



**NEW HORIZON**  
**COLLEGE OF ENGINEERING**



**IEEE**  
BANGALORE SECTION



**IEEE**  
**NHCE**  
STUDENT BRANCH

# **IEEE STUDENT BRANCH ANNUAL REPORT 2023 - 2024**

## **VISION**

- To emerge as an institute of eminence in the fields of engineering, technology and management in serving the industry and the nation by empowering students with a high degree of technical, managerial and practical competence.

## **MISSION**

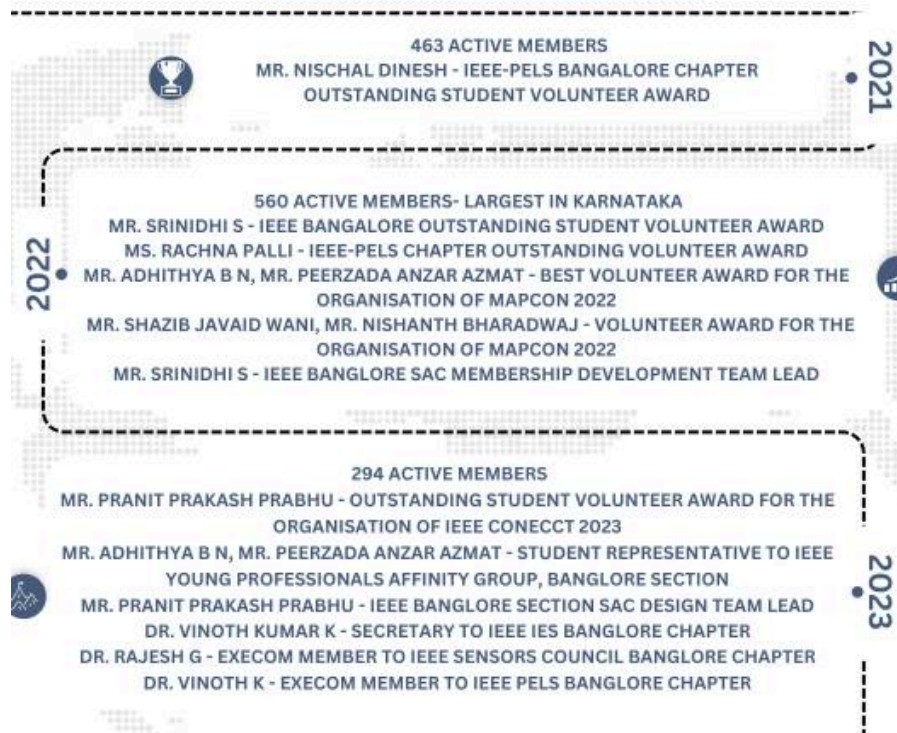
- To strengthen the theoretical, practical and ethical dimensions of the learning process by fostering a culture of research and innovation among faculty members and students.
- To encourage long-term interaction between the academia and industry through their involvement in the design of curriculum and its hands-on implementation.
- To strengthen and mould students in professional, ethical, social and environmental dimensions by encouraging participation in co-curricular and extracurricular activities.



# IEEE NHCE ROADMAP



# IEEE NHCE- A STORY OF PEOPLE



# TABLE OF CONTENTS

Sl. No.	NAME	PAGE
1.	About	5
2.	Faculty Advisor Details	6
3.	Events List- 2024	7-11
4.	Event Description	12-75
5.	List of Faculty Members	76
6.	List of Student Members	77- 80
7.	Membership Details	81
8.	Achievements	82

## **ABOUT OUR STUDENT BRANCH**

### **Objectives and Mission**

The IEEE NHCE Student Branch was established in 2018 is dedicated to fostering technical excellence and professional growth among students. It achieves this by creating awareness of state-of-the-art technologies, encouraging student participation in innovative projects and research publications, and enhancing networking opportunities among engineering professionals. Aligned with the global IEEE mission, the branch aims to contribute to the advancement of technology for the benefit of humanity. This is achieved through various technical events, including workshops, seminars, hackathons, and technical symposiums. The branch also provides a platform for innovation, leveraging the IEEE's resources such as highly cited publications, conferences, technology standards, and professional development activities. Furthermore, the branch is committed to developing future leaders by providing students with leadership opportunities, access to industry mentors, and exposure to real-world engineering challenges, ultimately preparing them for successful careers in the field.

### **Organizational Structure**

The NHCE-IEEE Student Branch is a vibrant and active technical body within New Horizon College of Engineering, composed of enthusiastic and dedicated professional students. It receives strong support from the Department of Electricals and Electronics. The branch focuses on finding the best solutions efficiently and is committed to continuous improvement and contributing to a better future, in line with the objectives of IEEE. To achieve these goals, the branch organizes a variety of events, including technical workshops, social gatherings, and industry visits. Members also actively participate in events and volunteer opportunities organized by the IEEE Bangalore section.

## FACULTY ADVISOR DETAILS

IEEE Student Branch Counselor: Dr. Rajesh G

CHAPTER	FACULTY CO-ORDINATOR	YEAR ESTABLISHED
WIE	Dr. Rajesh G	2018
RAS	Dr. Srinath M K	2021
PELS	Dr. Vinoth Kumar K	2018
Computer Society	Dr. B Swathi	2021
Sensors Council	Dr. Aravinda K	2021
IES	Dr. Vinoth Kumar K	2018
MTT-S	Dr. Rajesh G	2021
PES	Dr. Vinoth Kumar K	2018

## EVENTS LIST - 2024

	ACTIVITY NAME	DATE	PARTICIPANTS	RESOURCE PERSON
1.	Expert Lecture On “Comprehensive Approach to Object-Oriented Programming using Java”	07-Feb-24	87	Dr. Beenu Mago, an Assistant Professor in the school of computing at Skyline university, Sharjah, UAE
2.	Expert Lecture On “Modern Trends in Electrical Protection, Transmission and Distribution”	19-Jan-24	111	Mr. Vinoth Kumar S Senior Lead Electrical P and C Design Engineer WPS Consultant India Private Limited
3.	INDUSTRIAL VISIT TO RAJAMANE & HEDGE SERVICES PVT. LTD, TUMKUR PLANT HLTC.	18-Jan-24	51	--
4.	Speed Sprint	16-Jan-24	36	--
5.	Expert Lecture on Design Thinking: Human-Centred Approach to innovation	11-Jan-24	82	Dr. Chinnu Nallathambi, Founder of Brain Alchemy Technology Co-Founder of Brain Magic Academy and a WHO- endorsed Life Skill Trainer.
6.	Industrial Visit to Rajamane & Hedge Services Pvt. Ltd, Tumkur Plant HLTC.	11-Jan-24	51	--
7.	Young Innovators	12-Aug-24	16	--
8.	National Level Workshop on “Art of Writing a Research Paper in SCI Journals”	08-Aug-24	54	Dr. M Kowsalya, Professor, Department of Energy and Power Electronics, School of Electrical Engineering, Vellore Institute of Technology
9.	Byte Brawl-BGMI	06-Aug-24	26	--

10.	Best Manager	08-Jul-24	39	--
11.	Line Robot Challenge	26-Jun-24	34	--
12.	Drone Race	18-Jun-24	12	--
13.	National Level Workshop on "Modeling and Simulation of Electrical Networks using Scilab"	15-Jun-24	62	Mr. Sumukh Surya, Senior Engineer, Bosch Global Software Technologies Pvt. Limited.
14.	Bots Royale	10-Jun-24	11	--
15.	Guest Lecture on Challenges and Solution to meet Safety in Power Electronics Systems	08-Jun-24	57	Mr. Ganesh Narasimhan, Head of R&D, IPEC INDIA
16.	Interactive Session on Benefits and Opportunities of IEEE Membership	26-Apr-24	112	Dr. Srinivas Talabattula, Chair of IEEE Bangalore Section and Associate Professor - Electrical Communication Engineering from Indian Institute of Science, Bangalore
17.	Gesture Robotics Workshop	26-Apr-24	31	
18.	Wi-Fi Robotics	24-Apr-24	31	Mr. Suraj Kumar, Growth Manager, Elconics
19.	Guided Robotics Workshop	22-Apr-24	16	--
20.	Industrial Visit to Rajamane & Hedge Services, Tumkur Plant HLTC	23-Nov-24	50	--
21.	CSR Event	16-Nov-24	71	--

