservation opportunities.
Date	18th March, 2023
Time Zone	Asia-Kolkata
Time	9:30 AM – 1:15 PM
Coordinators	4 Execom Members
Venue	Ernakulam Regional Cooperative Milk Producers' Union (Ernakulam Milk Union), Milma, Thrippunithura
Concentration Level (SBLevel/Section Level/National Level)	SB Level
Event Type	Industrial
IEEE/NON-IEEE Participants	IEEE Members:9 Non-IEEE Members:24
Expense incurred	Rs. 2,790/-

Time and Date	Programme
18th March, 2023 9:20 AM	The students assembled in the college and departed to the Milma Diaries, Thrippunithura in the college bus. The group was headed by the PES Chapter Advisor Asst.Prof Mangala Devi K T and the 33 students including the Volunteers were shown into the industry by the security officials which has become the biggest one in the State in terms of storage and processing capacity with the conclusion of a major development programme.
10:00 AM – 12:30 PM	One of the employees guided the students through the various stages of the production. Firstly, he introduced to the students the Pasteurizing Compartment and explained the working of the various machines and its capacities in terms of kilo-liters per hour. Next, the Creaming and Packing Sections were visited. The motors and conveyor belts were in full display for the students to observe and to learn the working. The students were finally taken to the Storage compartment and its various insulating techniques and containment measures were explained. The students were able to gain an insight into the various stages of milk processing, starting from pasteurizing, to the cream separator and the ghee making units.
12:30 - 1:00 PM	The students were then shown how the milk is pumped through automatic filling machines directly into packets. The machines are carefully sanitized and packages are filled and sealed without human hands and this keeps outside bacteria out of the milk which helps keep the milk stay fresh.
1:00 PM – 1:15 PM	The students were also briefed on the news of the foundation stone for a solar power project that was laid in the year 2022 and once commissioned, how it will be the country's first fully solar powered diary plant The solar power project with 2 MW capacity will be installed at Milma Dairy Plant, Tripunithura with an outlay of Rs 11.5 crore provided through the National Dairy Development Board. With the implementation of solar project, electricity consumption can be reduced to almost 90% in the plant. After a short photo session and after a little time at the Milma Store the students departed from the industry.

PHOTOGRAPHS:







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IEEE PES
Power & Energy Society

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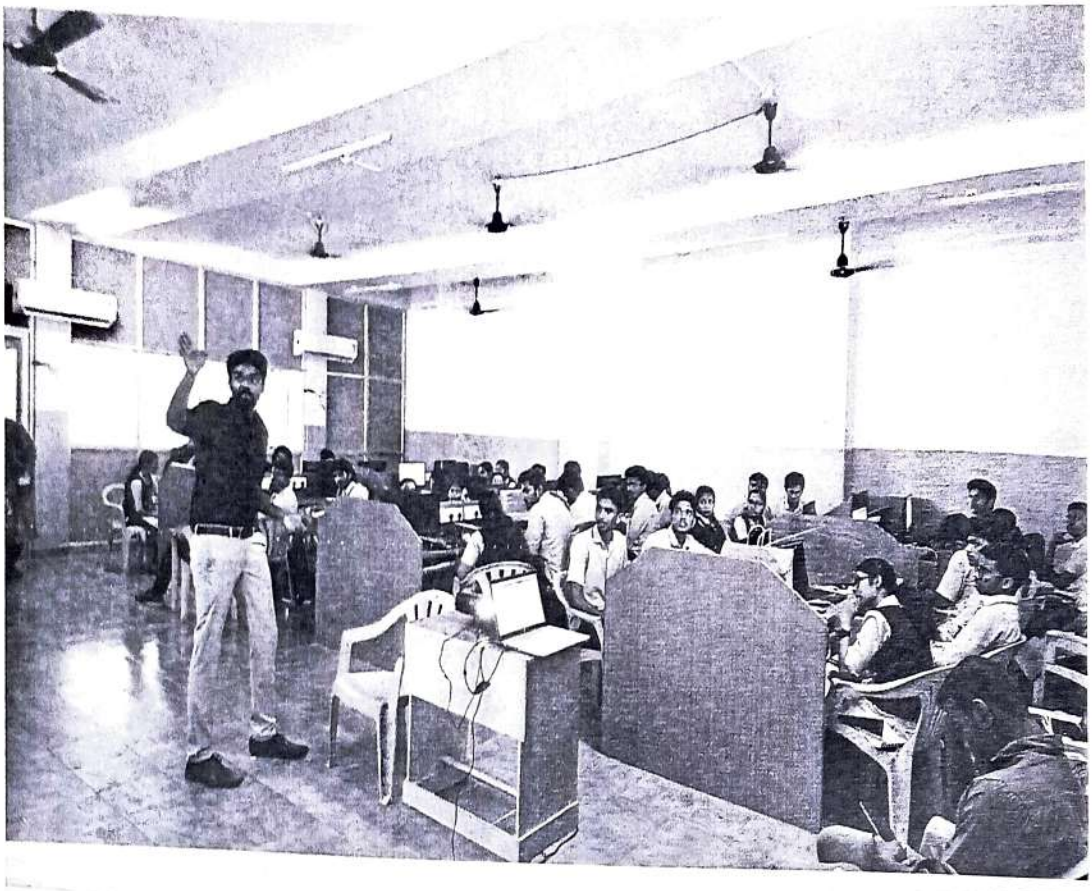

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IEEE PES Power & Energy Society

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IEEE POWER AND ENERGY SOCIETY STUDENT BRANCH CHAPTER Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY (IEEE PES SBC Toc H)

REPORT:ENERGIA 2023-DAY ONE

This is the report to intimate the events detailing that IEEE PES SBC Toc H has successfully completed DAY ONE of **ENERGIA 2023,** a two-day event organized by IEEE SB Toc H in association with the Department of Electrical and Electronics Engineering on 17th March, 2023.

GOAL	To provide hands-on practical experience in IoT to instill curiosity and interest in the students.
Date	17th March, 2023
Time Zone	Asia-Kolkata
Time	9:30 AM - 3:30 PM
Coordinators	4 Execom Members and 3 Student Volunteers
Venues	Toc H Institute Of Science And Technology, Arakunnam
Concentration Level (SBLevel/Section Level/National Level)	SB Level
Event Type	Technical
IEEE/NON-IEEE Participants	IEEE Members:20 Non-IEEE Members:29
Expense incurred	Rs. 18,969/-

Time and Date	Programme
17th March, 2023 9:00 AM to 9:30 AM	The event began at 9:00 am with an opening ceremony in which the Principal Prof(Dr.) Preethi Thekketh, the IEEE Branch Counsellor Dr. Deepa Elizabeth George, IEEE PES SBC Toc H Chapter Advisor Asst.Prof. Mangala Devi K T, the resource person Mr. Lawrence Noel, Co-Founder of Tronlogics and the IEEE SB Toc H Chair, Mr. Hafiz Shefeek all took part along with the faculty of the Electrical and Electronics Department, and the 49 participating students, and the coordinators.
9:30 AM to 10:30 AM	The students were given an introduction pertaining to the workshop's main highlight: the hands-on use of Node MCU and the problem statements for which they would use Arduino to find the solutions to.
10:40 AM to 12:15 PM	After a short break, the resource person Mr.Lawrence Noel, got into the depths of Arduino from the very basics and involved all the students who were divided into groups and the various problem statements were sought after technically for observing the required answers to those problems using the Arduino software and the Node MCU kit.

1:00 PM to 3:15 PM	The second session after the lunch break was also as productive as the first and all the participants were in full involvement, with Mr. Lawrence happily clearing all the doubts and questions of the students by going to their respective locations and showing them how it's done. The students learnt how to upload to the Cloud, how to use the basic commands in Arduino and learnt the fundamentals of using the Nord MCU chip.
3:15 PM to 3:30 PM	The feedback from the participants regarding the workshop was taken and the vote of thanks was also administered to the resource person after which the students took their leave having completed the hands-on workshop's aims. An online quiz competition was also conducted based on the same.

IEEE | STUDENT BRANCH Toc H

IEEE PES Power & Energy Society

IEEE

PHOTOGRAPHS:

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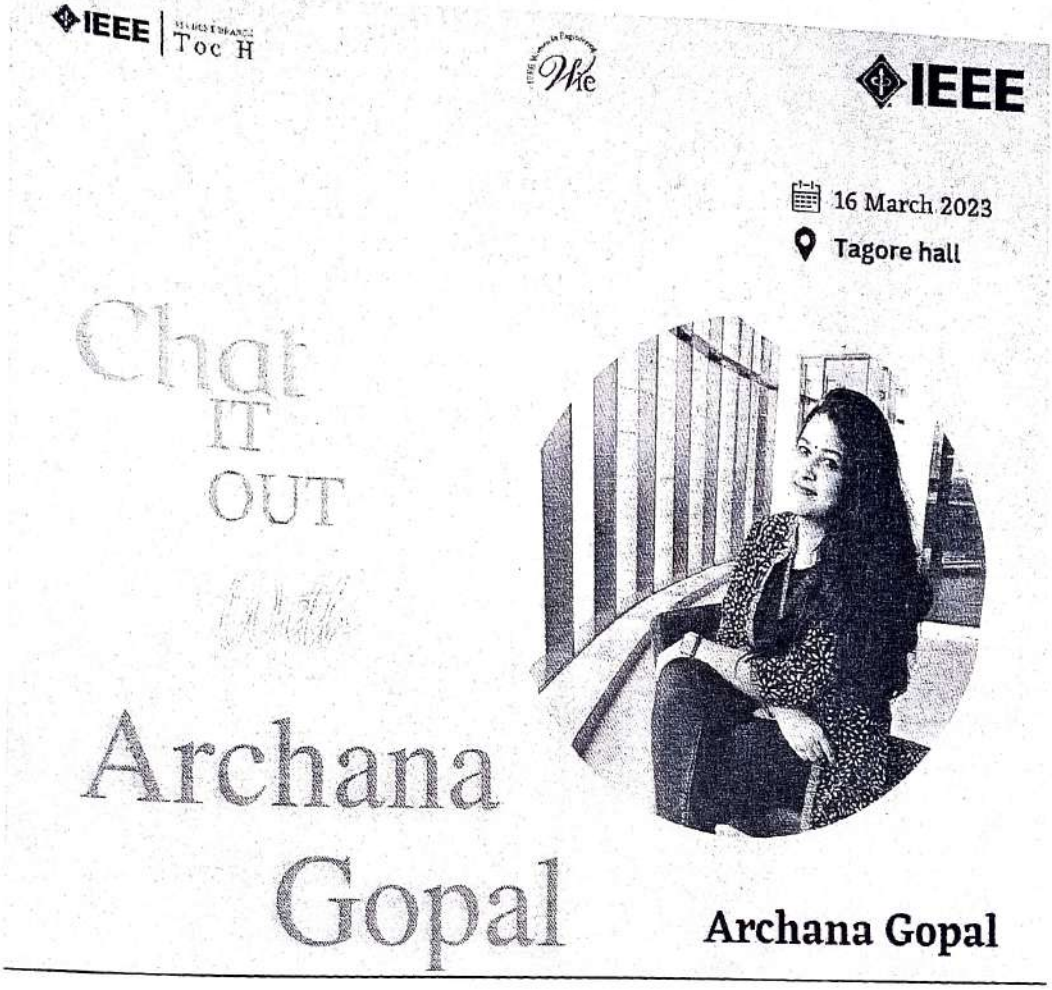
IEEE PES Power & Energy Society

IEEE

WiE EVENTS
i) Chat it out
ii) Debate Competition

IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE SB Toc H



A Talk show organized by IEEE WiE SB TocH in collaboration With women Cell TocH, on 16th March ,2023, Monday by the resource person ARCHANA GOPAL,who is also an alumni of TIST and an ex-IEEE chair person.

