

IEEE ROBOTICS AND AUTOMATION SOCIETY

STUDENT BRANCH CHAPTER

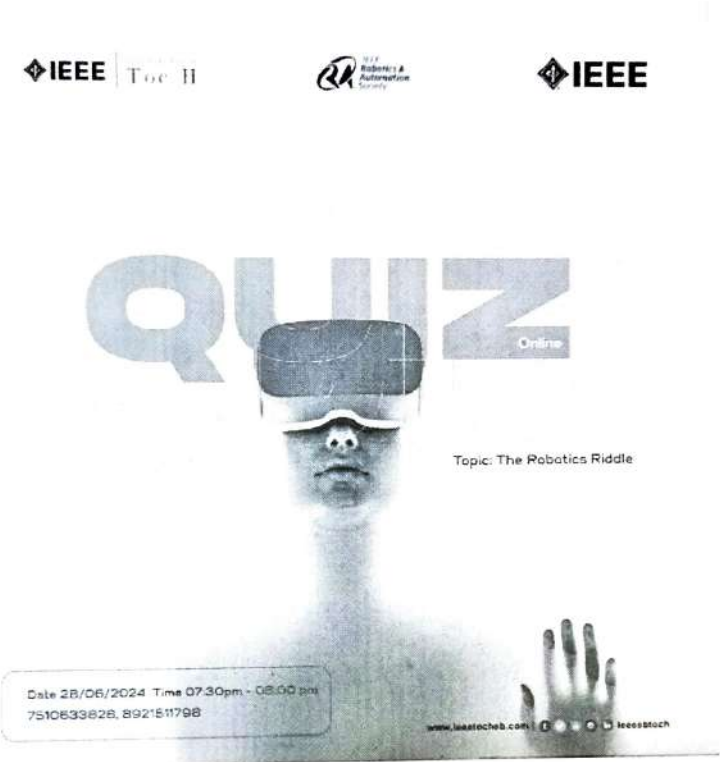
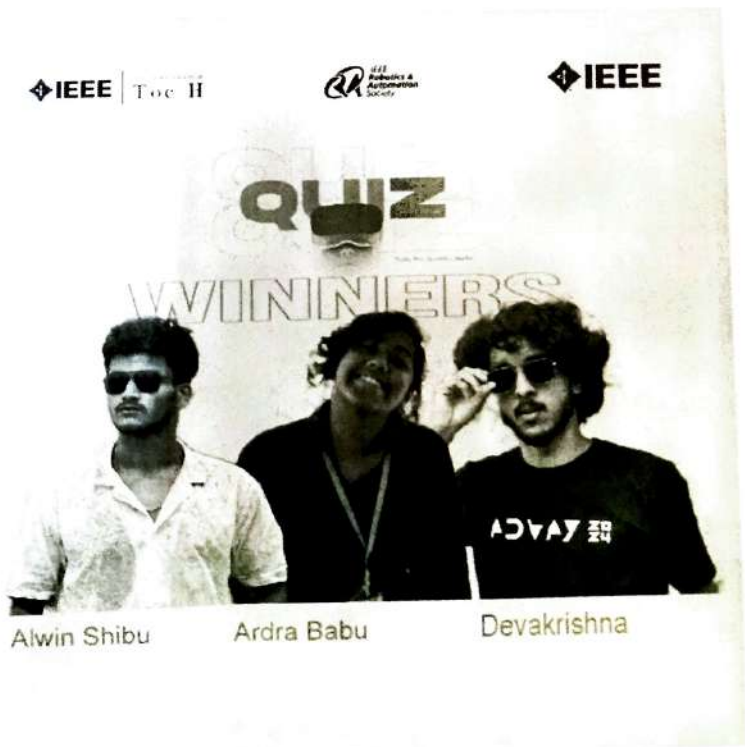
**Toc H Institute of Science and Technology
(IEEE RAS SBC Toc H)**

REPORT: THE ROBOTIC RIDDLE

This is the report to intimate the events detailing that **IEEE RAS SBC Toc H** has successfully hosted an online quiz competition named '**The Robotic Riddle**', on **28th June 2024** in association with **IEEE SB Toc H**. This was conducted online through the official Instagram page of IEEE SB Toc H.