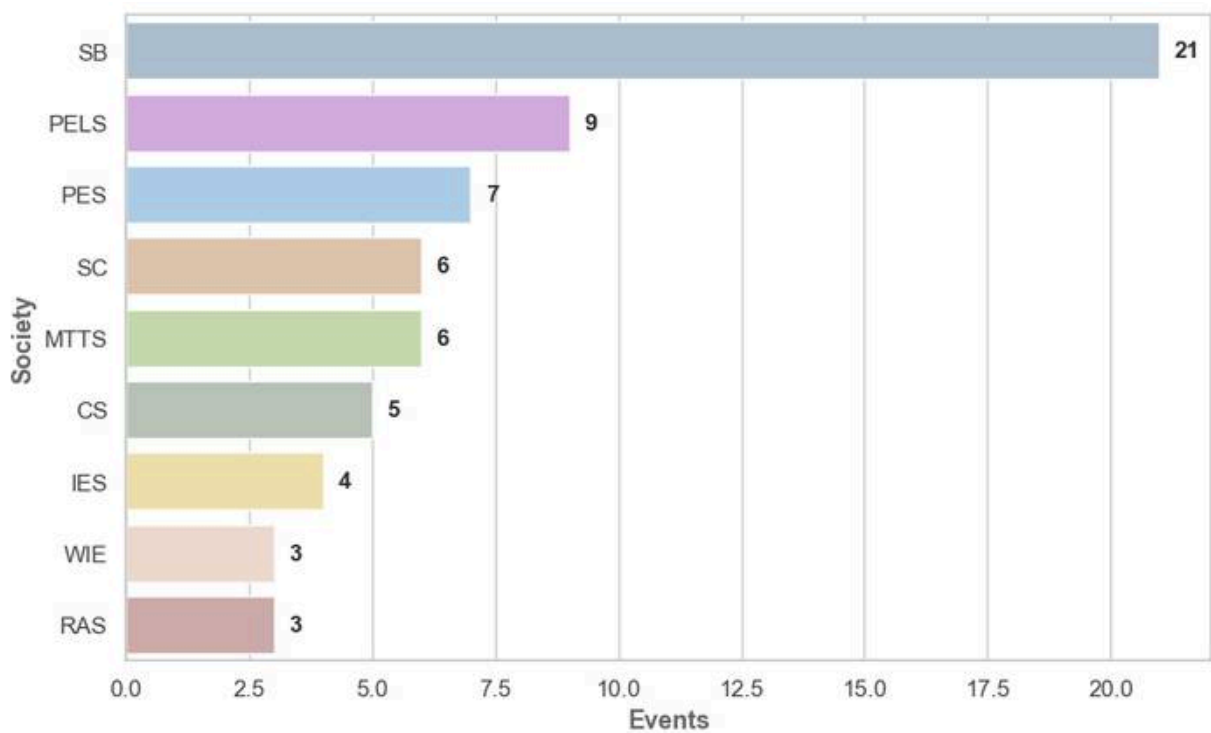
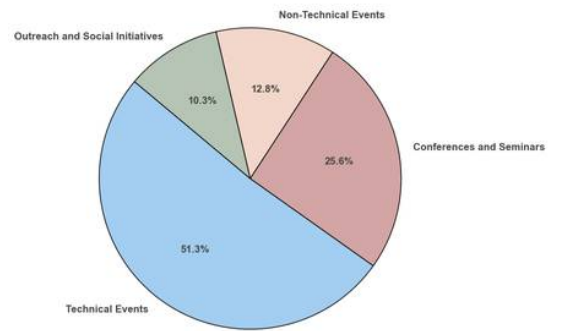
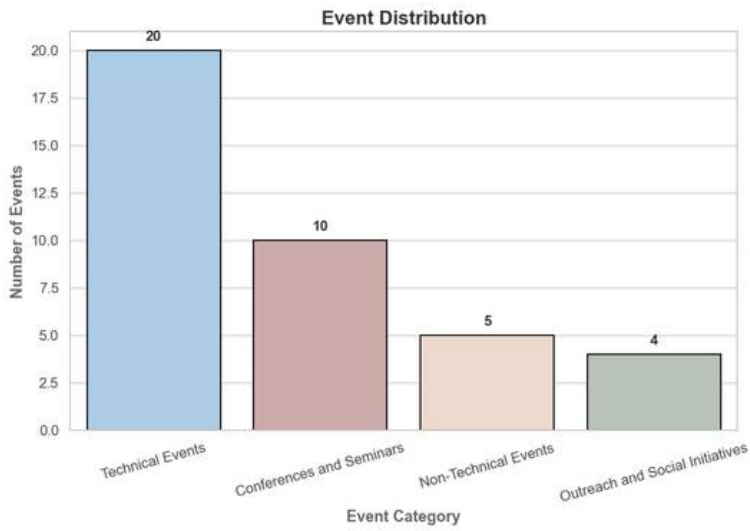


22.	Workshop on "Industrial Power Quality and Its Benefits"	15-Nov-24	105	Dr. N Prasanna, Proprietor, BEEE certified Energy Manager, Pranav Clean Energy Engineers, Chennai
23.	Guest Lecture on "Campus to Corporate Connect: Technical Skills"	14-Nov-24	250	Mr. Jyothinath Vanne , Senior Managing director Synergetic Software Engineering and Consultancy Services Pvt Ltd
24.	Expert Lecture on "Advanced Technologies in Electrical Engineering"	12-Nov-24	210	Dr.Z.H.Sholapurwala ,Managing Director, Zeonics Systech, Defence and Aerospace Engineers Pvt. Ltd, Bengaluru
25.	Short Term Training on "Research Challenges in Advanced Power Converters for Industrial Electronics Applications"	11-Nov-24	50	--
26.	Preparing Bright Minds for Children's Day - A School Activity	09-Nov-24	53	--
27.	GEN AI and PROMPT ENGINEERING Workshop	09-Oct-24	158	Bharatdeep Hazarika Software Engineer(AI), at myfi
28.	"Why IEEE?"	07-Oct-24	102	1. Rashi Agarwal - an Associate Product Manager at Drivex and former Chair of the IEEE NHCE Student Branch. 2. Sambhav Singh - Business Development Associate at Leadsquared and former Membership Development Chair.
29.	Seminar on Innovative Projects for IPR and Publications	04-Oct-24	45	Dr. Vinoth Kumar K, Professor and Associate Head of Research & Development
30.	"Blitz Bash"	04-Oct-24	90	--
31.	Circuit Premier League	30-Sep-24	53	--

32.	Expert Talk on "Research in Industrial Applications"	28-Sep-24	39	Dr. Vishal Anand A G, Chair - IEEE IES Bangalore Section Chapter and Director of Engineering, Bloom Energy (I) Pvt Ltd, Bengaluru
33.	Expert Talk on "Research in IoT and Smart Buildings"	18-Sep-24	35	Dr. Gnana Swathika O V, Professor, Centre for Smart Grid Technologies, School of Electrical Engineering, VIT, Chennai
34.	Chai Pe Charcha	17-Sep-24	400	--
35	Expert Talk on Interdisciplinary Research- An approach to address societal challenges	11-Sep-24	75	Dr. Hitesh Datt Mathur, Head, School of Interdisciplinary Research and Entrepreneurship, BITS Pilani, Rajasthan
36.	Awareness on unlocking Financial Opportunities	28-Aug-24	72	1. Shashi Kumar M, IEDS, Deputy Director, MSME Development & Facilitation Office, Ministry of Micro, Small & Medium Enterprises, India 2. Dr. Shivanna D M, CEO & Co-Founder, ARRKIS Inovtech Pvt. Ltd, Bengaluru

37.	FOUNDER'S FORUM	26-Aug-24	200	--
38.	National Level Workshop on Research Grant Proposal Writing for DST	21-Aug-24	74	Dr. J Jayakumar, Professor, Division of Electrical and Electronics Engineering, School of Engineering and Technology, Karunya Institute of Technology and Sciences

# EVENT STATISTICS



## **Expert Lecture: “Human-Centred Approach to Innovation”**

On January 11, 2024, the IEEE Power Electronics Society NHCE Student Branch Chapter (IEEE PELS NHCE SBC), in association with the IEEE PELS Bangalore Section Chapter, organized an expert lecture titled “Human-Centred Approach to Innovation” at Tejas Seminar Hall, NHCE. The event was coordinated by Dr. Sujitha S., Professor, EEE Department, NHCE.