Goal	To have an informative talk session on how to prepare for placements,benifits of IEEE etc based on personal experience of the speaker being an alumni of TocH.
Time Zone	Asia-Kolkata
Date & Time	16th March 2023 – 11:00 AM
Participants	26
Platform/ Venue	Ramanujan Hall, TIST

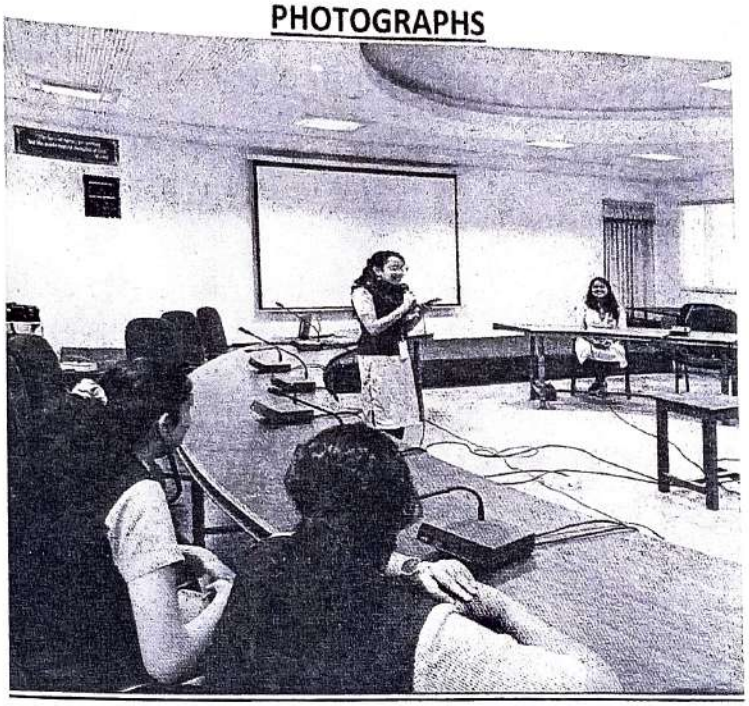
NO:OF IEEE/NON IEEE PARTICIPANTS	IEEE MEMBERS = 4 NON IEEE MEMBERS = 23
Concentration level	SB LEVEL
Event Type	Non-Technical

EVENT DESCRIPTION

Talk show was conducted as part of the Women's day celebration at Toc H, organized by IEEE Wie Student Branch in collaboration with the Women cell Toc H , on 16th, March 2023, Monday. The event was conducted by IEEE EXECOM. The Chief guest and resource person of the event was Archana Gopal, a technical business implementation analyst at UST, who is also an alumni of TIST and an ex-IEEE chair.

DATE AND TIME	*DESCRIPTION*
11:00 am *16th March, Wednesday*	*Event commenced with a total of 26 participants.*
11:00-11:10 am	*The welcome speech and felicitation for the Chief guest was delivered by Esha Fathima, Chair of IEEE WiE SB TocH.*
11:10 am	*The speaker and resource person of the day Ms.Archana Gopal began her talk by a brief introduction of herself and her field of expertise.*
11:10-12:10pm	*The speaker shared her experience at UST and her experience as a student in TocH.* *Gave a briefing about the benefits of IEEE and her role as IEEE chair which played a major role during her placements.*
12:10-12:25pm	*The participants had a brief QnA session, where they asked their concerns regarding placements and other aspects.* *Participants were actively engaged in the event and provided valuable feedback.*
12:25-12:30pm	*Vote of thanks was delivered by Aishwarya James, Vice Chair IEEE Wie SB TocH.*

PHOTOGRAPHS



IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

IEEE SB Toc H

"TURN THE TABLES"

A debate competition "TURN THE TABLES " was conducted by the WiE society of the IEEE SB Toc H as part of the Women's day celebration at Toc H on the 16th of March,2023.

Goal	To discuss the need of women empowerment and women health and safety.

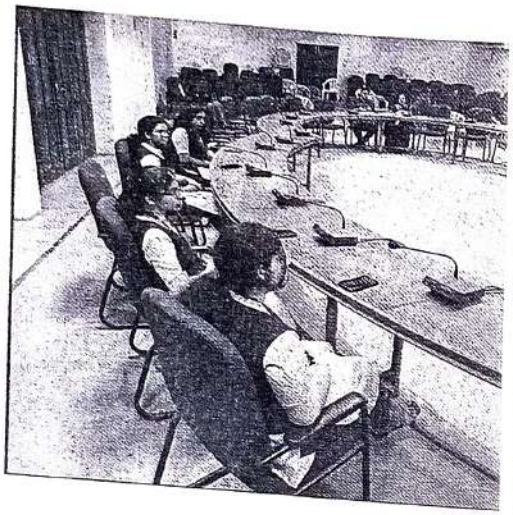
Time Zone	Asia-Kolkata
Date & Time	16th March 2023 – 11:00 AM
Participants	9
Platform/ Venue	Tagore Hall, TIST
NO:OF IEEE/NON IEEE PARTICIPANTS	IEEE MEMBERS-5 NON IEEE MEMBERS -4
Concentration level	SB LEVEL
Event Type	Non-Technical

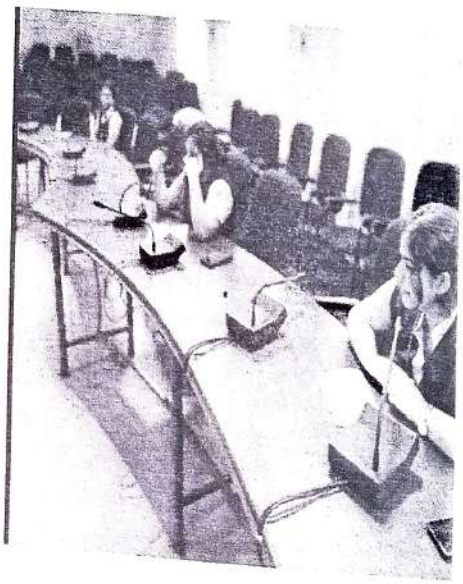
EVENT DESCRIPTION

A debate competition was conducted by the WiE Society of Toc H in regards to the women days celebration at Toc H. The judges for the debate was Mrs. Sreeja Subhash and Viju sir.

DATE AND TIME	*DESCRIPTION*
1:30pm	*The participants gathered at the venue.*
1:30pm-1:45pm	*A brief introduction was delivered by Esha Fathima,Chair of IEEE WiE SB Toc H.*
1:45-2:15pm	*1st round – The participants were divided into pairs and each pair was given a separate topic to speak for a minute each.* *3 participants were selected for the final round .*
2:15-2:45pm	*2nd round – The tied participants were again divided into pairs and each pair was given a topic. One participant was selected for the final round.*
2:45-3:15pm	*3rd round- The final 4 contestants were divided into 2 groups. Topic for the final round was "WOMEN EMPOWERMENT IS A MYTH IN THE 21ST CENTURY IN DEVELOPING COUNTRIES"*
3:15-3:30pm	*The vote of thanks to the judges and participants was delivered by Aishwarya James, Vice Chair IEEE Wie SB Toc H* *The event was successfully completed.*

PHOTOGRAPHS





REVIVAL - 3

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IEEE SB Toc H

REVIVAL -3rd EDITION

IEEE SB Toc H has initiated the third edition of **Revival-'Aerial Robotics And Drone Expo** 'in association with CUSAT co-ordinated by four IEEE execom members and three IEEE members on behalf of the Toc H at Jawahar Navodaya Vidyalaya Alappuzha on 10th March 2023
The main aim was to promote the idea of STEM education to the young and talented minds so as to promote developmental skills and potential .

Goal	To promote STEM Education for pre University students and to teach the young talented minds the extra-ordinary developmental ideas on aerial robotics and drone through a hands on session.
Date	10th March 2023
Time	10:00AM-5:30PM
Coordinators	four IEEE execom members and three IEEE members
Platform/ Venue	Jawahar Navodaya Vidyalaya Alappuzha
Concentration Level(SB Level/Section Level/National Level)	Section Level
Event Type	Technical & Humanitarian event

OVERVIEW

Details of the entire program are as follows :

10AM To 11:00AM

Commencement Of The Workshop:
An introductory session was given by Justin, Link Rep of IEEE SB Toc H.
He gave a brief idea about the class that was about to be conducted.

11:00AM To 1:00PM

Introduction To Aerial Robotics:

- The whole session was led by Anfil, a 3rd year robotic student at Toc H.
- In a short span of time itself he gave a great idea about Aeriel robotics.
- Different types of real drones were introduced to the students by him

1:00PM To 2:00PM

Lunch Break

2:00PM To 4:00PM

Hands On Simulation Of Drone In Virtual Space

- Students were divided into groups and each student got the opportunity to fly a real drone in a virtual space this was executed by Anfil Shajo-3rd year robotic student at Toc H. , Gautam Sunil-Chairperson of IEEE RAS SB Toc H, Miqudad R F-Technical Coordinator of IEEE SB Toc H, Sandeep Prakash-Secretary of IEEE RAS SB Toc H and Sabin Saju-1st year robotics student at Toc h
- While this was being conducted other students were studying the calibration of a drone and using of Mission planner software.
- In the end all the students got the opportunity to experience both hands on sessions.

4PM To 4:30PM

Drone Flying Session

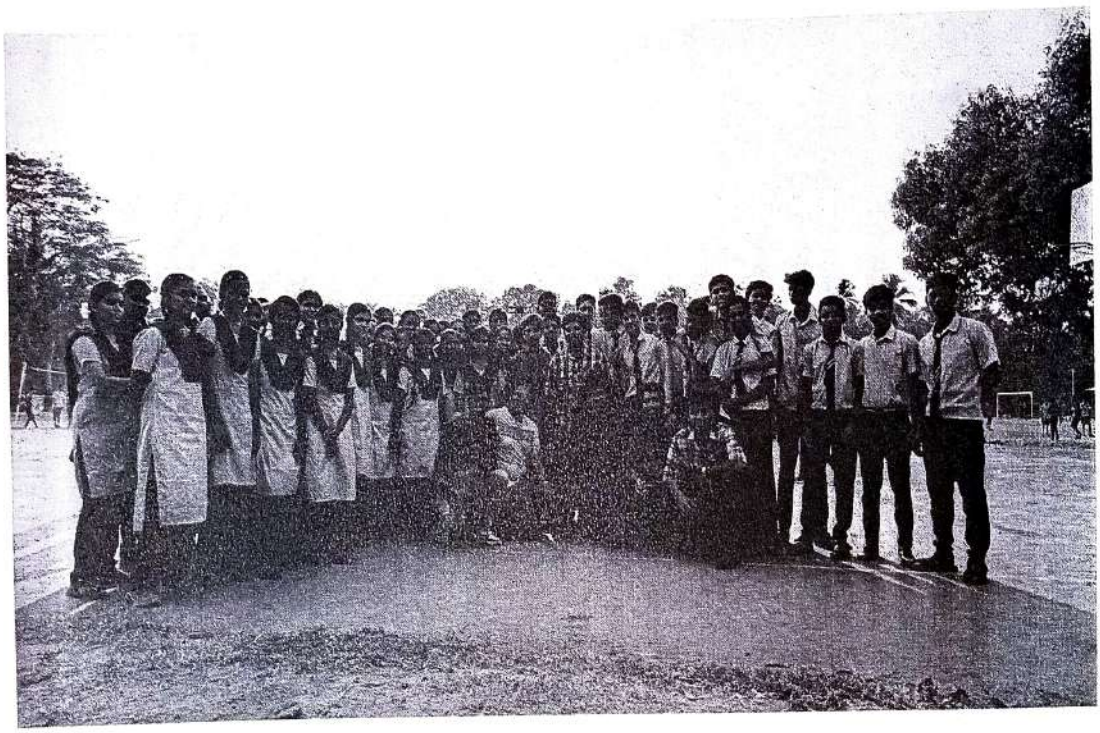
- After completing the hands on session a drown show was conducted on the school grounds that made the students curious about the mechanism of the copters.
- Gauri Shankar-3rd year robotics student at Toc H flew the drones as a demonstration.

4:30PM-5:30PM

Ending Ceremony

- Many students came forward and gave positive reviews about the session.
- A group photo was taken to commemorate the event
- Heartfelt gratitude was expressed by the school management to the Toc H management and IEEE SB TOCH by proposing a vote of thanks

EVENT PHOTOGRAPHS



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IEEE SB Toc H

REPORT- TALK SESSION

IEEE SB Toc H has initiated the first talk session under the Talkathon series on February 23rd, at 8 pm handled by Akash Vijay,Secretary,IEEE SB SJCET.
The main aim of the talk session was to foster impressive skills of Content Curation and Reporting and the talk show guided by Akash Vijay proved to be extremely informative and valuable by all the attendees.