Goal	To encourage interest in robotics, enhance problem-solving abilities, and act as a dynamic, interactive way to test and broaden participant's comprehension while providing a competitive and educational experience.
Date	28 th June 2024
Time	7:30 PM (IST)
Time Zone	Asia - Kolkata
Event Type	Technical Event (Online)
Coordinators	4 Execom Members
No. of Participants	50
Programme	The instagram platform link was shared prior to the competition. Ten interesting and fascinating questions regarding robotics were asked through an Instagram story poll. The top scorers were appreciated and given certificates.

Winners	Alwin Shibu Ardra Babu Devakrishna
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Robotic Riddle Quiz Competition



QUIZ

Online

Topic: The Robotics Riddle

Date 28/06/2024 Time 07:30pm - 08:00 pm
7510633828, 8921511798

www.ieeetochsb.com | [i](#) [v](#) [t](#) [e](#) [l](#) [l](#) [e](#) [e](#) [s](#) [b](#) [t](#) [o](#) [c](#) [h](#)

The Robotic Riddle Quiz Competition 2024, organized by IEEE RAS SBC Toc H in association with IEEE SB Toc H, was successfully held online on the 28th of June 2024 through their official Instagram page. This event aimed to encourage interest in robotics, enhance problem-solving abilities, and provide a dynamic, interactive way to test and broaden participants' comprehension while offering a competitive and educational experience. Coordinated Execom members, the quiz saw 50 participants engaging in ten fascinating questions about robotics via an Instagram story poll. The top scorers, Alwin Shibu, Ardra Babu, and Devakrishna, were appreciated and awarded certificates.

IEEE COMPUTER SCIENCE SOCIETY**STUDENT BRANCH CHAPTER****Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY****REPORT: CAPSTONE' 24**

This is the report to intimate the events detailing that **IEEE CS SBC Toc H** has successfully conducted a Project expo offline named 'CAPESTONE'24'

GOAL	Showcase projects, foster networking, gain feedback, inspire others, share knowledge, and recognize achievements to promote learning and innovation
DATE	08 MAY 2024
TIME	10:00 AM to 2:00 PM IST
TIME ZONE	Asia-Kolkata
VENUE	CV Raman Hall
EVENT TYPE	Technical
CONCENTRATION LEVEL	S. B. Level
COORDINATORS	4 Execom Members
NO. OF PARTICIPANTS	IEEE Members - 30 Non-IEEE Members - 80
PROGRAMME	The project expo showcased a diverse array of exhibits and presentations, evaluated by industry experts. Participants highlighted innovative projects, engaged in valuable networking.

	<p>and received constructive feedback.</p> <p>The event successfully promoted knowledge sharing, inspired innovation, and facilitated professional connections, making it a rewarding experience for all involved</p>
FEEDBACK	<p>Participants valued the expo for showcasing projects and receiving constructive feedback. Networking opportunities were appreciated for connecting with peers and professionals, fostering collaboration and idea exchange.</p>

Toc H   **TIST**
INSTITUTE OF SCIENCE & TECHNOLOGY

CAPSTONE '24
**PROJECT
EXPO**

**MAY 08,
2024**

**CV RAMAN
HALL**

**10:00 AM
2:00 PM**
Organized in association with

Toc H

**IEEE
COMPUTER
SOCIETY**

**DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING**

Toc H Kochi
An ISO 9001:2015 Certified Institution, Approved by AICTE, New Delhi & Affiliated to A P J Abdul Kalam Technological University (KTU)

IEEE COMPUTER SCIENCE SOCIETY

STUDENT BRANCH CHAPTER

Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

REPORT: BLOCK CHAIN DEVELOPMENT

This is the report to intimate the events detailing that **IEEE CS SBC Toc H** has successfully conducted a block chain development session Hari M(Asst professor,dept of computer science,Saintgist college of Engineering,Kottayam)

GOAL	This blockchain development session educates on blockchain, smart contracts, and DApps, fostering skills for effective development and management.
DATE	02 MAY 2024
TIME	10:00 AM to 3:00 PM
TIME ZONE	Asia-Kolkata
VENUE	Ramanujan Hall
EVENT TYPE	Technical
CONCENTRATION LEVEL	S. B. Level
COORDINATORS	4 Execom Members
NO. OF PARTICIPANTS	IEEE Members - 10 Non-IEEE Members - 42
PROGRAMME	The blockchain development session started with introductions and outlining objectives. Next, the agenda is reviewed to ensure all participants are on the same page.