### **Speaker and Session Highlights:**

The session was delivered by Dr. Chinnu Nallathambi, Founder of Brain Alchemy Technology, Co-Founder of Brain Magic Academy, and a WHO-endorsed Life Skills Trainer. Dr. Nallathambi shared profound insights into leveraging the subconscious mind for fostering creativity and innovation. He emphasized the role of subconscious processes in shaping thoughts, ideas, and problem-solving capabilities.

Through an engaging, interactive format without traditional slides, Dr. Nallathambi encouraged participants to share their thoughts openly. His key message revolved around unlocking individual potential, highlighting that innovation begins by understanding and nurturing one's innate abilities.

### **Impact and Participation:**

The session was attended by 82 participants, who actively engaged in discussions and left inspired by the talk's practical and motivational approach. Dr. Nallathambi's lecture underscored the importance of a supportive learning environment, equipping students with a positive and adaptable mindset to face challenges and harness their creativity.

### **Conclusion:**

The event was a resounding success, reflecting the dedication of the Innovation Club to fostering a dynamic and enriching learning culture. This impactful session left participants empowered to explore their potential and approach innovation with a human-centred perspective.



## **Industrial Visit to Rajamane & Hegde Services Pvt. Ltd.**

The IEEE Power Electronics Society NHCE Student Branch Chapter of the Electrical & Electronics Engineering Department, NHCE, in collaboration with the IEEE PELS Bangalore Chapter, organized an industrial visit on “Electrical Machines: Synchronous and Induction Machines” on January 11, 2024. The visit took place at Rajamane & Hegde Services Pvt. Ltd., Tumkur, a pioneer in the repair and servicing of LT/HT-AC/DC electric motors, generators, and servo motors.

### **About the Industry**

Founded in 1975 by Mr. S.K. Rajamane, an ex-design engineer of rotating machines from Kirloskar Electric, the company is recognized as a trusted service partner by many global and OE manufacturers. With state-of-the-art facilities in Bangalore, Tumkur, and Hubli, the company has established itself as a leader in electrical machine services.

### **Objective and Outcome**

The industrial visit aimed to expose students to real-world industrial practices and provide a platform for knowledge exchange on the latest developments in synchronous and induction machines. The session offered an insightful overview of the design, operation, and servicing of electrical machines, fostering a deeper understanding of the field.

### **Participation and Benefits**

The program was attended by 45 student participants, accompanied by 2 faculty members (Dr. Gunapriya B. and Prof. Satishkumar D.) and 2 lab instructors (Mr. Narasimha Moorthy and Ms. Poorva). The session was engaging and informative, leaving participants enthusiastic about advancements in the electrical machines industry.

### **Conclusion**

The visit was a resounding success, providing students with practical exposure to industrial applications of electrical machines and bridging the gap between academic learning and industry practices.



## Speed Sprint – QuantumX'24 Fest

The Speed Sprint event, part of the QuantumX'24 fest at New Horizon College of Engineering (NHCE), was an exciting RC car race held on January 16, 2024, from 12:00 PM to 3:00 PM. It attracted 36 teams from across India, showcasing technical innovation and competitive spirit.

The track, designed in the shape of "NHCE", measured 19m x 11m and presented a unique challenge to participants. The competition was conducted in two rounds, with the best time recorded across the rounds determining the winners.

### Event Rules and Challenges

Participants adhered to clearly defined rules that tested their ingenuity:

Wireless bots with a maximum weight of 5kg (10% tolerance).

Powered by a 12V battery.

This format encouraged innovative designs within the constraints, ensuring a fair and challenging competition.

### Winners

Team Uvira from KPIT, Coimbatore, claimed the top position by demonstrating superior technical skills, strategy, and teamwork. Their precision and speed allowed them to achieve the best time, securing their victory.

### Highlights and Prize Pool

With a prize pool of INR 16,000, the event heightened excitement and competitiveness. It fostered a spirit of innovation, teamwork, and sportsmanship among the participants.

### Conclusion

The Speed Sprint was a grand success, setting a high benchmark for future editions of QuantumX. It exemplified NHCE's commitment to promoting technical excellence and fostering a culture of innovation and collaboration.





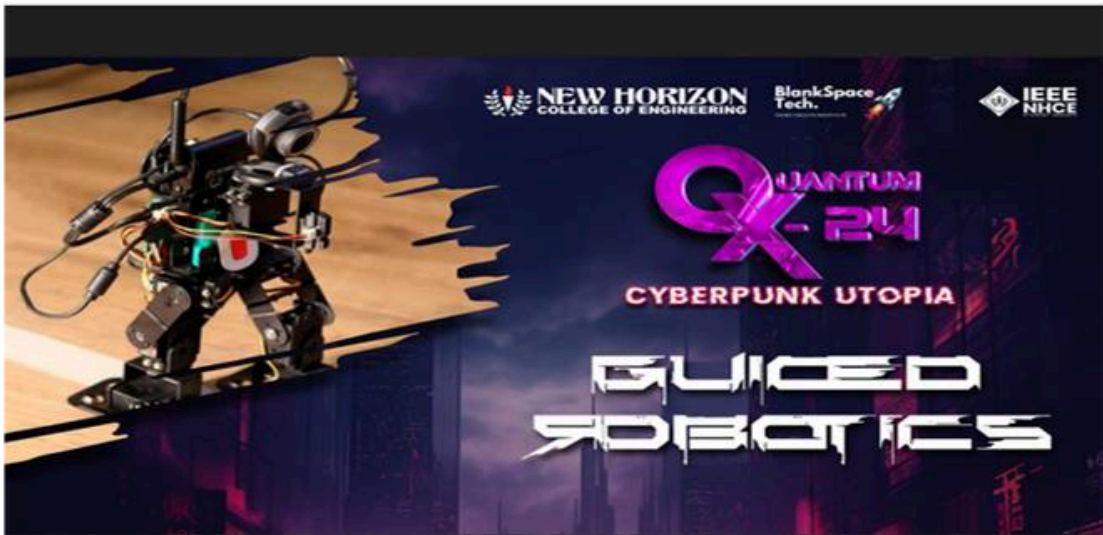
## Guided Robotics Cyberpunk Utopia Workshop

Guided robotics refers to the use of autonomous or semi-autonomous robotic systems that are equipped with sensors, cameras, and other technologies to navigate and perform tasks with minimal human intervention. These systems are guided by algorithms, artificial intelligence, and sensor data, allowing them to interact with their environment and make decisions based on the information they receive. The primary goal of guided robotics is to enhance efficiency, precision, and automation in various industries and applications.. They are designed to perform tasks such as material handling, inspection, assembly, and transportation.

Guided robots use a variety of sensors, including cameras, ultrasonic sensors, and proximity sensors, to perceive and understand their surroundings. This enables them to avoid obstacles, identify objects, and adapt to changes in the environment. In certain applications, guided robotics emphasizes collaboration between robots and human operators. This collaborative approach allows robots to work alongside humans, enhancing productivity and safety.

Guided robotic systems can be customized to meet specific requirements in different industries. Their flexibility allows for easy reprogramming or reconfiguration to adapt to changing tasks or environments. Guided robotics plays a crucial role in the concept of Industry 4.0, where automation, connectivity, and data exchange are central. These robots contribute to the creation of smart factories and connected systems that optimize manufacturing processes.