Goal	To provide insights on accurate Documentation and Reporting procedures of IEEE.
Date	23rd February 2023
Time	8PM
Coordinators	IEEE SB Toc H Execom
Platform/ Venue	Online Mode/ Google Meet
Concentration Level(SB Level/Section Level/National Level)	Sb Level
Event Type	Talk show under TALKATHON

OVERVIEW

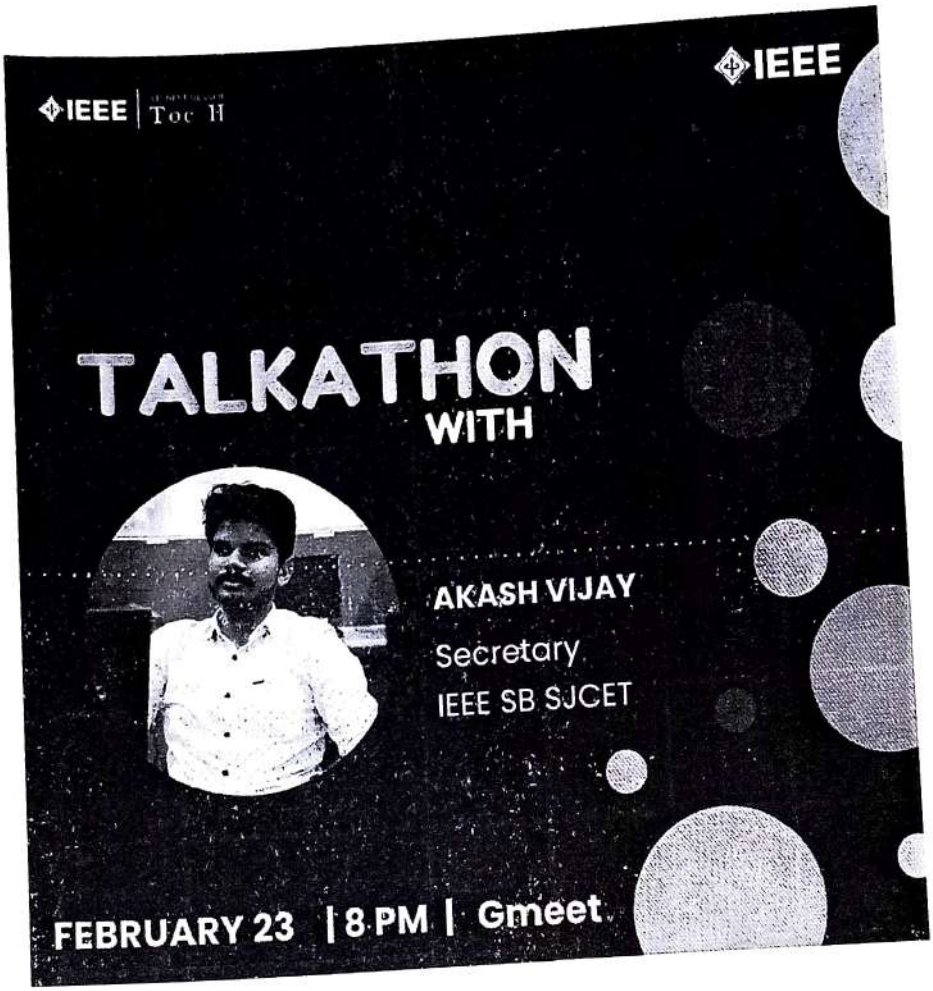
Details of the entire session are as follows :

8 PM – 8.30 PM
General instructions of formal Reporting were provided by Akash Vijay

8.30 PM-9.30 PM

- Presentation on Report writing guidelines
- Presentation on formal documentation procedures
- Presentation of basic utility of V tools
- Presentation on improving writing skills and methodologies.
- Presentation on effective content curation and proposal submission

PHOTOS


IEEE
IEEE | Toc H
TALKATHON
WITH
AKASH VIJAY
Secretary
IEEE SB SJCET
FEBRUARY 23 | 8 PM | Gmeet

Aiswarya Balasubramanian
9:21 PM | pnb-dpyo-wfm

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IEEE SB Toc H

REVIVAL -2nd EDITION

IEEE SB Toc H has initiated the second edition of **Revival-'Introduction to Arduino** 'from 9:00AM to 3:30PM co-ordinated by three mentors/trainers and one faculty in charge on behalf of the Toc H at Fathima Central School, Piravom on 22nd February 2023 and 1st March 2023.
The main aim was to promote the idea of STEM education to the young and talented minds so as to promote developmental skills and potential .

Goal	To promote STEM Education for pre University students and to teach the young talented minds the extra-ordinary developmental ideas on Arduino through a hands on session.
Date	22nd February 2023,1st March 2023
Time	9:30AM-3:30PM
Coordinators	3 Execom members 1 faculty in charge
Platform/ Venue	Fathima Central School,Piravom
Concentration Level(SB Level/Section Level/National Level)	Section Level
Event Type	Technical & Humanitarian event

OVERVIEW

Details of the entire program are as follows :

DAY 1:- 22nd FEBRUARY 2023

9AM To 9:30AM

Registration: Active registration was seen among the students which signified their strong interest in the short course being offered to them.

9:30AM To 10:30AM

Inauguration Ceremony:

- The school prayer song was sung by the school choir.
- A welcome address was given by the school head boy followed by the presindential address from the school principal.
- Assistant Professor Prakash Mohan gave a detailed look through of the program being held.

10:30AM To 12:30PM

Commencement Of The Workshop:

- An introductory session was given by Hafiz, Chairman of IEEE SB TOCH.
- Arduino was introduced to the students as a user friendly tool.
- Students were also taught basics of electronics .
- Coding was also introduced.
- Arduino IDE software was familiarized in the end.

12:30PM To 1:30PM

Lunch Break

1:30PM To 2:30PM

Hands On Session With Arduino Kit:

- Students were provided with Arduino project kits.
- The class was made into a group of 5 each.
- The training session was handled by Hafiz Shefeekh-chairman of IEEE SB Toc H,Gautam Sunil-IEEE RAS SBC Toc H, Justin Paul-IEEE link representative SB Toc H.

Projects:

- LED blinking was concluded
- Object detection using ultrasonic sensor was accomplished
- Distance calculator using ultrasonic sensor was accomplished
- DC motor interfacing was also accomplished in the end

2:30PM To 3:30PM

Ending Ceremony

- Three Arduino kits were donated to the students of the school
- A group photo was taken to commemorate the event

- Heartfelt gratitude was expressed by the school management to the Toc H management and IEEE SB TOCH by proposing a vote of thanks

DAY 2:- 1ST MARCH 2023

9AM To 9:30PM
The previous session was briefly went through and an interactive session was conducted.

9:30AM To 11:00AM
- Various sensors were introduced. .
- This session also covered its theoretical side and their applications.
- The session was handled by Hafiz Shefeekh-Chairman of IEEE SB Toc H

11:00AM To 1:00PM
Commencement Of The Workshop:
- Various sensors were interfaced to arduino Uno.
- Every students as pairs were given Arduinos and sensors.
- Ultrasonic sensor interfacing was executed by Justin Paul Cherian –Link Rep of IEEE SB Toc H
- PIR sensor interfacing was executed by Miqudad R F-Technical coordinator

1:00PM To 2:00PM
LUNCH BREAK.

2:00PM To 3:00PM
A home automation Project was done using the sensors that was introduced during the session and arduino Uno.

3:00PM To 3:30PM
- Ending Ceremony.
- A group photo was taken to commemorate the event.
- Heartfelt gratitude was expressed by the school management to the Toc H management and IEEE SB TOCH by proposing a vote of thanks.

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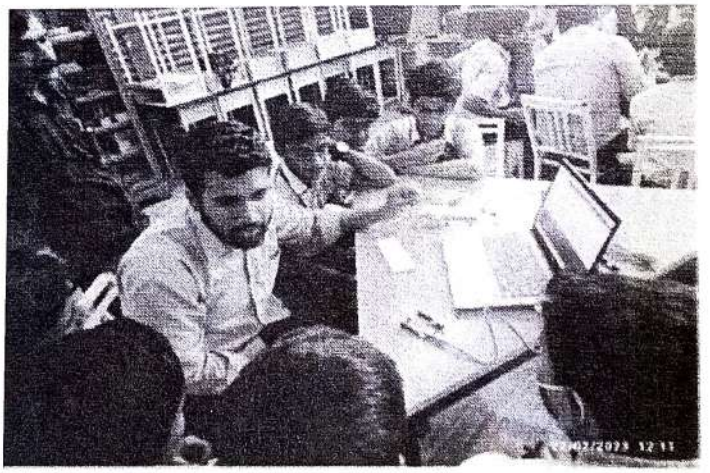
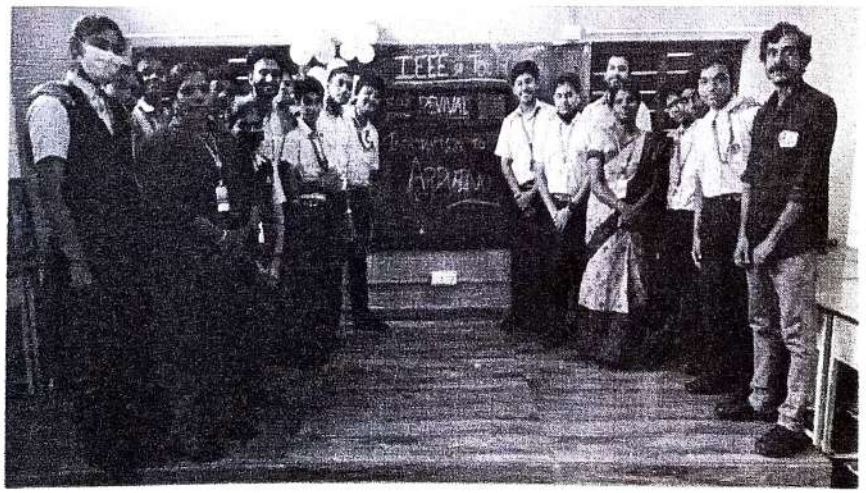
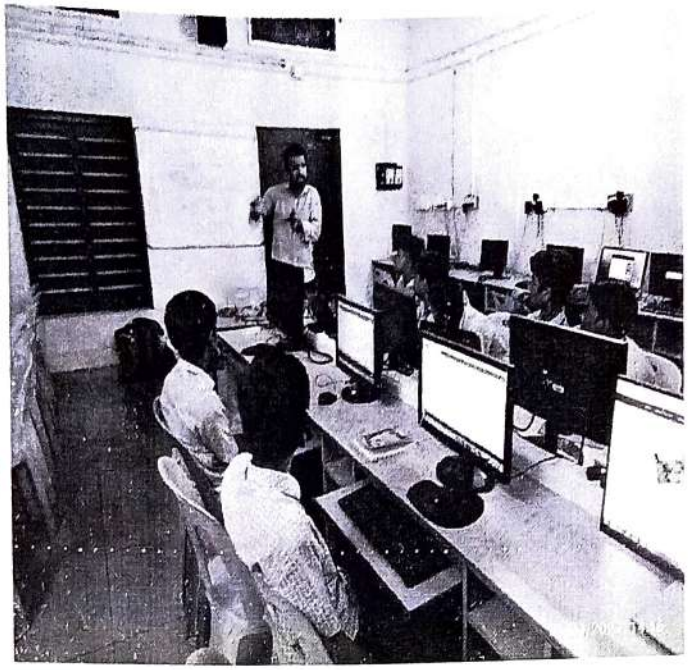
EVENT PHOTOGRAPHS

DAY 1





DAY 2



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IEEE SB Toc H

ANNUAL GENERAL MEET 2022-2023

The IEEE SB Toc H Annual General Meeting 2023 was conducted on 17th February 2023 at 2:00 PM IST . The highlight of this event was to showcase the various achievements bagged by our IEEE SB societies ,announce the .newly appointed executive committee of 2023 and to announce the launch of IEEE SB Toc H website.

Goal	This meeting was conducted to showcase the various achievements bagged by our IEEE SB societies ,announce the .newly appointed executive committee of 2023 and to announce the launch of IEEE SB Toc H website.
Date	17th February 2023
Time	2:00PM-3:01PM
Platform/ Venue	Ramanujan Hall ,Toc H Institute Of Science And Technology
Concentration Level(SB Level/Section Level/National Level)	SB Level

OVERVIEW

Details of the entire program are as follows:

2:05 PM

Welcome Address

As the event commenced Roshan Mathew, previous technical coordinator of Execom'22 took the stage to deliver the welcome address setting the tone for the rest of the proceedings.

2:08 PM

Branch Counselor's Address

A brief address was given by our branch counselor Dr Deepa Elizabeth George which provided attendees with important updates and insights on the SB.