	<p>An overview of the project is presented, detailing its purpose and goals. Finally, a brief explanation of the specific blockchain technology being used is provided</p>
FEEDBACK	<p>The session was clear and informative, covering key points effectively. More covering key interactive elements and real-world examples could improve understanding. Overall, it was a valuable learning experience</p>



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nirf

TUV

ISO

ISO

ISO

BLOCKCHAIN DEVELOPMENT



THURSDAY

2ND MAY 2024

10.00 AM-3.00 PM



HARI M

ASSISTANT PROFESSOR, DEPT. OF CSE,
SAINTGITS COLLEGE OF
ENGINEERING, KOTTAYAM (AUTONOMOUS)

Organized in association with



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INSTITUTION'S
INNOVATION
COUNCIL



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COMPUTER SCIENCE & ENGINEERING



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EEE & IEE

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IEEE WOMEN IN ENGINEERING AFFINITY GROUP

STUDENT BRANCH CHAPTER

Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

(IEEE WiE SBAG Toc H)

REPORT: INNOHIVE

This is the report to intimate the events detailing that IEEE WIE SBAG Toc H has successfully conducted a Startup pitching competition named 'INNOHIVE: From Idea To Impact', on 5th April 2024 in association with IEEE SB Toc H.

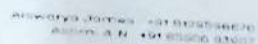
GOAL	To give students a unique chance to showcase their innovative ideas , receive feedback and expand their network.
DATE	5 th April 2024
TIME	1:45PM to 4:00 PM IST
TIME ZONE	Asia-Kolkata
VENUE	Ramanujan Hall
EVENT TYPE	Technical Event
CONCENTRATION LEVEL	S. B. Level
COORDINATORS	4 Execom Members
NO. OF PARTICIPANTS	IEEE Members : 16



Toc H



Deva Nanda Nair(s2 cse)
Anirudh k (s2 cse)





STUDENT BRANCH

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IEEE | Toc H



IEEE

INNOHIVE
From Idea to Impact
INNOHIVE

Winners

Deva
Nanda
Nair



Anirudh K

INNOHIVE



The startup pitching competition 'INNOHIVE: From Idea to Impact,' organized by IEEE WIE SBAG Toc H in association with IEEE SB Toc H, was successfully held on April 5th, 2024. The event aimed to give students a unique chance to showcase their innovative ideas, receive feedback, and expand their network. Held as a technical event at the SB level, the competition took place at Ramanujan Hall, Toc H Kochi. The event had 16 participants. The program began with a briefing on rules and regulations, followed by students presenting their business concepts to the judge within a 5-minute time limit. Pitches were evaluated based on innovation, feasibility, social impact, presentation, and team capabilities. The first prize was awarded to Deva Nanda Nair and Anirudh K, both from S2 CSE.

IEEE WOMEN IN ENGINEERING AFFINITY GROUP

STUDENT BRANCH CHAPTER

Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

(IEEE WiE SBAG Toc H)

REPORT: TECHSCRIBE

This is the report to intimate the events detailing that IEEE WiE SBAG Toc H In collaboration with IEEE WiE SBAGs of MACE, JECC and CCE as part of WiEmerge, WiE Week Celebration 2024 has successfully conducted a technical paper writing competition named 'TECHSCRIBE', on 4th April 2024 .

GOAL	It foster original research and innovation, enhance technical writing skills, and promote knowledge sharing within the technical community. The competition encourages critical thinking and problem-solving, provides professional development opportunities, and facilitates networking with industry experts.
DATE	4 th April 2024
TIME	11:45 pm IST (deadline)
TIME ZONE	Asia-Kolkata
EVENT TYPE	Technical Event



STUDENT BRANCH

Toc H

IEEE Women in Engineering
WIE

NO. OF PARTICIPANTS	IEEE Members : 26
PROGRAMME	The technical paper writing competition began with participants submitting abstracts of their research. Selected participants then submitted full papers, which were reviewed by a judge. Finalists were chosen based on the quality of their papers. Winners were decided based on their written papers and presentations.
WINNERS	First Prize: Alita Antony Jyothi engineering college cheruthuruthi