## Lecture on “Comprehensive Approach to Object-Oriented Programming using Java”

The IEEE NHCE Student Branch Chapter of Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru had organized the Lecture on “Comprehensive Approach to Object-Oriented Programming using Java” on 7th Feb 2024, Wednesday, between 11:00 AM to 1:00 PM for 5th semester students in room B203 and B204 of EEE dept, NHCE Bengaluru. The objective of the programme was to make the students understand the basics of Java in terms of object-oriented programming. Dr. Beenu Mago, an Assistant Professor in the school of computing at Skyline university, Sharjah, UAE had conducted today’s session. Dr. Mago conducted live session on topics like methods, objects, classes, constructors, static variables, access modifiers, data field, encapsulation and sought clarity on furthermore topics. The seminar fostered an interactive learning environment, encouraging participants to ask questions and engage in theoretical experiences. This session equipped students with foundational knowledge in java and enhanced their proficiency in the concept of object-oriented programming.





## “Wi-Fi Robotics”

The immersive hands-on workshop encompassed fundamental robotics principles, delving into intricate Wi-Fi technology intricacies, and facilitating both assembly and programming aspects. The collaborative environment emphasized teamwork, emphasizing real-world relevance. Noteworthy challenges included technical intricacies and temporal constraints, yet participants witnessed tangible improvement in their practical skills. This exhaustive workshop provided participants with a profound exploration of Wi-Fi robotics, placing a central focus on the versatile ESP8266 module. Through hands-on engagement, participants gained an in-depth understanding of seamlessly integrating ESP8266 for wireless communication, implementing LED blinking scenarios, and navigating the intricate world of Arduino integration. The workshop expanded its horizons, delving into a meticulous examination of hotspot establishment and utilization, offering participants a nuanced comprehension of ESP8266's multifaceted capabilities. Notably, the project encompassed the entire robotic system, utilizing Arduino as the core controller for enhanced functionality. Despite navigating through technical intricacies and temporal constraints, participants emerged with significantly enhanced practical skills, accentuating the tangible and indispensable real-world relevance of ESP8266 and Arduino within the dynamic landscape of modern robotic systems.





## Gesture Robotics Workshop

Event started with welcome address and introduction of speaker from by the student coordinator Ms.hatakshi, belongs to Dept of EEE. Then the speaker Mr. Sonukumar, Embedded Engineer, Desun Technology Pvt Ltd, Bangalore started the session with introduction about gesture Robotics. Followed by handson session started with forming the participants of group size four. There were 34 registrations out of which 31 were participated. So, There were 8 groups. Each group were given with a Kit for doing project. The speaker covered the hands-on session with How to install Arduino, drivers related to it, Installation of parts on chasis, Arduino coding, Circuit connections, Loading code into the IC and Wireless IC communication. End of the session, participants shared their experience about the workshop by filling the feedback form. Finally workshop ends with vote of thanks by student coordinator Ms. Preety Gupta belongs to Dept of EEE and completed the workshop successfully.

**Outcome:** Students got the basic exposure about the gesture robotics through hands-on session.







## Interactive Session on Benefits and Opportunities of IEEE Membership

The IEEE PELS & IES NHCE Student Branch Chapters from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is organized the Interactive Session on Benefits and Opportunities of IEEE Membership” on 27th May 2024, Monday from 03:00 PM to 04:00 PM in association with IEEE PELS Bangalore Section Chapter and IEEE IES Bangalore Section Chapter. Dr. Srinivas Talabattula, Chair of IEEE Bangalore Section and Associate Professor - Electrical Communication Engineering from Indian Institute of Science, Bangalore acted as a resource person. The resource person clearly provided the information about opportunities and Benefits in IEEE. He pointed out IEEE members can access information on local events and activities by signing in to IEEE Collabratec®, an integrated multi-functional platform and global network of technology-focused professionals, leveraging IEEE's extensive knowledge base and community of thought leaders, Network with other technology professionals, Establish a professional profile highlighting your accomplishments, Join and participate in discussions on various technical interests, Create a group to share and collaborate on projects and discover IEEE events and activities throughout the world The entire session is very informative and enthusiastic manner about IEEE Professional Body. The eminent expert from the ABB Medium - Voltage Drives, Switzerland and Stellenbosch University, South Africa delivered the lecture and his talk has been very well received by the 83 participants. Congratulations to Event Coordinator Dr. Vinoth Kumar K, Professor, Department of EEE, NHCE & IEEE PELS, IES NHCE SBC Advisor successfully organized this event.







## QuantumX 24 Bots Royale

The QuantumX 24 Bots Royale showcased thrilling robotic combat with 9 teams in the 8kg category and 11 teams in the 15kg category from across India. The event featured qualifiers, quarterfinals, semifinals, and finals conducted on the same day.

Matches alternated between weight categories to maintain a dynamic flow, with teams allotted 20–30 minutes between bouts for preparation. Judging, led by Tufan and Sujan, ensured fairness and adherence to rules.

The battles were intense, with metallic clashes and strategic maneuvers leaving participants and spectators enthralled. Some matches extended to the 3-minute timeout, where winners were determined based on aggression, control, and damage.

Participants appreciated the well-structured schedule and competitive environment. The event earned widespread recognition for its fairness, excitement, and adherence to high standards, setting a benchmark in the robotics community.





## Guest Lecture on Challenges and Solution to meet Safety in Power Electronics Systems

IEEE PELS NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is organized the Guest Lecture on Challenges and Solution to meet Safety in Power Electronics Systems on 08th May 2024, Saturday from 10:00 AM to 11:30 AM in association with IEEE PELS Bangalore Section Chapter. Mr. Ganesh Narasimhan, Head of R&D, IPEC INDIA acted as a resource person. The resource person clearly provided the information about opportunities, Challenges and Solution to meet Safety in Power Electronics Systems. The entire session is very informative and enthusiastic manner about Safety in Power Electronics Systems. The eminent expert from the IPEC INDIA delivered the lecture and his talk has been very well received by the 50 participants.







## **National level workshop on “Modeling and Simulation of Electrical Networks using Scilab”**

The IEEE IES NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru had organized the National level workshop on “Modeling and Simulation of Electrical Networks using Scilab” 15th June 2024, Saturday, between 10:00 AM to 11:30 AM in association with IEEE Industrial Electronics Society Bangalore Chapter at NHCE Bengaluru. This workshop attracted participants from various institutions and industries, emphasizing the growing importance of simulation tools in engineering. The workshop was an enlightening experience, offering deep insights into the practical applications of Scilab in industrial settings. Participants were introduced to the extensive capabilities of Scilab and its advantages and limitations compared to other software like MATLAB. The session was conducted by Mr. Sumukh Surya, an expert in the field of computational mathematics and simulation tools. His extensive knowledge and engaging presentation made the workshop highly informative. Overall, the workshop on "Modeling and Simulation of Electrical Networks using Scilab" was a resounding success. It provided valuable knowledge and practical skills that are crucial for both students and professionals in the field of electrical and electronics engineering. The session was fascinating and informative, offering a clear understanding of how intelligence in the form of computational tools like Scilab works in solving real-world engineering problems.

Accuracy of solvers

Type of Solver	RMSE in $x_1$	RMSE in $V_1$	Step Size
ODE 45	0.004847	0.0096	$1e^6$
ODE 23s	0.0477784	0.0947	
ODE 113	0.0065039	0.14768469	
ODE 15s	0.0371177	0.03711768	

ODE45 is almost 10 times more accurate than ODE23s however ODE 23s is quicker as the equations become stiff when step size reduces

Solvers

- Fixed Type & Variable Type
- In **fixed type solver**, model is simulated using the same step size from the beginning to the end of the simulation
- The user can specify the step size or let the solver choose it (auto)
- Generally, decreasing the step size increases the accuracy of the results and the time required to simulate the system
- In **variable type solver**, the step size is varied during the simulation
- These solvers reduce the step size to speed up the solution and hence unnecessary steps are not considered

Microsoft Edge (What's New)