2:13 PM

Sreesankar B previous chair of Execom'22 gave a presentation on the activities and achievements of IEEE SB Toc H during the year 2022 which provided an informative and engaging overview of the society's initiatives and impact

2:20 PM

Achievements By IEEE WiE

Achievements of WiE IEEE SB Toc H during the year 2022 was presented by Abhirami Chandran previous chair of IEEE WiE . SB Toc H

2:24 PM

Achievements By IEEE RAS

Achievements of IEEE RAS SB Toc H during the year 2022 was presented by Eben Samuel Sabu previous chair of IEEE RAS SB Toc H

2.27 PM

Achievements By IEEE PES

Achievements of IEEE PES SB Toc H during the year 2022 was presented by Mary Agna Vincent previous chair of IEEE PES SB Toc H

2.31 PM

Launch Of IEEE SB Toc H Website

2.34 PM

Announcement Of New Executive Committee

The announcement of the new executive committee was done by Sreesankar B previous chair of Execom'22.

2:40 PM

Chapter Advisors Address

2:46 PM

Chairman's Address

Sreesankar B previous chair of Execom'22 delivered the chairman's speech expressing gratitude and appreciation.

2:50 PM

Distribution of Certificates to IEEE Execom 2022

A ceremony was held to distribute certificates to the members of the IEEE Execom 2022.

3:01 PM

At the end of the event, Anna Treesa Bobby, previous student advisor of execom'23 expressed gratitude and extended a vote of thanks to all the attendees

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EVENT PHOTOGRAPH

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IEEE FLAGSHIP EVENT- XOTICA'22

THE STATE LEVEL EVENT OF IEEE SB TOC H

Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

There were series of events namely: CIAL Visit, Workshops on Deepfake, AI, PVsyst, FlashMob, Concert, Treasure Hunt, and Valiente.

All the event photographs, videos are available in: www.xotica.live and https://instagram.com/ieeesbtoch?igshid=YmMyMTA2M2Y=

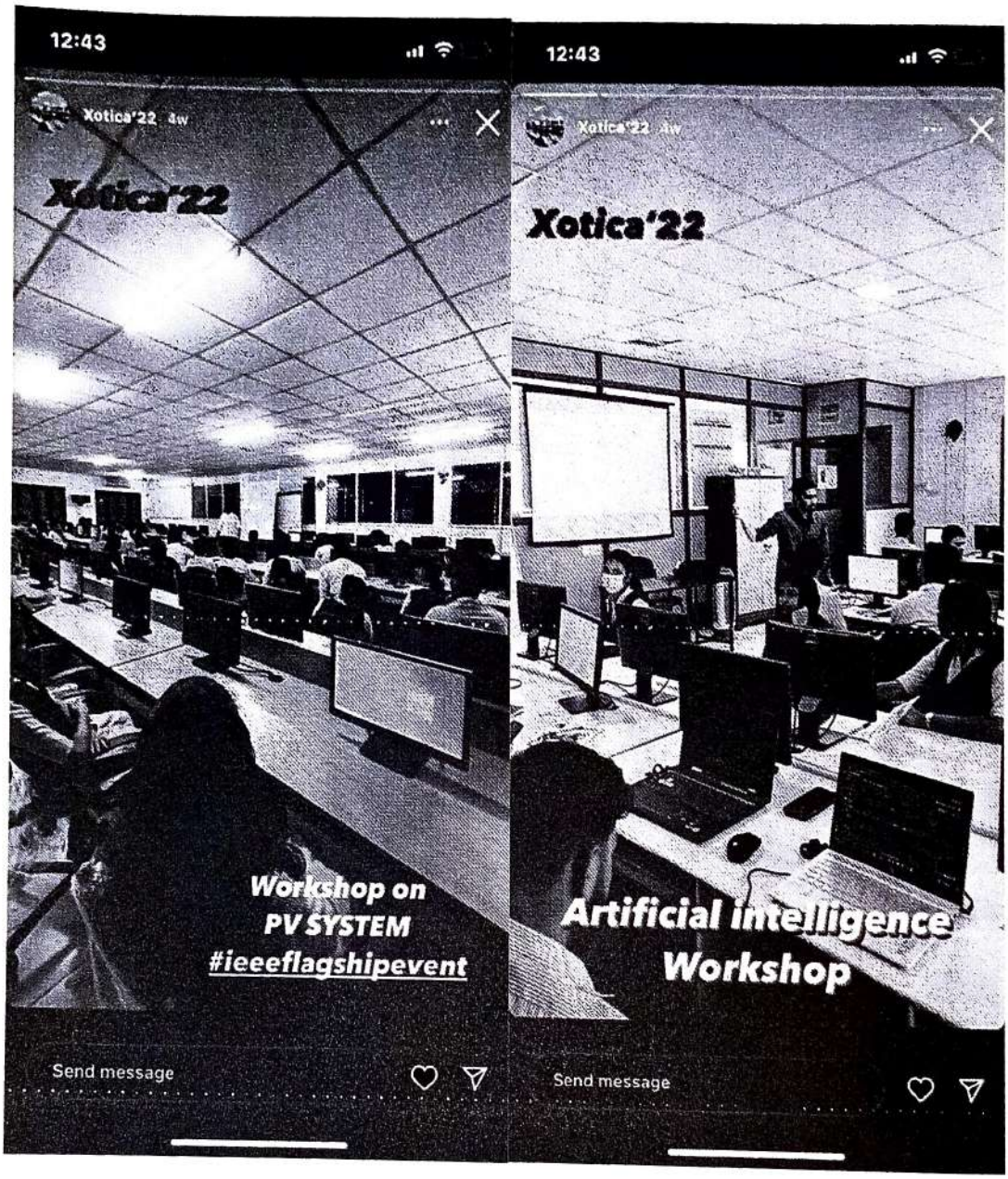
Xotica'22

Workshop

Execom'22

REVIVAL

Aurora 2021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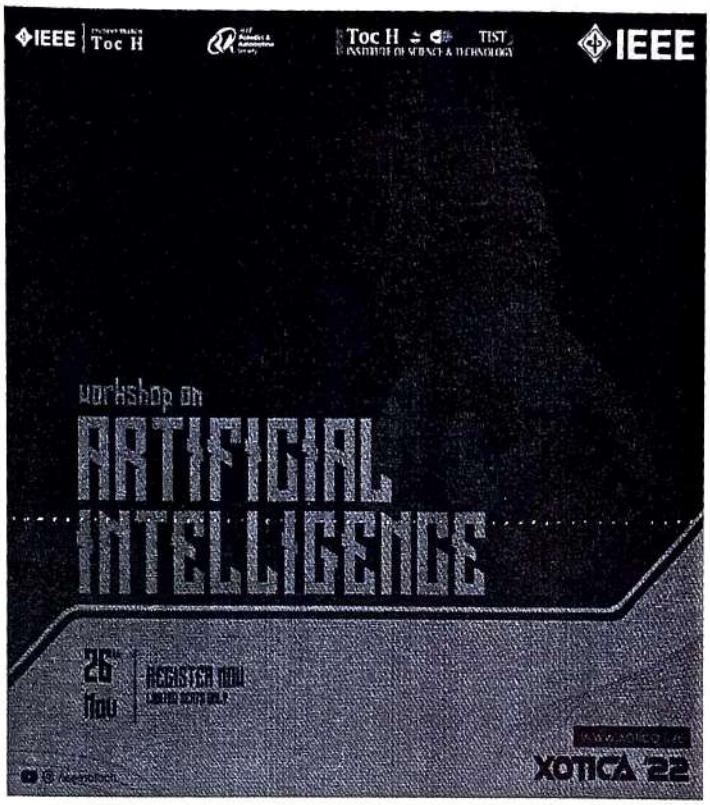
IEEE SB Toc H

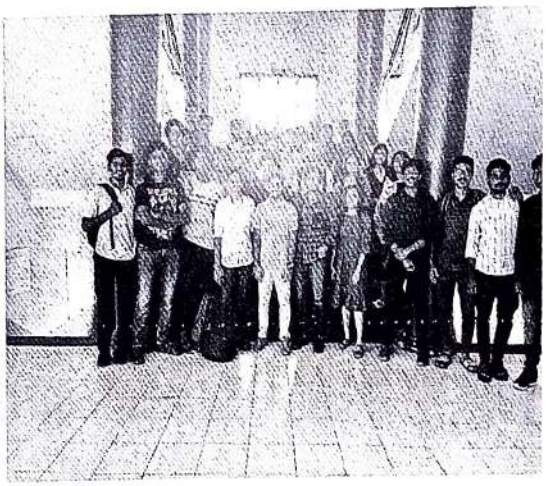


In today's world in which we find everything automated , it is important to develop skills in Artificial Intelligence since the work that we need to do is increasing day-to-day. Artificial Intelligence is the simulation of the human process by machines (computer systems). These processes include the learning, reasoning, and self-correction. Workshop on Artificial Intelligence an offline hands-on workshop organized by IEEE RAS SBC Toc H in association with IEEE SB Toc H, Pacelab and XOTICA 22'- The state level flagship event, is a gripping and exciting workshop that will give one of the everlasting experiences in area of AI hosted by Toc H Institute of Science and Technology) which was conducted on 26th and 27th of November 2022.

Goal	To encourage and develop skills of the students in the field of Artificial intelligence (AI) - perceiving, synthesizing, and inferring information—demonstrated by machines
Time Zone	Asia-Kolkata
Date & Time	26th and 27th November 2022 - 10:00 AM to 04:00 PM
Participants	41 Participants IEEE Members - 2 IEEE RAS Members - 2 Non-IEEE Members - 37
Platform/ Venue Web Link (if conducted online)	CSE LAB-2 - Computer Science Department, Einstein Block, Toc H Institute of Science and Technology

EVENT DESCRIPTION

The workshop instructs students to the topic: Introduction to Python and Machine Learning, setting up Virtual Assistants, automating user tasks and creating user friendly assistant, Tensor flow, creating image processing software with ML, combing GUI automation tool with virtual assistant to automate GUI and setting up machine learning based TTS engine and implementing voice activated systems. The session consists of both theory and hands-on practical sessions in which theory session consists of the need for AI in the future and building out a carreer in the field of AI and explaining the uses of AI and the field in which the AI are most often used.



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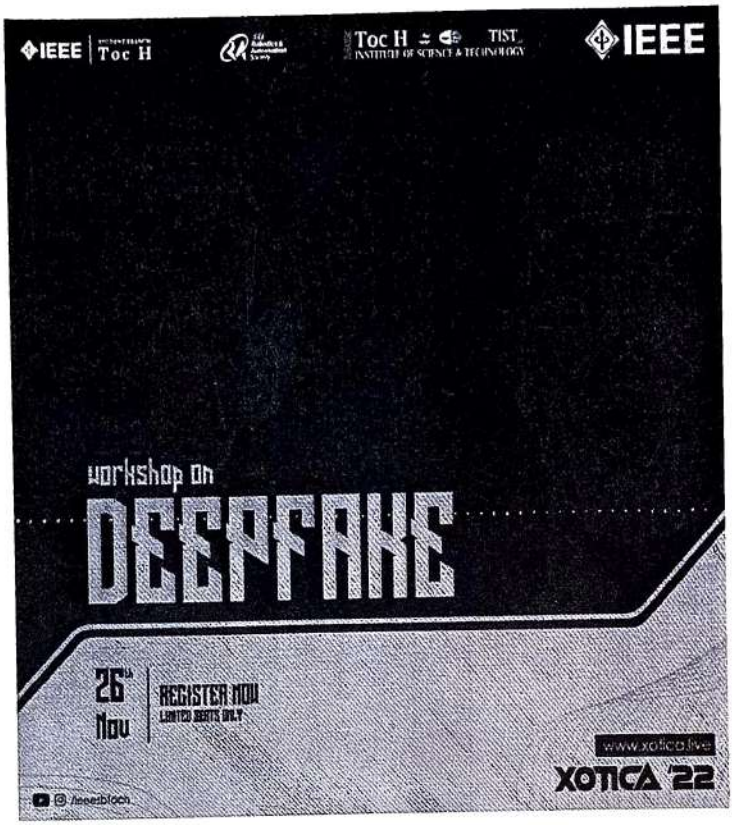
IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE SB Toc H