IEEE

STUDENT BRANCH

Toc H

Women in Engineering
Wie

WiEmerge
IEEE

TECHSCRIBE

Technical paper writing competition

DATE: 04/04/2024

MACE IEEE SB JECC IEEE | Student Branch Toc H CCE

WiEmerge
Wie
IEEE

TECH SCRIBE WINNER



ALITA ANTONY
JYOTHI ENGINEERING COLLEGE,
CHERUTHURUTHI

IEEE SB JECC CCE MACE IEEE | Student Branch Toc H

IEEE WOMEN IN ENGINEERING AFFINITY GROUP

STUDENT BRANCH CHAPTER

Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY

IEEE WiE SBAG Toc H

REPORT:SHUTTERBUG

This is the report to intimate the events detailing that **IEEE WiE SBAG Toc H** In collaboration with **IEEE WiE SBAGs of MACE, JECC and CCE** as part of **WiEmerge, WiE Week Celebration 2024** has successfully conducted a photography competition named '**SHUTTERBUG**', on **2th April 2024** .

TOPIC	Strength in vulnerability
DATE	2nd April 2024
TIME	11:45pm IST (deadline)
TIME ZONE	Asia-Kolkata
EVENT TYPE	NonTechnical Event
NO. OF PARTICIPANTS	IEEE Members : 24



IEEE

STUDENT BRANCH

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PROGRAMME	The photography competition began with participants submitting their best photos online. A judge reviewed all submissions, evaluating them based on creativity, technical skill, and adherence to the theme. The judge then selected the winner.
WINNERS	First Prize: Harikrishnan K Jyothi engineering college cheruthuruthi



IEEE

STUDENT BRANCH

Toc H

IEEE Women in Engineering
Wie



WiEmerge

WiE Week Contribution 2024



Kerala Section
WiE Affinity Group



IEEE

SHUTTERBUG

PHOTOGRAPHY

CONTEST

Topic: Strength in Vulnerability

DEADLINE: 2ND APRIL 2024



MACE

IEEE | Toc H



CCE



IEEE SB JECC



WiEmerge

WiE Week Contribution 2024



Kerala Section
WiE Affinity Group



IEEE

SHUTTERBUG

WINNER



HARIKRISHNAN K

Jyothi Engineering College,
Cheruthuruthi



IEEE SB JECC



CCE



MACE

IEEE |

STUDENT BRANCH
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IEEE WOMEN IN ENGINEERING AFFINITY GROUP

STUDENT BRANCH CHAPTER

Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
(in collaboration with) IEEE EdSoc Kerala Chapter

(IEEE WiE SBAG Toc H)



The HER STORY event, held on 6th march 2024 in celebration with International Womens Day, at Ramanujan hall, set the stage for a day of insightful discussion and networking opportunities under the banner of IEEE WiE SBAG Toc H(in collaboration with) IEEE EdSoc Kerala Chapter. Throughout the event the attendees engaged in enriching sessions led by Speaker: Ms. Nija Benny(Trainer, Psychologist & Life Designer Coach). Her expertise shed light on psychological aspects and offered practical life design strategies. I found the event inspiring and motivating, highlighting the importance of women's voices and contributions in society. It was a celebration of resilience and empowerment, urging us to support gender equality and women's advancement. The event end with a token of appreciation to all the senior faculties for their acheivements. Overall the event served as a catalyst in facilitating knowledge exchange ,skill enhancement and community-building within the IEEE ecosystem .

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

TALK SESSION

IEEE RAS SBC Toc H presented a talk session for first year Robotics and Automation students from 3:00 PM to 4:00 PM on the topic Foundations of Innovations:Navigating the landscape of Engineering.The speaker was Swathy Satheesh, Asst Professor ,Department of Robotics and Automation and Chapter Advisor, IEEE SPS SBC Toc H

Goal	The goal of the talk session on the topic "Foundations of Innovation: Navigating the Landscape of Engineering" was to provide students with a deeper understanding of what innovation is, why it is important, and how to cultivate a culture of innovation in engineering. The speaker, Asst. Prof. Swathy Satheesh, also discussed how to navigate the landscape of engineering to achieve innovation goals.
Date	26 October 2023
Time Zone	Asia Kolkata
Time	3:00 PM to 4:00 PM
Co ordinators	2 Execom Members
Platform / Venue	Toc H Institute of Science and Technology
Concentration Level(SB Level/Section Level/National Level)	Sb Level
No. of participants	49
Event Type	Technical Event

OVERVIEW

Details of the entire program are as follows:

3:00 PM - 3:05 PM:

The speaker Mrs. Swathy Satheesh gave an introduction about the topic.