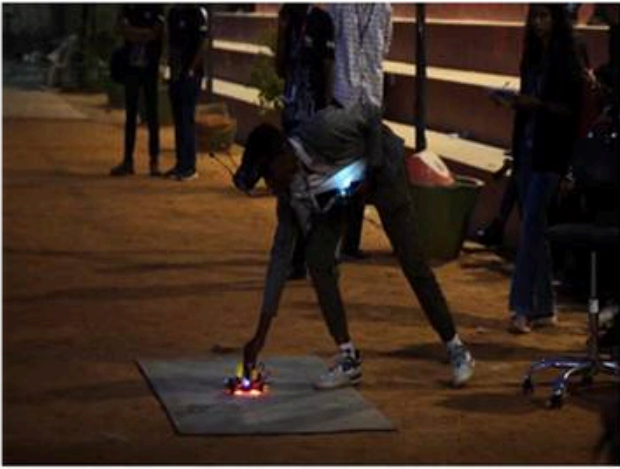
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## QuantumX 24 - "Drone Race"

Welcome to the adrenaline-fueled world of the Drone Race, where innovation and competition converge in a spectacular showcase of autonomous flying machines. The recently concluded Drone Race unfolded as a thrilling spectacle where 11 teams participated and qualified. The pilots had a maximum of two attempts allowed, and faced the challenge of completing the circuit without avoiding any hurdles. The best score from these attempts was considered the official score for the round. The time allotted for each round was capped at 5 minutes, as drones weaved through gaps to complete the circuit. The team completing the round in the minimum time with the maximum points emerged as the winner of the competition. Drones had to adhere to specific dimensions, battery requirements, and prop size limitations. Analog and digital configurations were both allowed. Pilots were required to arrive with their complete setup one hour before the official race time and be ready to fly 30 minutes before the race. The race format was carefully structured, with qualifiers dividing participants into two groups. The top 3 teams from each group advanced to the semi-finals, and the final round followed a "Chase the Ace" format. This format, combined with a points system, determined the winners, fostering competition and strategic racing. Out of 11 qualifying teams 4 teams made it to final round where 3 teams secured 1st, 2nd, and 3rd place. The Drone Race not only showcased the technical prowess of participants but also highlighted the dynamic nature of drone technology. The event was a testament to the intersection of innovation, precision, and competition in the ever-evolving world of autonomous flying machines. As drones soared through the air, the race became a celebration of skill, pushing the limits of technology and leaving participants and spectators alike in awe of the possibilities in the realm of drone racing.





## Line Robot Challenge

Welcome to the Line Robot Challenge, step into the arena of innovation and competition with the Line Robot Challenge! Team to build their own autonomous robot within the specified dimensions to achieve the maximum speed on the given track and reach the destination in minimum time. The robot must start behind the starting point and is considered to have crossed the finishing line if any part of the robot crosses it in a full lap of the course. The robot must follow the black line. The competition area has a special place defined for the robot's operation here after · A match is played by a single team in one go, with each team consisting of 1 Wireless/autonomous Bot. An individual may participate or can even construct a team of maximum of 2 members. Any institution (School/College/University/ Vocational Institution) or group of students (within defined age below 25), may form a team. The participating bots must be wireless and autonomous. It can be circular / Rectangular in style. Bot must fit inside a box of 25 centimeters length, 25 centimeters wide and 25 centimeters height at any point in time. Maximum weight should not be more than 2Kgs including battery, however, a tolerance of 5% in weight is acceptable. 32 Teams participated in Round 1. 12 Teams qualified from Round 1 Qualified teams will compete in this round to achieve the minimum runtime. A single run will be conducted for each qualified team. Teams with the minimum runtime will be nominated as the top runners for the competition.and 2 teams won prizes of First and Second Place.





## “The Best Manager” Event

Elevating leadership to new heights! The Best Manager, an interactive event for students to develop their business acumen, navigate corporate environments, and enhance their managerial capabilities through real-life scenarios. There was an epic lineup of rounds where each individual could unleash their inner manager and conquer challenges like never before! The first round was an “Aptitude Round” set for 30 minutes. After which there was a small activity wherein students had to pick-by-paper and perform their assigned tasks. The second round was a “Press Conference” set for 30 minutes. Participants would be asked to step into the shoes of any prominent character and pitch themselves as the ‘Best Manager’ in 2 minutes. They would be expected to draft a simple resume for that character and present the hard copy to the judge in the stipulated time. The third round was “Sales Pitch” set for an hour. Participants would be asked to utilize the product provided to them and deliver a 1- minute pitch with a preparation time of 5 minutes on stage as a try to sell the product, following which they will be questioned by the judges related to the pitch. The fourth round was “Stress Interview” set for 50 minutes with five minutes per individual. The judge would serve as the interviewer of this round and is expected to use aggressive questions, and interruptions and ask the candidates to perform embarrassing tasks and put them in the toughest of situations to judge their problem-handling and stress-management abilities.







## **“Byte Brawl-BGMI”**

The Quantum X Gaming Event unfolded as a captivating odyssey of competition and camaraderie, spanning five rigorous elimination rounds that showcased the resilience and skill of gaming enthusiasts. The journey commenced with an impressive 26 teams fiercely competing in the initial round, each eager to secure a foothold in the tournament. As the competition progressed, the stakes rose, and only 14 teams emerged victorious, earning the right to advance to the next stage. Round two intensified the gameplay, pitting the 14 qualified teams against each other in a battle of strategy and precision. The field narrowed down further as only 7 teams demonstrated exceptional prowess, securing their passage to round three. The competitive landscape continued to evolve, with each subsequent round featuring a gradual reduction in the number of participating teams. From 7 to 5, and then down to 4 teams, the journey reached a pivotal juncture in the semi-finals. The semi-finals, Round 5, witnessed a climactic clash between the four remaining teams. The intensity of the matches was palpable as these elite competitors vied for a coveted spot in the showdown. Two teams emerged victorious, earning the right to face off in the grand finale. The showdown was a best-of-three match, a culmination of weeks of strategic planning and precision gaming. Team Rahul, with their exceptional teamwork and strategic acumen, emerged as the ultimate victors. Their triumph was not just a testament to individual skill but also underscored the importance of collaborative efforts within a team. Each participating team, comprising approximately 4-5 dedicated individuals, contributed to the event's dynamic and competitive atmosphere. The diversity of skills and strategies brought forth by these teams added depth and excitement to each round of the competition. The Quantum X Gaming Event, beyond being a showcase of gaming excellence, emerged as a hub for fostering connections within the gaming community. It provided a platform for enthusiasts to connect, compete, and share their passion for the immersive world of gaming. In conclusion, the Quantum X Gaming Event was a resounding success, offering a thrilling journey from the initial 26 teams to the crowning of Team Rahul as the ultimate champions. The event not only celebrated gaming prowess but also exemplified the spirit of collaboration, competition, and the vibrant gaming culture that unites enthusiasts on a common platform.

**19** **DEFEAT** **40**

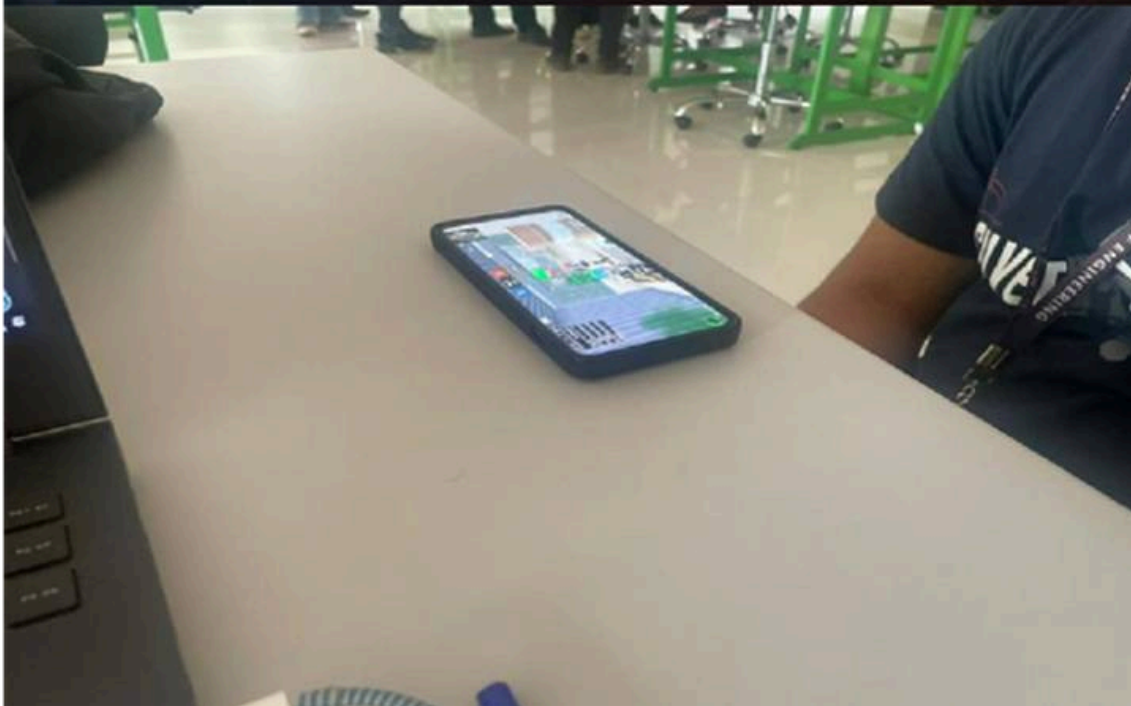
	Finishes	F/D	Assists		Finishes	F/D	Assists
meiltraNash	9	0.9	4	shoaikhani	12	4	5
NaughtNaughty	4	0.5	5	Ip - Anzuzu057	11	1.9	10
RFL - gear	4	0.4	4	DYrest	10	2.5	7
BR07EMIL	2	0.2	9	DINEEM	7	1.2	7