In today's world Deep fake technology can be used in medicine and education systems by creating learning tools and can also be used as an accessibility feature within technology. In particular, the technology can recreate persons in history and can be used in gaming and the arts. Deep fake, a hands-on workshop organized by IEEE RAS SBC Toc H in association with IEEE SB Toc H, Pacelab-XOTICA 22'- The state level flagship event, is a gripping and exciting workshop that will give one of the everlasting experiences in area of motion gestures and recreating key feature extracting models, hosted by Toc H Institute of Science and Technology) which was conducted on 26th November 2022

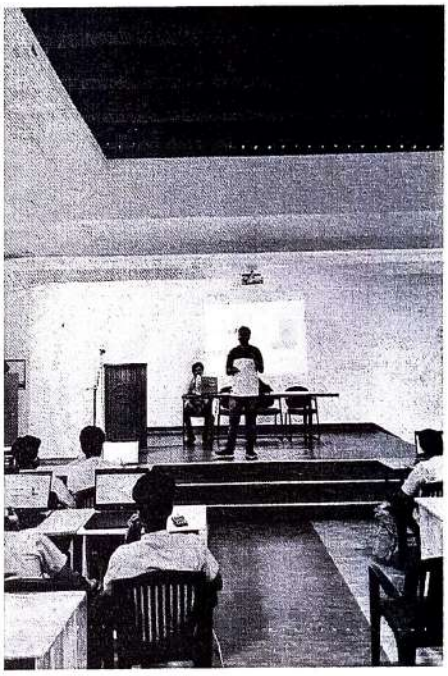
Goal	To encourage and develop a new skill in students to get exposure outside from the field of engineering, which contribute knowledge and skill in motion gestures and recreating human face model
Time Zone	Asia-Kolkata
Date & Time	26th November 2022 - 10:00 AM to 04:00 PM
Participants	60 Participants IEEE RAS Members - 3 IEEE Members - 1 Non-IEEE Members - 56
Platform/ Venue Web Link (if conducted online)	Ramanujan Hall – Department of Electronics, Aryabhatta Block, Toc H Institute of Science and Technology

EVENT DESCRIPTION

The workshop instructs students to the topic: Introduction to deep fake, introduction to deep-fake software,installation and configuration of Deep Face 2.0 and creating a deep-fake video :

- Extracting images
- Extracting Face sets
- View Assets
- View Face sets
- Training & Merging
- Finalizing the deep-fake video

The session consists of both theory and hands-on practical sessions in which theory session consists of the need for deep-fake in different field, career building on deep-fake and tips & tricks to identify deep-fake videos.



END OF REPORT

IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE SB Toc H
XOTICA''22
Simulation using PV Syst

Goal	Workshop on simulation using PV syst
Time Zone	Asia-Kolkata
Time	9:00 am – 1:30pm
Participants	51
Platform/ Venue Web Link (if conducted online)	Networking lab , Einstein block Toc H

Event Description:

"Science is the process that takes us from confusion to understanding"

IEEE SB Toc H in association with **IEEE PES SBC Toc H** brings to all the future engineers an informative workshop on

Simulation using PVsyst

Date: 26th November 2022.

Registration fee:

IEEE Member: ₹600
Register at: https://forms.gle/eh2t9FToWvUpqqWA7

Non IEEE MEMBER: ₹650
Register at: https://forms.gle/7tTcCjLcy519X24g8

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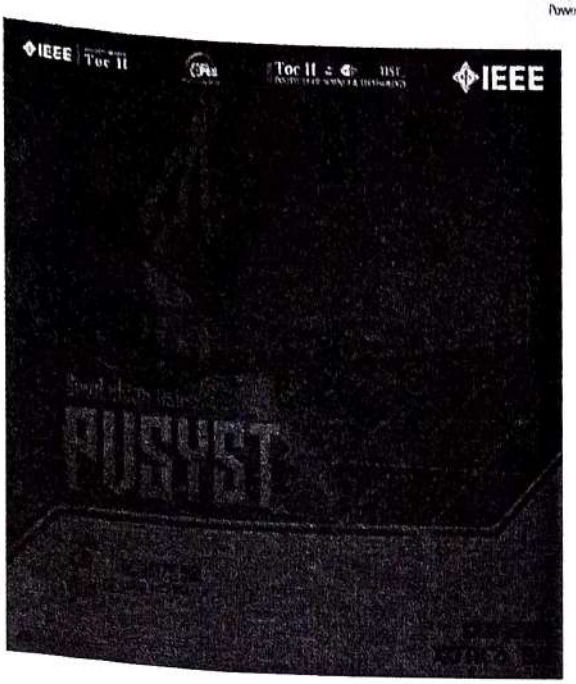
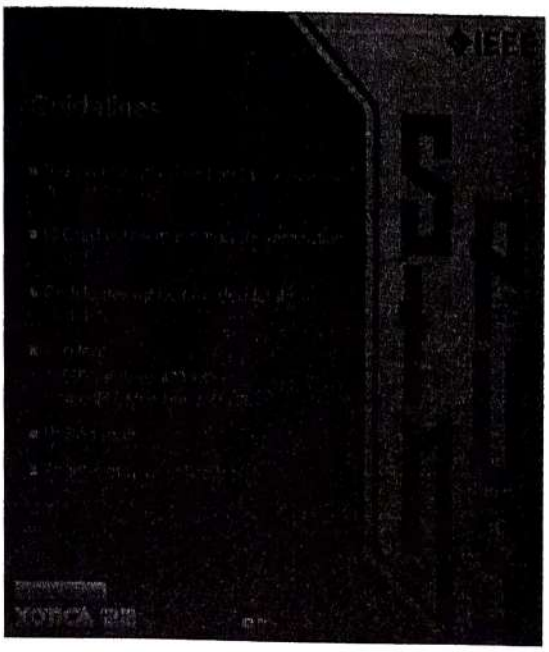
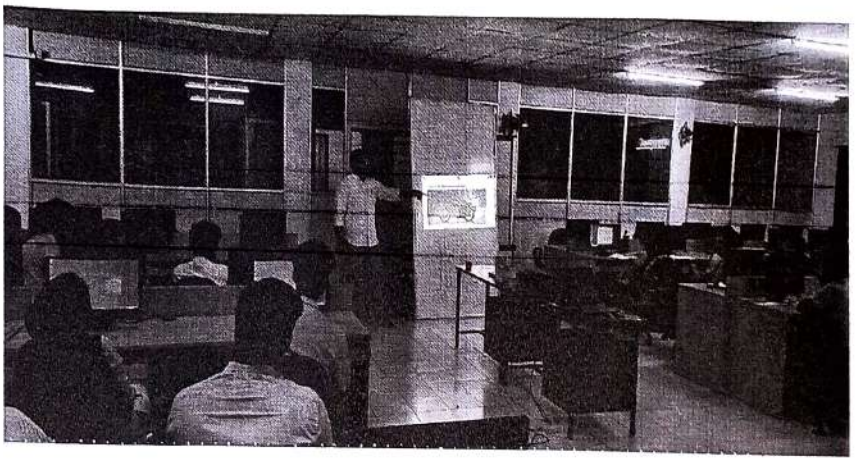
Mary Agna Vincent: +91 73066 98743
Ameer A Latheef: +91 73562 52631





Photographs:



Division/ Department	Event/ Work	After-event/Initiatives taken
Photovoltaic cells, Power System, PES	**Simulation using PV syst** • A workshop was conducted on PV syst. PV syst is a software to simulate photovoltaic cells and their analysis. • The workshop was conducted by Mr. Abhinav Rajeev, IEEE Young Professional. • It was indeed a great experience to learn and interact with Mr. Abhinav, students feedback were excellent and they encouraged for more sessions like these.	• Made sure the workshop was effective • Clarified doubts of students • Talked about latest advancements in the field of simulation using PVsystems.

END OF REPORT

IEEE | STUDENT BRANCH Toc H

IEEE

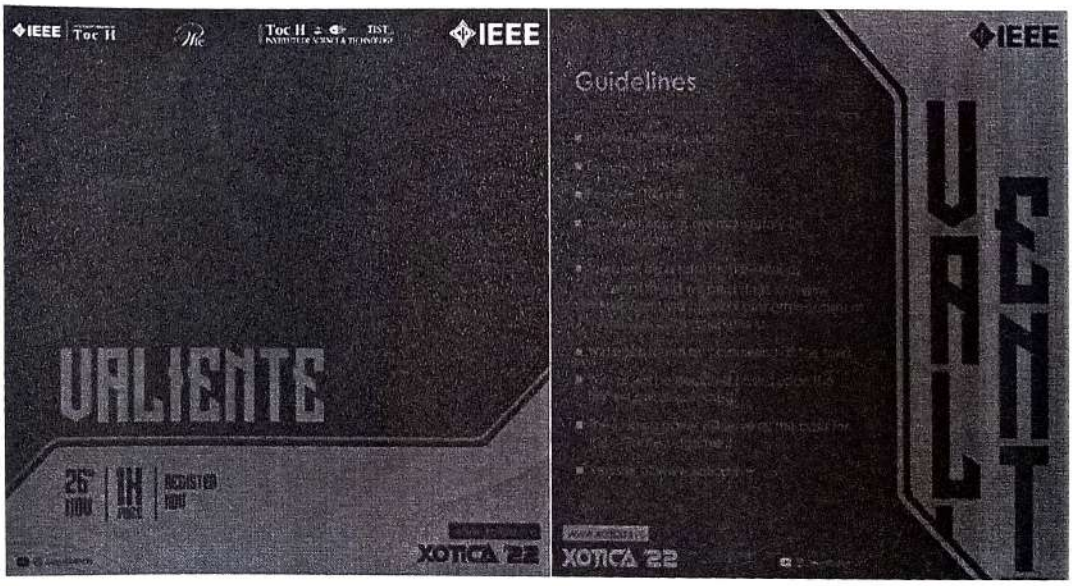
IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE WiE AG Toc H - VALIENTE (The Roadie Challenge)

➢ Event conducted on 26/11/2022

Goal	To give an exposure to the stress interview process during campus placements. To check the problem-solving capabilities of the candidates. To assess the physical strength, emotional strength and management skills of the participants
Time Zone	Asia-Kolkata
Time	9:30 am - 3:00 pm
Participants	34 Participants
Platform/ Venue Web Link (if conducted online)	Offline Toc H Institute of Science and Technology

- The event is divided into 3 rounds.
- The first round is a stress interview, which can assess a candidate's capacity for problem-solving.
- The second round is a physical strength assessment round
- The third round is used to test the emotional strength and management skills of the participants.

Meeting Photograph:



Report by JYOTSNA K | SECRETARY, IEEE WIE AG Toc H

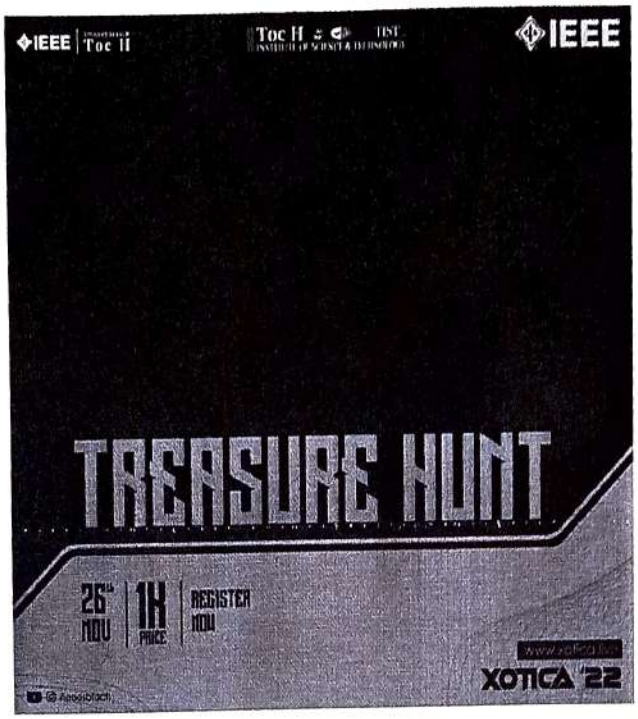
"Valiente - The roadie challenge" winners are,

1st Prize: Aishwarya Saju- EC, S1

2nd Prize: Ann K.S.- CS, S1

END OF REPORT

IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE SB Toc H



Goal	To encourage and develop skills of the students in the field of problem solving and for the purpose of fun activities
Time Zone	Asia-Kolkata
Date & Time	26th November 2022 - 10:00 AM to 04:00 PM
Participants	50 Participants IEEE Members - 7 Non-IEEE Members - 43
Platform/ Venue Web Link (if conducted online)	Toc H Institute of Science and Technology

EVENT DESCRIPTION

This event is a fun, exciting opportunity to get creative and explore innovative ways to come up with creative solutions to solve problems

The event took place at TIST, covering the whole college and exciting types of activities were hosted, enabling students such a fun oriented session after a long break from lockdown, it created networking and have shown enthusiasm throughout, maintaining good discipline.