3:05 PM - 3:10 PM:

After that, the speaker talked about different innovations and how they came about.

3:10 PM - 3:20 PM:

The speaker discussed the key factors that contribute to a culture of creativity and innovation in engineering.

3:20 PM - 3:50 PM:

How to navigate the landscape of engineering to be innovative and successful.

3:50 PM - 4:00 PM:

Q&A session , followed by Vote of thanks.



IEEE SIGNAL PROCESSING SOCIETY
STUDENT BRANCH IN COLLABORATION WITH IIC
Toc H INSTITUTE OF SCIENCE AND TECHNOLOGY
(IEEE SPS SB Toc H)

REPORT: INSIGHTX HACKATHON

This is the report to intimate the events detailing that **IEEE SPS SB Toc H** has successfully conducted a Hackathon **INSIGHTX** as part of their first offline event on the 7th of October 2023.

GOAL	To provide a conducive environment for the participants to create innovate projects
Date	7 th October 2023
Time Zone	Asia-Kolkata
Time	9:30 AM to 12:30 PM
Coordinators	4 Execom Members and 2 Volunteer
Venue	Ramanujan Hall, Aryabhata block
Concentration Level (SB Level/Section Level/National Level)	SB Level
Event Type	Technical
IEEE/NON-IEEE participants	IEEE Members: 8 Non-IEEE Members: 35

Time and Date	Programme
7 th October 2023 9:30 A.M	All the participants assembled at the venue (Ramanujan Hall, Aryabhata block) for the hackathon. The hackathon started with a briefing of the rules and guidelines.
9:35 A.M to 12:00 P.M	All participants assembled their projects. Refreshment was provided in between the programme.
12:00 P.M to 12:30 P.M	The teams presented their projects to the respective judge. Finally, the hackathon ended with a closing remark from the judge and SPS chair

Report prepared by
Maria Abraham
Secretary of IEEE SPS SB ToCH

Maria



AS OF THE HACKATHON

EE | Toc H

IEEE
Signal
Processing
Society

Institution's
Innovation Council

Qmark
TECHNOLABS

 IEEE

INSIGHTX

Hackathon Winners

FIRST PRIZE



Velshnavi B



Alswarya James



Richa Mathew

SECOND PRIZE



Nazrin K N



Gopika gopekumar



Fiya Ann Mary



Safhana KM

PHOTOGRAPHS







INSIGHTX

Hackathon

PRIZE POOL : 2.5K

TOPICS

- 1) HOME AUTOMATION
- 2) CAR ACCIDENT REDUCTION SYSTEM
- 3) AGRICULTURAL TECH

REGISTRATION

REG FEES RS.250
(TEAM OF 4)

DATE : 7 OCTOBER 2023
TIME : 9:30 -12:30

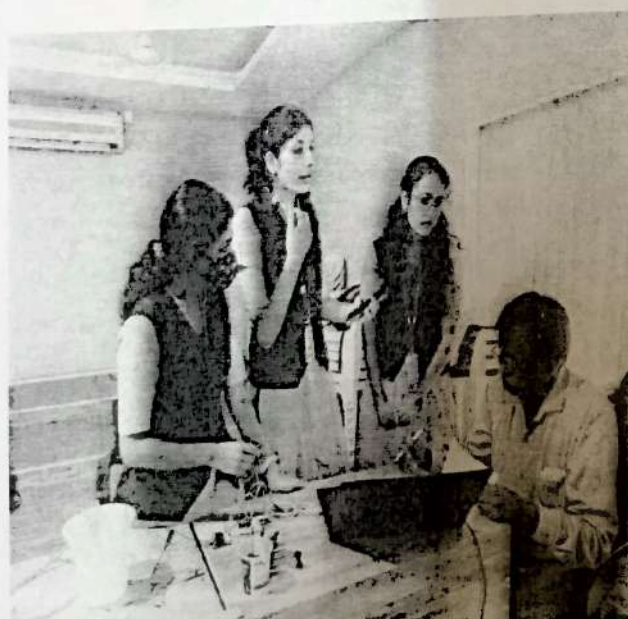


Noble : 6238133902
Musafir : 7736840485

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[ieeesbtch](#)