Report Yes (100)

**34** **DEFEAT** **40**

	Finishes	F/D	Assists		Finishes	F/D	Assists
MACHU	13	1.5	6	MISTAHPeR	19	3.2	5
Poi	11	1	7	MISTAHMEGAAA	14	1.8	9
TX - LOVER	6	0.6	6	Matrix	5	0.5	16
DARE - NINJA	4	0.5	7	G	2	0.2	7

Report Yes (100)



**36**      **DEFEAT**      **40**

	Finishes	F/O	Assists		Finishes	F/O	Assists
<b>DisneyOcean7</b>	3 Combos	11	19	5	<b>Team3RayNabi</b>	3 Combos	13
<b>Prayy</b>	3 Combos	9	0.8	10	<b>Vertxxxxxx00</b>	10	1
<b>BLACKHILL</b>	8	0.7	11		<b>SNOSSE</b>	9	1
<b>TERRIFIC-UCJ</b>	3 Combos	8	0.8	10	<b>VylanPAPA</b>	8	0.8

Yes ( 100 )

**NEW HORIZON**  
COLLEGE OF ENGINEERING

**IEEE**  
**NHCE**

# QUANTUM X-24

## CYBERPUNK UTOPIA

# BYTE BRAWL

# BGMI

06th Aug, 2024

Team Size: 4 + 1

Registration Fee: Rs. 500/-

Prize Pool: Rs. Rs. 12,000/-

Contact: Adnan Azam- +91 99868 67746

Register Now

## **Workshop on “Art of Writing a Research Paper in SCI Journals”**

Department of Research and Development organized the Workshop on Art of Writing a Research Paper in SCI Journals held on 08th August 2024, Thursday, between 02:00 PM to 04:30 PM in association with IEEE Industrial Electronics Society Bangalore Chapter and IEEE IES NHCE SBC at Tejas Seminar Hall, NHCE Bengaluru. Dr. M Kowsalya, Professor, Department of Energy and Power Electronics, School of Electrical Engineering, Vellore Institute of Technology, Vellore served as Resource Person for this workshop. This lecture provides a Writing a Research Paper in SCI Journals and also discussed about the templates of journals and plagiarism issues. She outlined the difference between academic writing and general writing and provided his insights regarding the same. Thereafter, he identified several generic issues faced by writers and addressed them accordingly. Some of them are as follows – fixed mindset of not being able to write, lack of creativity, lack of vocabulary, inability to convey one’s thoughts through sentences and uncertainty of where to begin the process of writing. She addressed these concerns by providing simple yet resourceful answers. Various types of academic writings were identified by him which are as follows – Essays, Research Papers, Thesis/Dissertations, Research Proposals and Literature Reviews. They were classified on the basis of word count, formality and requirements. The workshop proceeded to its next topic of discussion, namely, common errors made by writers. Informal language, improper use of words/synonyms, punctuation, lengthy sentences/paragraphs, tense usage, plagiarism of texts, consistency and typos were identified to be the most common mistakes of a writer and were discussed accordingly. The feedback is very positive and encouraging. The eminent expert from the VIT delivered the lecture and his talk has been very well received by the 55 participants. 55 faculty members are benefitted.



## Founder's Forum

The Founder's Forum held on [25.01.2024] brought together some of the most influential CEOs in the industry, fostering an insightful dialogue on the intersection of technology, artificial intelligence (AI), and the financial landscape. Notable attendees included CEOs from prominent companies such as BlueLearn and Predprodai. The Founder's Forum featured a dynamic panel discussion that added a layer of depth to the discourse. The panel, consisting of CEOs and experts, delved into diverse topics such as the stock market, intraday trading, and the unveiling of internship opportunities. AI's Role in Shaping the Future: The CEOs engaged in a profound discussion on the transformative role of AI in shaping the future. Emphasis was placed on the integration of AI technologies to enhance efficiency, decision-making processes, and overall innovation across industries. Financial Landscape and AI Integration: The intersection of AI and finance emerged as a focal point, with insights shared on how advanced AI algorithms are revolutionizing financial operations. The CEOs exchanged ideas on leveraging AI for risk management, fraud detection, and personalized financial services. BlueLearn's Perspective: Shreyans Sancheti, Kenan Collaco, and Chandan Perla from BlueLearn provided insights into their company's approach to AI in education technology. The discussion revolved around the impact of AI on personalized learning experiences and its potential to revolutionize the educational landscape. PredProdAI's Vision: Shelly Dangi and Krishna Deva of PredProdAI shared their company's vision for AI in product development. The conversation delved into the ways AI can optimize product lifecycles, accelerate innovation, and drive competitiveness in the market







## Awareness on Unlocking Financial Opportunities: Capacity Building for MSME Funding

Understanding MSMEs and IEDS provides insights into real-world applications of engineering principles and the impact of innovative design on industry. For faculty members, incorporating MSME and IEDS concepts into curricula can enhance the educational experience, preparing students for dynamic careers in engineering. To focus on the Awareness on Unlocking Financial Opportunities: Capacity Building for MSME Funding a seminar was organized by the R&D department in association with NHCE IIC and IEEE IES Bangalore Chapter on 28.08.2024. The session was hosted by poojitha of the 6th Semester EEE student and started with a Welcome Note to our speaker, to all the faculty of the NHCE. The seminar was preceded by a short talk by the PRINCIPAL. In his talk, he emphasized the importance of the program how to go about enhancing it. Images It was a very informative and interactive session where students came to know about the rightful ownership and preventing the unlawful use of your property. The event ended with an honorarium to the Speaker and a vote of thanks. Feedback was taken in order to analyze the effectiveness of this seminar. It was found that the seminar was an excellent event and found the information imparted to them relevant.



## Chai Pe Charcha – Exploring Digital Transformation in Education

On the evening of September 17th, 2024, the much-anticipated "Chai Pe Charcha" unfolded with a dynamic panel discussion on the theme "Digital Transformation in Education." The event brought together thought leaders and industry experts to discuss the evolving educational landscape in the digital era.

Moderated by Dr. Rabindra Shah, Chief Engineer at Tata Technologies, the discussion explored key aspects of digital transformation in education.

The esteemed panel included:

Mr. Manas Dasgupta – Co-Founder, Teksands

Mr. Sudeep Srikantaswamy – Director, Wealth Management & Family Office, Bangalore

Ms. Sonali Jha – CEO, Cunomial Technologies

Mr. Vijetha Shastry – Associate Director, Standard Chartered Bank

This engaging event offered diverse perspectives on technological, financial, and strategic aspects shaping the future of education.