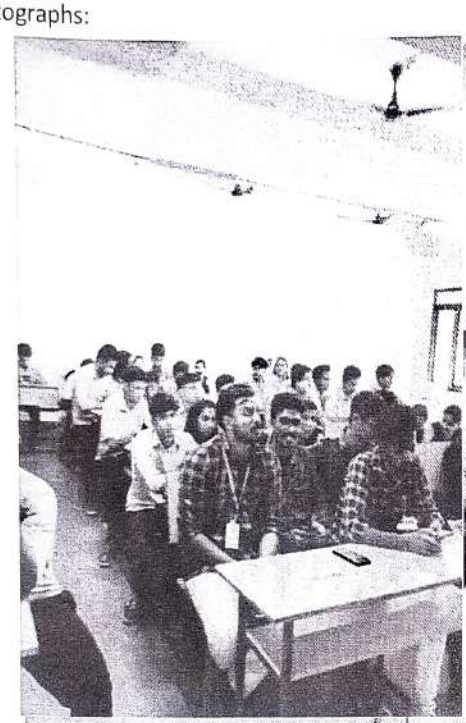
Winners:

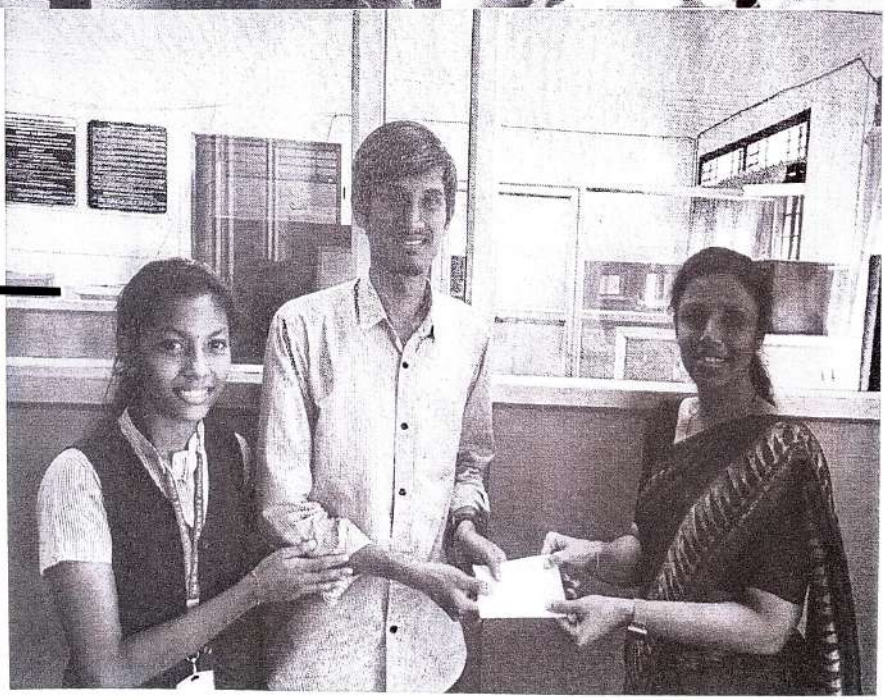
Team name: Finding Nemo.

Team members:

1. Athulya K Shaju- S5 ECE
2. Akshay K- S5 ECE
3. Gayathri Sivakumar- S5 ECE
4. Krishnapriya C Nair- S5 ECE

Event Photographs:





END OF REPORT

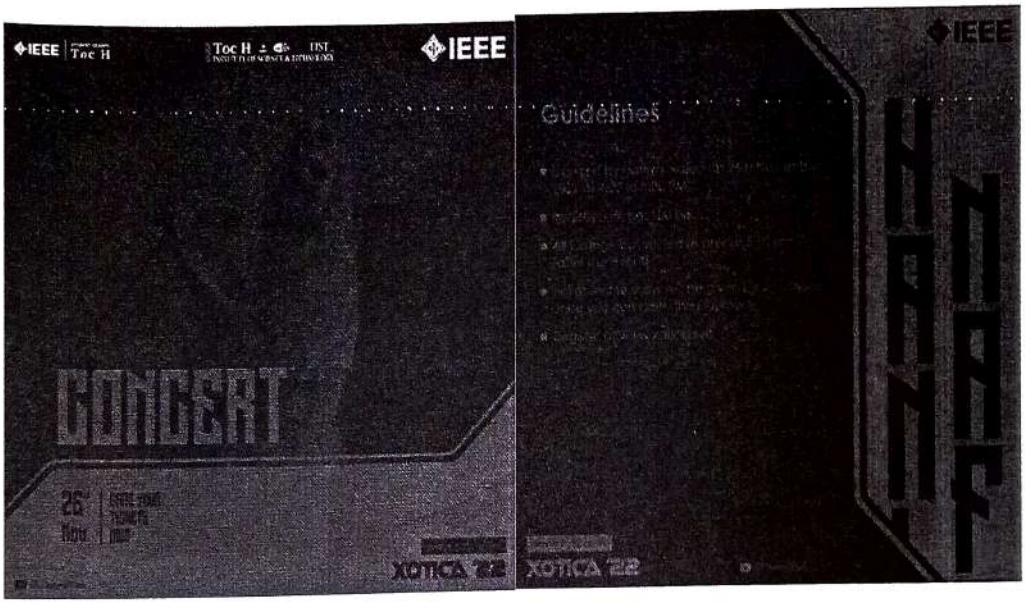
IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

IEEE SB Toc H- XOTICA'22 Concert

- Event conducted 26th November 2022

The concert, an entertainment program for the students of TIST, was conducted on 26th Nov, at 3pm, it lasted a hour and a half.
The celebrity guest was Ms. Haniya Nafisa, a playback singer and an actor.
The event was in its best full, every disciplines were looked into and good care was taken during the event.
Sabin, a student of S1 RA, go a chance to present his drawing to Haniya on the same day.

Event Photograph:



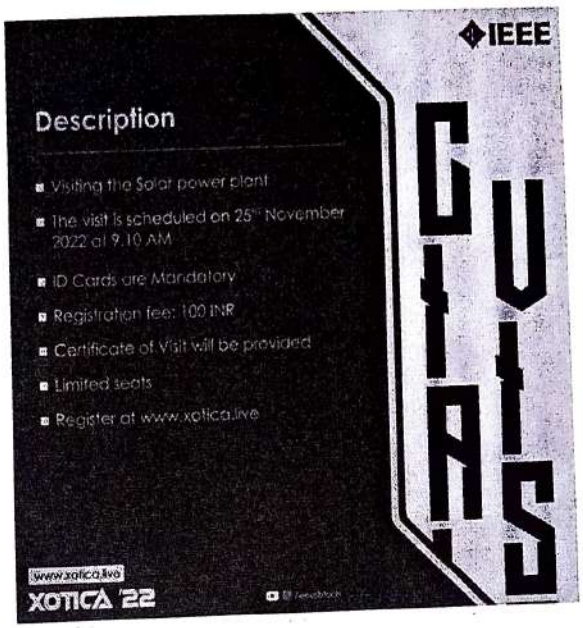
END OF REPORT

IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE SB Toc H Annual Report 2022-'23
XOTICA'22- CIAL Visit

- Meeting conducted on 25th November 2022

Goal	Industrial Visit to CIAL
Time Zone	Asia-Kolkata
Time	10am-2pm
Participants	61
Platform/ Venue Web Link (if conducted online)	CIAL, Nedumbaserry

- The IEEE SB Toc H in association with IEEE PES SBC Toc H Rad organized an industrial Visit to CIAL on 25 Nov, 2022 as part of the IEEE Flagship event XOTICA'22.
- About 61 Students from various Departments, accompanied by Asst. Prof. Mangala Devi &. T (HOD I/C Department of EEE)
- Visited the solar pour plant at CIAL
- It provided us an exposure of Rom CIAL utilizes solar energy for powering the buildings and parking area of Airport. The 12 MWp Solar power plant Comprises Of 46,150 solar panels laid across H5 acres near cargo complex.
- The plant produces about 46,000 units of electricity per day which is being consumed for all the operational functions.
- The solar power plant includes the pu modules of 265 wp capacity manufactured by Renesola and inverters of I MW capacity.
- It is a grid connected system without Battery Storage and also a power banking module with Kerala State Electricity Board (KSEB).
- CIAL gives as much power it produces in a day to the grid of KSEB and buy back the power when needed especially during night.
- This is how the plant operates.
- It was a great opportunity for al the students to be a part of this program. We sincerely appreciate the efforts of IEEE SB and IEEE PES SBC Toc H for enabling us grab this opportunity.
- Food and refreshments were served after the visit.



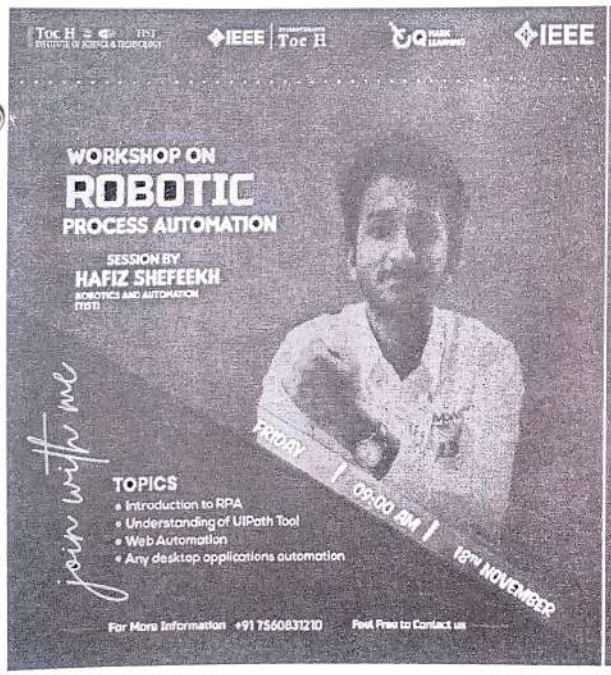
END OF REPORT

IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE SB Toc H- RPA Workshop

- Event conducted on 18th November 2022

Goal	Workshop on Robotic Process Automation
Time Zone	Asia-Kolkata
Time	9am – 4pm IST
Participants	44
Platform/ Venue Web Link (if conducted online)	Ramanujan Hall, TIST

- Describing and taking a workshop for RPA, the Robotic Process Automation is something unique, as this branch has so much importance in nowadays world
- RPA is also a division in many companies, like SPERIDIAN TECHNOLOGIES, etc they specifically have a department for it.
- Thereby increasing its importance and knowledge among students could have a great impact on their performance in such company interviews and could improve their resume, in a much competitive world.
- Students shared great feedback and the session was conducted as a prelude to the IEEE Flagship event of SB Toc H.
- Session handled by Hafiz Shefeekh, S5 RA, Vice-Chair of IEEE SB Toc H.



"Hands-on experience is the best way to learn about all the interdisciplinary aspects of robotics."
~Rodney Brooks

Hello Amigos

Are y'all excited to know about robotic automation?!

Here is an opportunity!

IEEE SB Toc H in association with Qmark Learning is conducting a workshop on Robotic Process Automation.