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

REPORT: TALK ON "APPLICATION OF NEURAL
NETWORK IN SAFETY ENGINEERING"

This report is to intimate the event detailing that IEEE SPS SB Toc H successfully conducted a talk on "Application of Neural Network in Safety Engineering" on 19th June 2023.

GOAL	The primary aim of the talk was to introduce participants to the concept of neural networks and explore their applications in safety engineering. The session aimed to highlight how neural networks can improve safety monitoring, risk prediction, and decision-making in engineering systems.
DATE	19th June 2023
TIME	Start time: 10:00 AM IST End time: 12:30 PM IST
VENUE	Toc H Institute of Science and Technology, Ernakulam
EVENT TYPE	Technical Talk / Expert Lecture
RESOURCE PERSON	Dr. Gnanasheela K.

TOTAL NUMBER OF PARTICIPANTS	Students, faculty members, and professionals interested in neural networks and safety engineering 40
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PROGRAMME DETAILS

10:00 AM – 10:10 AM	The session began with a welcome address and introduction to the IEEE SPS Student Branch Chapter at Toc H Institute of Science and Technology.
10:10 AM – 11:30 AM	Technical talk by Dr. Gnanasheela K. on the application of neural networks in safety engineering. The session covered fundamentals of neural networks, AI applications in safety systems, and real-world engineering examples.
11:30 AM – 12:15 PM	Interactive discussion session where participants engaged with the speaker and asked questions related to neural networks, safety prediction systems, and AI applications.
12:15 PM – 12:30 PM	Vote of thanks and conclusion of the session.





Application of Neural Network in Safety Engineering

19 August 2023 , 07:00pm to 08:00pm
Speaker : Dr. Gnanasheela K
Via Google Meet



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

REPORT : TALK ON MATLAB APPLICATIONS WITH RESPECT TO POWER CONVERTERS

This report is to intimate the event detailing that IEEE PES SB Toc H successfully coordinated a talk session on “MATLAB Applications with respect to Power Converters” in association with the Department of Electrical and Electronics Engineering on 4th July 2023.

GOAL	The primary aim of the session was to introduce participants to MATLAB and explain its practical applications in the analysis and simulation of power converters used in modern power electronics systems.
DATE	4th July 2023
TIME	Start time: 7:00 PM IST End time: 8:00 PM IST
VENUE	Online Session
EVENT TYPE	Technical Talk
RESOURCE PERSON	Mr. Sumukh Surya, Senior Engineer, Bosch Software Technologies
TOTAL NUMBER OF PARTICIPANTS	Students and faculty members from the Department of Electrical and Electronics Engineering

COORDINATORS	Sivapriya UR - Secretary, IEEE PES SBC Toc H
	Asst. Prof. Mangala Devi K T- Chapter Advisor, IEEE PES SBC Toc H
PROGRAMME DETAILS 7:00 PM – 7:05 PM	The session began with a welcome address by Sivapriya UR , Secretary of IEEE PES SBC Toc H, who introduced the speaker and explained the objectives of the session.
7:05 PM – 7:45 PM	Technical talk by Mr. Sumukh Surya , Senior Engineer at Bosch Software Technologies. The session covered MATLAB basics, industrial applications, and the use of MATLAB in modeling and simulation of power converters. The speaker also highlighted the importance of MATLAB solvers and their role in engineering analysis.
7:45 PM – 7:55 PM	A Q&A session was conducted where participants interacted with the speaker and clarified their doubts regarding MATLAB applications in power electronics.
7:55 PM – 8:00 PM	The session concluded with a vote of thanks by Asst. Prof. Mangala Devi K T , Chapter Advisor of IEEE PES SBC Toc H. Participants were also provided with a feedback form to share their suggestions and responses.