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# CHAIRPE CHARCHA

## Panel : Digital Transformation in Education

Moderator	Speaker	Speaker	Speaker	Speaker	Speaker	Speaker
<b>Mr. Rabindra Sah</b> Chief Engineer, Tata Technologies	<b>Mr. Manas Dasgupta</b> Co-Founder, Tokovox	<b>Mr. Sudeep Srikanteshwamy</b> Director HR & Management & Family Office, Bangalore	<b>Ms. Sonali Jha</b> CEO, Catalytic Technologies	<b>Mr. Vjetha Shastri</b> Associate Director, Maruti & Chevrolet India	<b>Mr. P.G. Subramanian</b> Chairman, IITM	<b>Mr. Jagadeesh Sunkad</b> Director, Kalyaneshwari Engineering Institute Pvt. Ltd.

thoc\_official | quantifox\_nhce



## Research in IoT and Smart Buildings

The Department of Research and Development organized the Expert Talk on “Research in IoT and Smart Buildings” on 18th September 2024, Wednesday, between 10:00 AM and 12:30 PM. The event was conducted online via Google Meet in collaboration with IEEE Power Electronics Society Bangalore Chapter and IEEE PELS NHCE Student Branch Chapter.

Dr. Gnana Swathika O.V., from the School of Electrical Engineering, Vellore Institute of Technology, Chennai Campus, served as the resource person for the program. The session emphasized the processes of digital transformation, which involve various socio-technical activities aimed at increasing productivity, safety, and quality of execution. The talk highlighted sustainable development, collaborative working solutions for smart cities, and trends in building sector digitization. Current smart building systems incorporating various sensors, actuators, and dedicated networks were also discussed, focusing on energy efficiency and comfort.

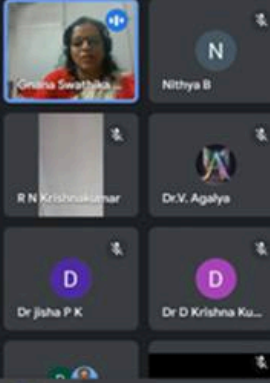
The session was well-received by 35 participants, primarily faculty members. Feedback gathered through surveys indicated a positive and encouraging response. Dr. Gnana Swathika’s presentation was highly informative and beneficial.

Gnana Swathika O V (Presenting)

## TABLE OF CONTENTS

tanunika sharma can now join this meeting

- IoT & Cloud Computing
- IoT Applications
- Smart Buildings



10:08 AM | jsv-lhcr-xtz

Gnana Swathika O V (Presenting)

## IoT in NETFLIX:




**Role of a Data Scientist at Netflix**

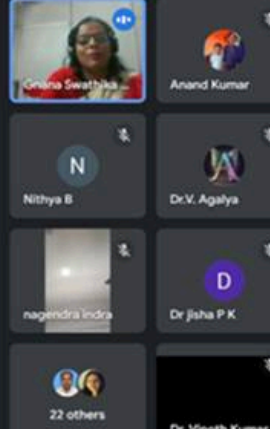


10:21 AM | jsv-lhcr-xtz

Gnana Swathika O V (Presenting)

## Cloud service models





10:12 AM | jsv-lhcr-xtz

## **“Research in Industrial Applications”**

Department of Research and Development organized the Expert Talk on Research in Industrial Applications held on 28th September 2024, Saturday, between 10:00 AM to 12:30 PM in association with IEEE Industrial Electronics Society Bangalore Chapter and IEEE IES NHCE SBC through online mode (Google Meet). Dr. Vishal Anand A G, Chair - IEEE IES Bangalore Section Chapter and Director of Engineering, Bloom Energy (I) Pvt Ltd, Bengaluru served as Resource Person for this programme. The resource person mentioned about the research in industrial applications is key to addressing current challenges and creating the next wave of innovations. By investing in interdisciplinary research that merges technologies like AI, robotics, material science, and sustainability, industries can stay competitive, increase efficiency, and reduce environmental impact. Attendees were invited to provide feedback through surveys. The feedback is very positive and encouraging. The eminent expert from the industry delivered the lecture and her talk has been very well received by the 39 participants. 39 faculty members are benefitted.

Vishal Anand A G (Presenting)



**Energy is a C-Suite Topic for all Industries**




10:09 AM | xke-bbos-1sv




Vishal Anand A G (Presenting)

### Significant Grid Investment is Needed to Achieve Decarbonization Goals




**National Renewable Energy Laboratory**  
 "31,000 miles of new high voltage interregional transmission lines by 2035 would be required"

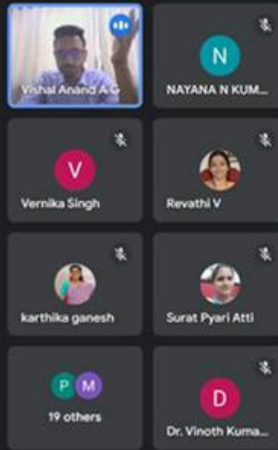


**Department of Energy**  
 "47,300 miles of new transmission lines will be required by 2035"

**Transmission line projects take 7 years to be federally permitted**  
**In 2022, only 670 miles of transmission lines were built**



10:19 AM | xke-bbos-1sv



Vishal Anand A G (Presenting)

### Hydrogen – Supply and Demand

**Multiple paths to supply hydrogen**

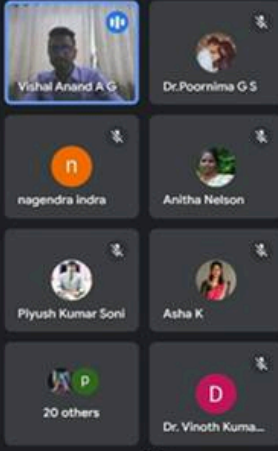
- Green H2** from renewable electricity (& solar thermal)
- Electrolysis**
  - Pink H2** Nuclear (with heat integration)
- Blue H2** Natural gas with carbon capture
- Carbon capture and storage**
  - Gold H2** Bio gas with carbon capture

**Multiple sources of hydrogen demand**

- Hydrogen to Power
- Shipping
- DG hydrogen microgrids
- Long haul transport
- Blending into natural gas grid
- Steel
- Industrial feedstock



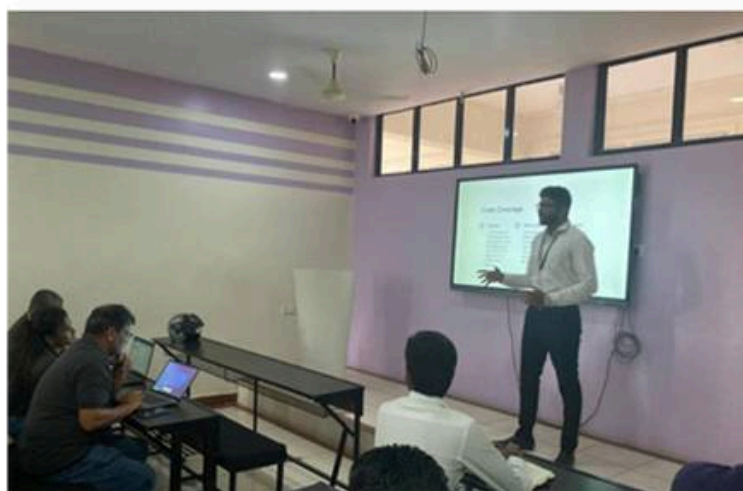
11:04 AM | xke-bbos-1sv



## **“CIRCUIT PREMIER LEAGUE”**

The collaboration between Cientra, a leading semiconductor company, and our event team marked the commencement of a thrilling journey at the CPL Event. With the promise of internship opportunities and advanced training, participants eagerly engaged in two rounds designed to test their technical acumen and collaborative skills. The journey kicked off with Round 1, where participants faced an intense hour-long pen and paper test crafted meticulously by Cientra. With questions tailored to challenge their understanding of semiconductor technology and related concepts, participants navigated through a spectrum of challenges. Each response was a window into their analytical prowess and problem solving abilities, setting the stage for the fierce competition ahead. The pen and paper format added an element of traditional rigor to the test, requiring participants to translate their knowledge and insights onto paper within the constraints of time. Despite the time pressure, participants rose to the occasion, demonstrating resilience and adaptability in the face of challenges. As the dust settled from Round 1, participants geared up for Round 2 – the presentation challenge. Assigned technical topics by Cientra, teams of four embarked on a collaborative journey to dissect and present their insights to a panel of esteemed judges. Each team was given three hours to prepare their presentation, ensuring meticulous research and strategic planning. The countdown began as teams delved into the intricacies of their assigned topics, harnessing collective expertise and creativity to craft compelling narratives. With the clock ticking, teams took to the stage, each allotted a maximum of 15 minutes to showcase their findings and recommendations. The presentations were a testament to the teams' dedication and ingenuity, offering deep insights into the nuances of semiconductor technology and its implications for the future. Amidst anticipation and applause, the top three teams emerged victorious, the top 22 performers from the evaluation on the average of both rounds stood as beacons of excellence, would be provided an intense training in field of VLSI by Cientra .