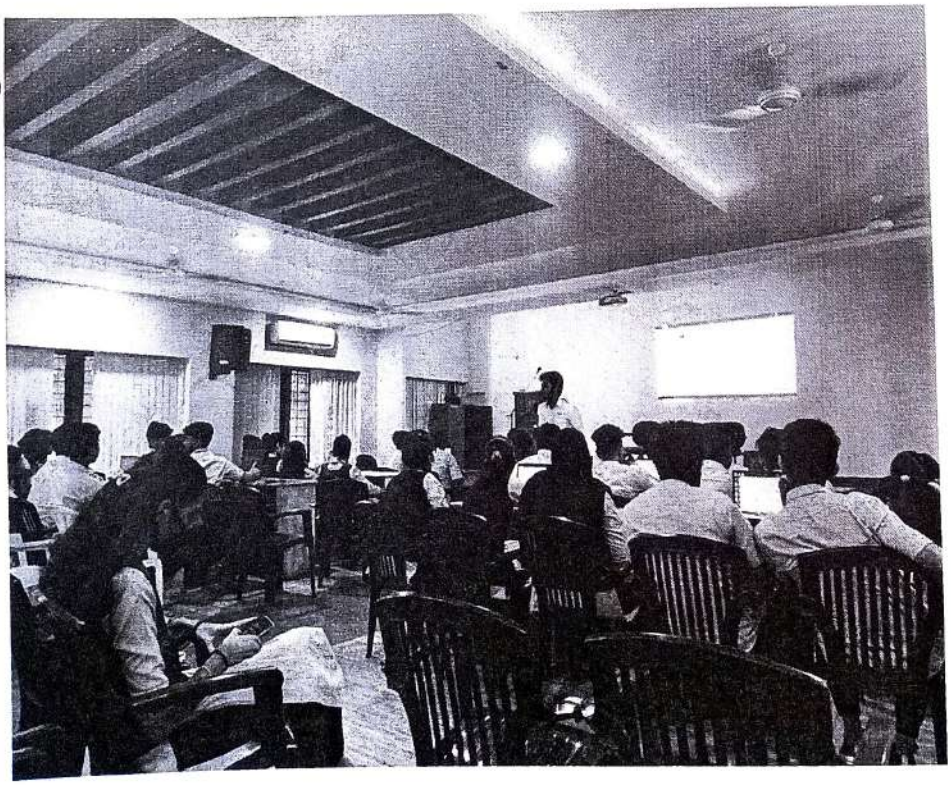
The session is handled by Hafiz Shefeekh (Vice-Chair: IEEE SB Toc H; Robotics & Automation-TIST, S5)

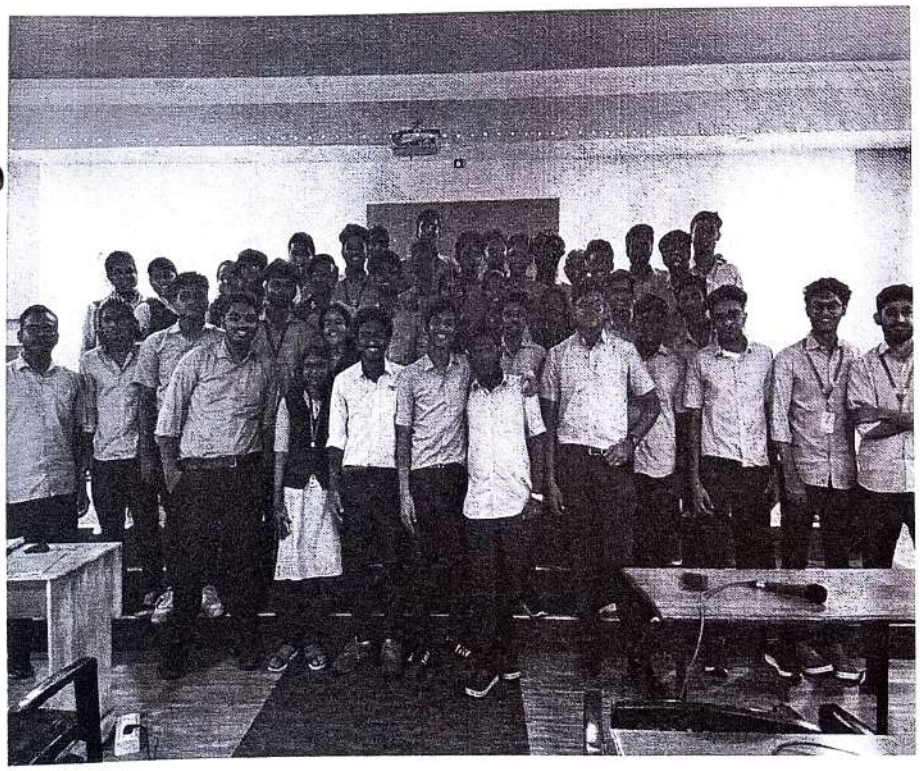
Date: 18th November 2022(Friday)
Time: 9.00 am
Registration fee: ₹200
Registration link:https://bit.ly/RPAieee

Hurry up!
Grab this exciting opportunity!

For any queries,contact:
Hafiz Shefeekh:+91 7560-831210
Robotics and Automation, S5

Event Photograph:





END OF REPORT

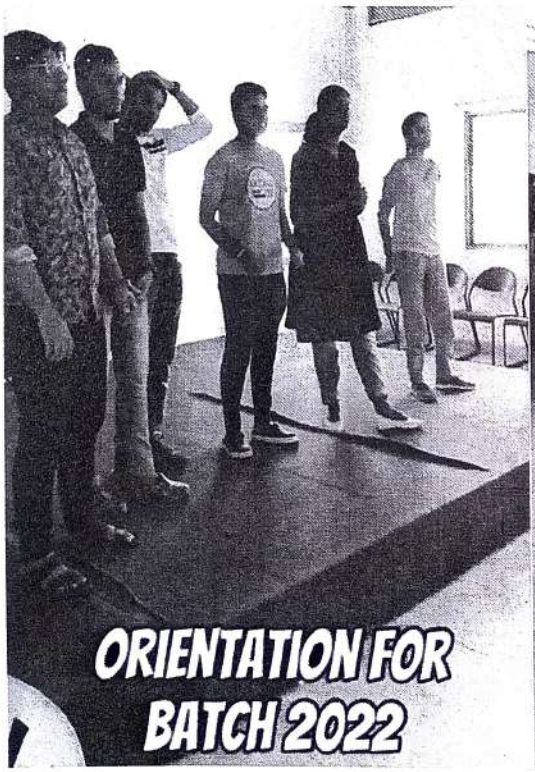
IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
IEEE SB Toc H Membership Development Session

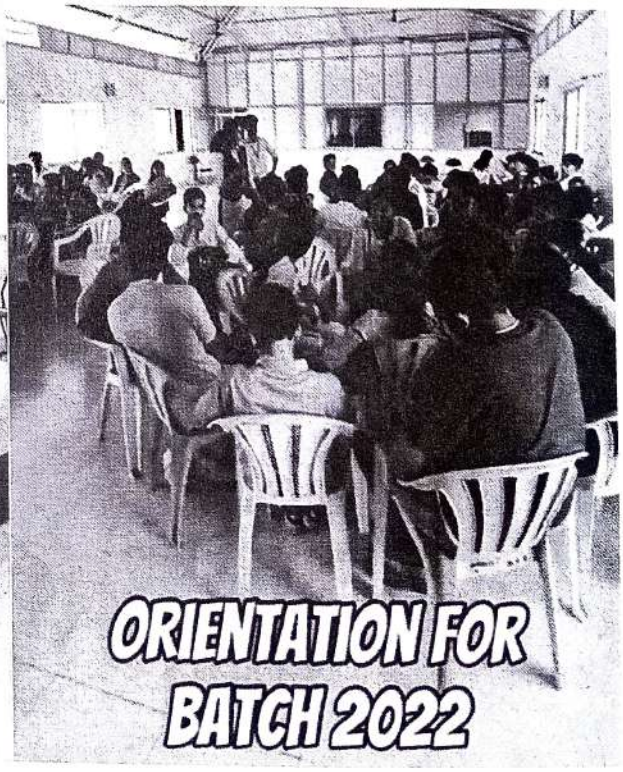
- Event conducted on 29th October 2022

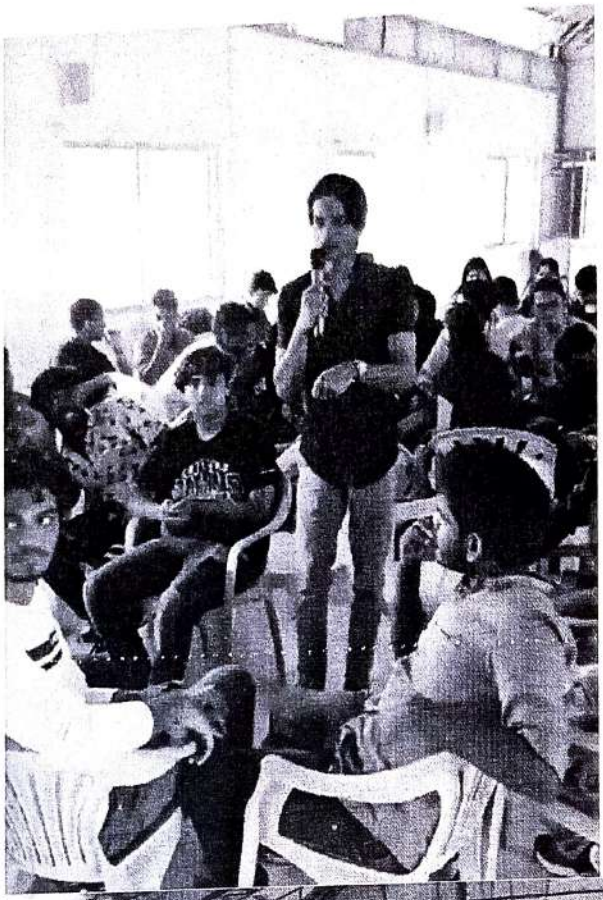
Goal	Orientation Membership Development session for the 1st year students of DoE, TIST.
Time Zone	Asia-Kolkata
Time	10 am- 3 pm
Participants	91
Platform/ Venue Web Link (if conducted online)	Offline, Amartyasen Hall

- The event was fun, educational and motivational for the 1st year students of Department of Electronics (consisting ECE and RA branches) TIST, infact as their first events in Toc H, they've been very interactive and have shown their best in all the competitions and the session sharing the benefits of an IEEE membership.
- At the end of the event students showed their upmost interest in joining IEEE and being a part of one of the executive committees. They've shown that they're best in volunteering.
- As a prize for the best team for finding out best possible solution, a competition conducted by SB, the reward was the IEEE Pen which was bought from IEEE.

Meeting Photograph:





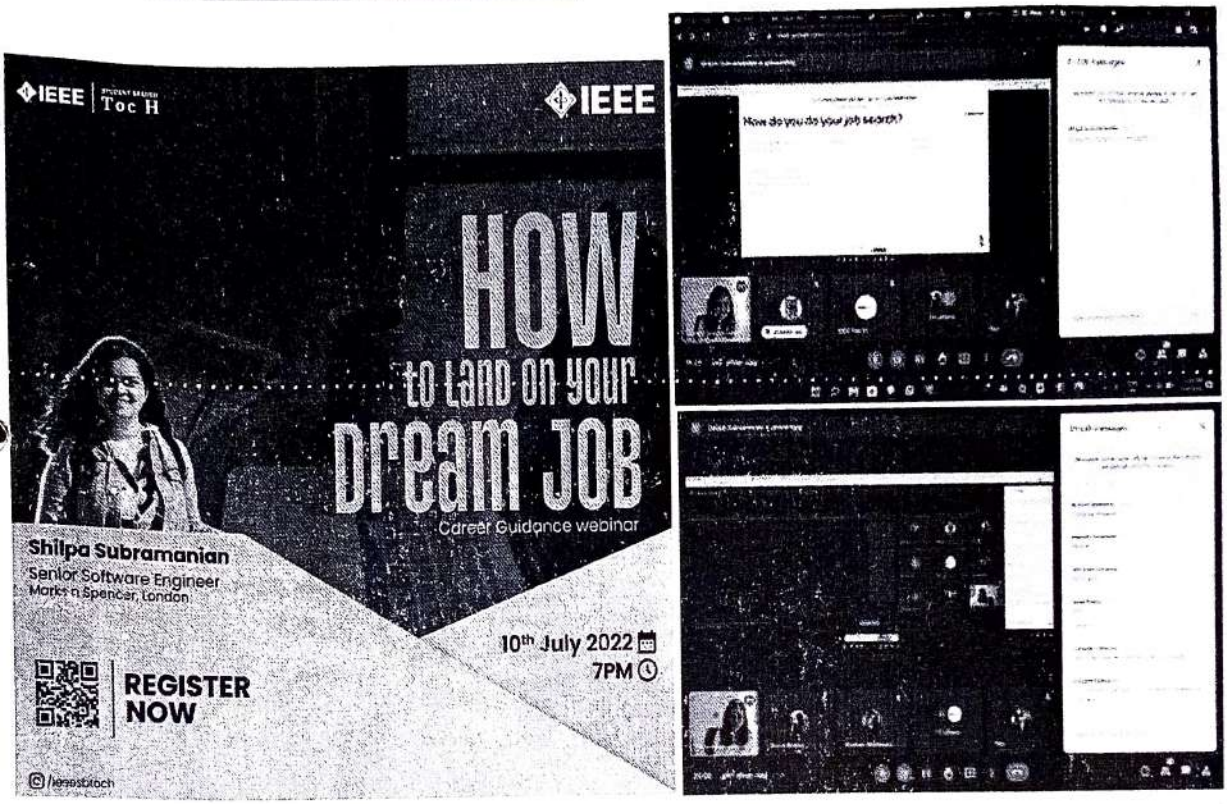


END OF REPORT

IEEE STUDENT BRANCH Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

IEEE SB Toc H Quarterly Report: July-Sept 2022

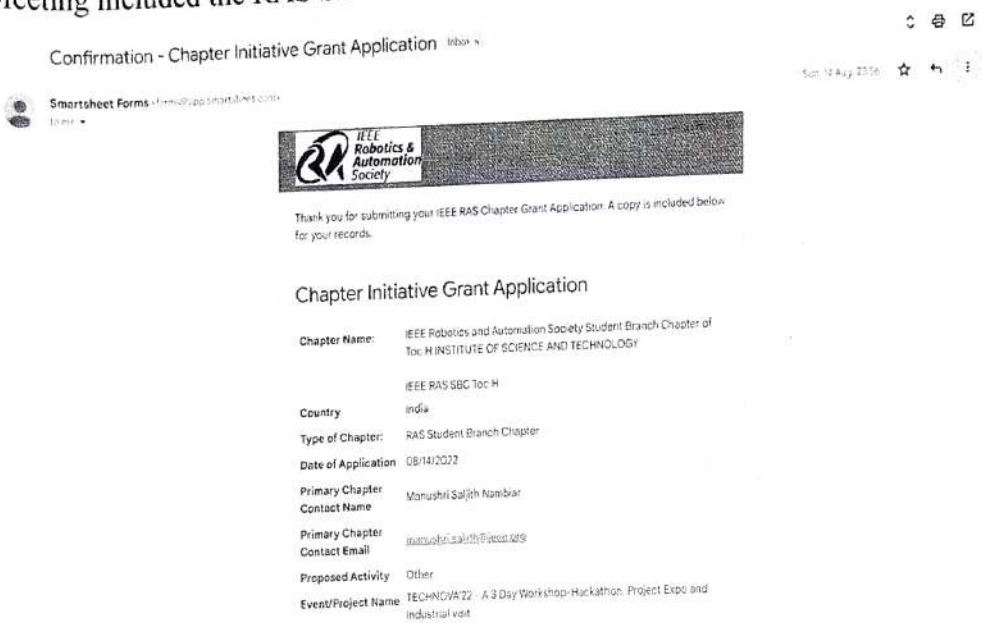
1 Event- **How to land on your dream job**



- Webinar conducted on **10th July 2022** at 7pm hosted by IEEE SB Toc H.
- The meeting lasted till 9:15 pm.
- The interactive session was handled by Shilpa Subramanian, Senior Software Engineer at Marks n Spencer, London.
- Session was conducted via Google Meet and had 40 participants.
- The webinar commenced at 7 PM with a welcome address.
- The resource personnel also shared a few anecdotes that helped her with her work journey.
- A questionnaire session was held at the end to answer any queries put forth by the students.
- The webinar was informative and provided a sense of direction to the students in order to set their future goals according to their personal targets.

2 RAS Chapter Initiative Grants Proposal- EXECOM Meeting

- Meeting was conducted for submitting the proposal for RAS Chapter Initiative Grants.
- Various meetings were conducted on **11th, 12th, and 14th August** for preparation of proposal and thereafter final approval from Branch Counselor on 14th August.
- Meeting included the RAS SBC EXECOM Members and Chair of Student Branch.



Confirmation - Chapter Initiative Grant Application

Smartsheet Forms

IEEE Robotics & Automation Society

Thank you for submitting your IEEE RAS Chapter Grant Application. A copy is included below for your records.

Chapter Initiative Grant Application

Chapter Name:	IEEE Robotics and Automation Society Student Branch Chapter of Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
	IEEE RAS SBC Toc H
Country	India
Type of Chapter:	RAS Student Branch Chapter
Date of Application	08/14/2022
Primary Chapter Contact Name	Manushri Sajith Nambiar
Primary Chapter Contact Email	manushri.sajith@ieee.org
Proposed Activity	Other
Event/Project Name	TECHNOVA'22 - A 3 Day Workshop-Hackathon, Project Expo and Industrial visit

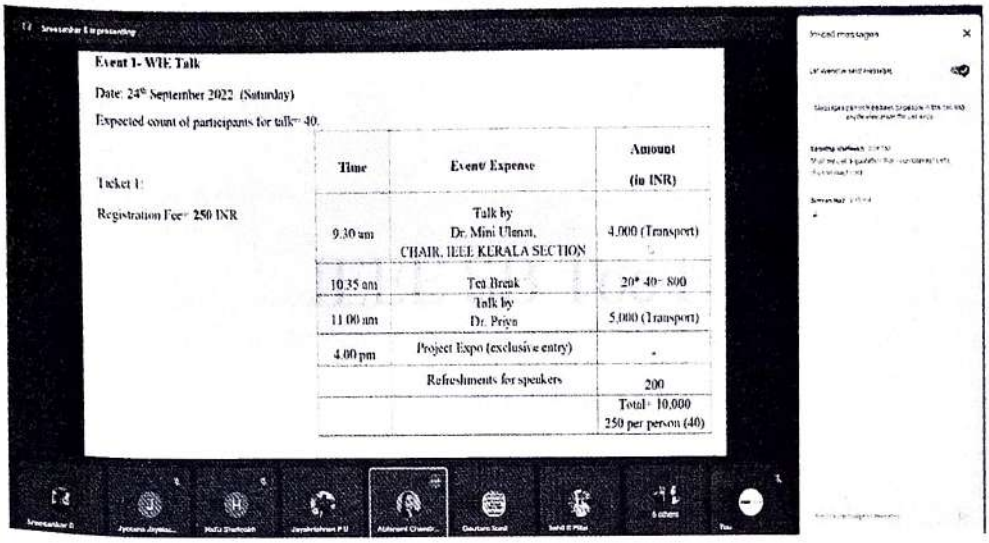
3 Flagship event- IEEE SB Toc H

3.1 EXECOM Meeting- 17th August 2022, at 8.30 pm (online- G meet)

- EXECOM Meeting was held to convey the concept of Flagship event 2022 of the SB, also to split up works and to prepare a schedule for the event with finalizing the dates.
- Meeting included all the executive committee members of Toc H SB and lasted for more than 1.30 hour.

3.2 EXECOM Meeting- 21st August 2022 at 8.00 pm (online- G meet)

- An EXECOM meeting was held to discuss the prepared schedule for the Flagship Event.
- Discussed concerns from the Principal and Branch Counselor and made necessary changes to the event. Also, the preparation of budget for whole estimated event were initiated for conveying it to the Principal for approval. Meeting lasted for 2 hours.



Event 1- WIE Talk

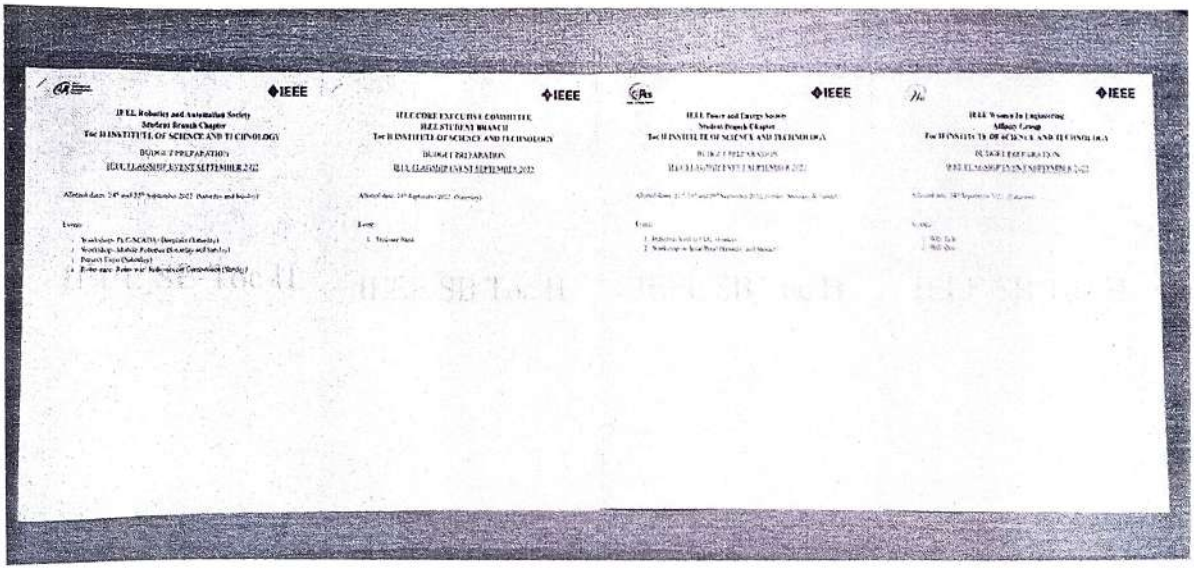
Date: 24th September 2022 (Saturday)

Expected count of participants for talk= 40.

Ticket 1:	Time	Event Expense	Amount (in INR)
Registration Fee= 250 INR	9.30 am	Talk by Dr. Mini Ullenat, CHAIR, IEEE KERALA SECTION	4,000 (Transport)
	10.35 am	Tea Break	20* 40= 800
	11.00 am	Talk by Dr. Priya	5,000 (Transport)
	4.00 pm	Project Expo (exclusive entry)	-
		Refreshments for speakers	200
			Total= 10,000 250 per person (40)

3.3 EXECOM Meeting- 24th August 2022 at 9.00 pm (online- G meet)

- EXECOM Meeting was carried out for confirming the speakers, their demands, Accommodation facilities, food, seminar halls, labs, workshop tutors, non-technical event, industrial visit, etc.
- Also confirmed the pre-budget prepared by each chapter, AG, and main execom thereafter for discussing in the meeting with Branch Counselor and Principal.
- Meeting lasted for 2 hours.

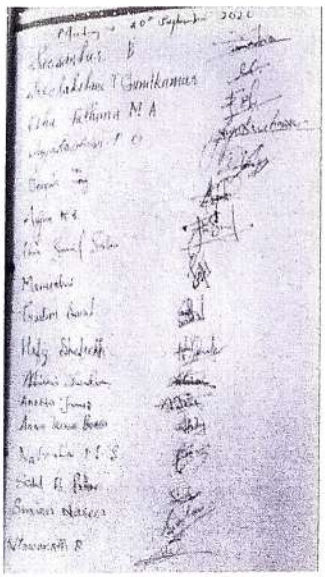


3.4 Meeting- 25th August 2022 at 2:30- 4:00 pm

- A meeting with the Chair, Branch Counselor and Principal was held on 25th August at 2.30 pm (offline).
- Discussed each schedule and the Principal and Branch Counselor shared their thoughts and opinions on few matters like timings, and maintaining decorum of the college.
- Afterwards the Chair conveyed the concerns from the Principal and Branch Counselor to the Executive Committee and necessary steps were taken for updating the schedule and budget.

3.5 EXECOM Meeting- 20th September 2022 at 3:00 pm

- A meeting with the Executive Committee Members were held on 20th September 2022 in Ramanujan Hall, at 3:00 pm. (offline)
- The meeting lasted for an hour and little more.
- Agendas:
  1. Flagship Event 2022
  2. Membership Development Initiatives for 2023
  3. Update on launch of IEEE SB Toc H Website
- All the above agendas couldn't be discussed fully within the hour, therefore a online meeting was also scheduled for the same day at 9:00 pm.



3.6 EXECOM Meeting- 20th September 2022 at 9:00 pm (online- G meet)

- An EXECOM meeting was held at 9.00 pm of 20th September to discuss the remaining's of the prior conversations had in the afternoon session.
- Meeting lasted till 10:45 pm.
- Discussed matters including the Flagship event, changes necessary for the website and the initiatives which could be taken to improve the membership count and retain the existing members.

Google Meet Attendance Tracking Report

Meeting Name: [illegible] Date: 20-Sep-2022

Attendance Tracking Started At	9:09:24 PM
Attendance Tracking Stopped At	10:43:48 PM
Total Number of people Attended	24
Total Meeting Duration	1 hr 34 min 24s

Detailed Attendance Report

Report prepared by
Sreesankar B
Chair | IEEE SB Toc H