## Blitz Bash

On October 4, 2024, the IEEE New Horizon College of Engineering Student Branch, under the IEEE Bangalore Section, organized Blitz Bash as part of IEEE Day celebrations, attracting 90 participants. The event featured three engaging activities—Video with a Stranger, Musical Chairs, and Treasure Hunt—designed to foster team-building, creativity, and social interaction.

The activities encouraged participants to step out of their comfort zones, develop social connections, and enhance teamwork and problem-solving skills. The Video with a Stranger activity promoted networking, Musical Chairs added a fun competitive edge, and the Treasure Hunt tested collaboration and critical thinking.

With 95% active participation and overwhelmingly positive feedback, the event was a resounding success. The dedication of organizers and volunteers ensured seamless execution, making the day memorable and impactful. Blitz Bash highlighted the importance of community-building events in fostering collaboration, creativity, and camaraderie among students.

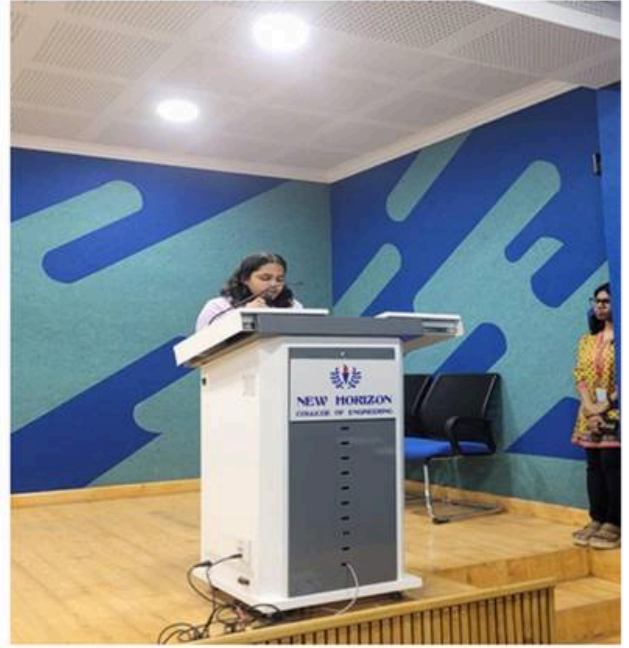


## Seminar on Innovative Projects for IPR and Publications

IEEE New Horizon College of Engineering Student Branch has conducted Seminar on innovative projects for IPR and publications on 4th October 2024 at Tejas seminar hall. It was a very informative session. Sir explained the details about how to publish papers. Common mistakes which should be avoided by students. Example research papers were shown.

Some of the key points were:

- How we need to prepare our research papers with perfect font line size and also how to post in on the website.
- And also we should take off or ur plagiarism like it should be below 15percent and also source plagiarism should be below 2percent.
- Your total research paper should be minimum 6 max 8 pages and font sizes should be 9 and head fonts should be 24.
- Times new roman font should maintained.
- IMRDC structure of research paper was explained.
- With what mistakes research papers will be rejected was briefed.
- Kewords in the papers should be minimum 3 maximum 5.
- If you post your researcher paper twice in a conference you will be banned for 2years.
- The way students should respond to comments.
- The count of references that should be added. Overall, the session offered practical advice for making our research papers not only compliant with publishing standards but also engaging and polished.



## "Why IEEE?"

The IEEE NHCE Student Branch and MTT-S hosted a panel discussion to highlight the benefits of IEEE membership. The session, moderated by Anish B, featured alumni speakers Sambhav and Rashi, who shared how IEEE shaped their academic and professional journeys through networking, innovation, and access to global industry trends.

An interactive session addressed student concerns, including membership costs, with the panelists emphasizing the value of resources, professional development, and project opportunities. Madhumitha, Vice-Chair of the Membership Development Committee, provided insights on joining IEEE NHCE, reinforcing the community spirit and opportunities for growth.

The event received positive feedback for its engaging discussions and relatable insights, inspiring attendees to explore IEEE membership. Concluding the IEEE Day celebrations at NHCE, the event successfully showcased the transformative potential of being part of the IEEE community.





## **GEN AI and PROMPT ENGINEERING**

On October 9, 2024, the IEEE NHCE Student Branch and Sensors Council, under the IEEE Bangalore Section, hosted a hands-on workshop on Generative AI and Prompt Engineering as part of IEEE Day celebrations. The session explored the transformative potential of Generative AI across industries, focusing on its applications in content creation, design, and problem-solving.

Participants gained practical insights into prompt engineering, learning how precise and well-crafted prompts significantly enhance AI-driven outputs. The event featured interactive demonstrations, discussions, and real-world case studies, enabling attendees to apply their knowledge in real-time and refine their skills.

The workshop also highlighted the role of IEEE in fostering innovation, with a brief campaign emphasizing the benefits of IEEE membership. Feedback from participants was overwhelmingly positive, with attendees praising the session's practical approach and knowledge-sharing.

In summary, the event successfully introduced participants to Generative AI's real-world applications and equipped them with essential skills in AI interaction, making it a valuable learning experience.







## Technical Symposium on “Coding Contest #1”

The Department of Electrical and Electronics Engineering, New Horizon College of Engineering in association with IEEE PES NHCE SBC (Geo Code: SBC66131D) organized a Coding contest on 09-11-2024, conducted in two sessions (9:30 AM to 12:30 PM and 1:00 PM to 4:00 PM) for 5th-semester EEE students. Participants were tasked with solving three challenging coding questions with seven test cases to validate. Students were allowed to choose any programming language to address the problem statements. Invigilators monitored the participants to ensure the accuracy of test case validation, assess code efficiency, and record completion times. The selection criteria for winners included accuracy, speed, and time complexity.

The detailed analysis is summarized as below:

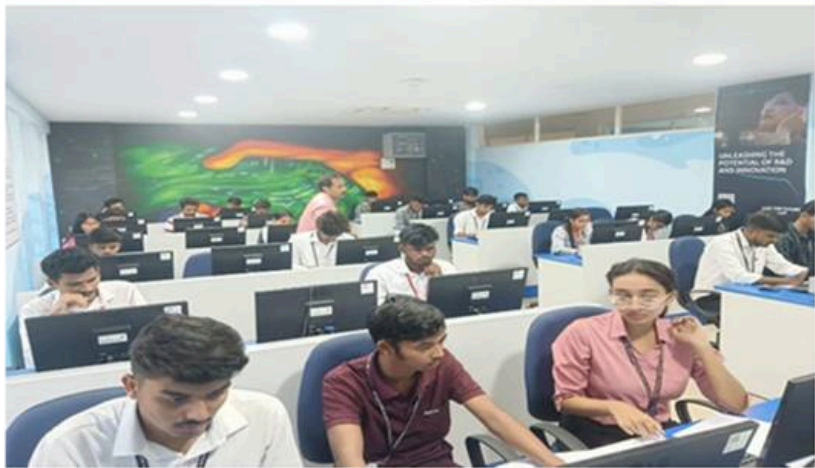
Total EEE Students: 112

Total Participants: 44 – (Session 1: 27 students & Session 2: 17 students)

No. of students cleared all the 7 test cases : 5

Winners- Gowri Manojkumar, Iqra Bashir, Raj Singh





## **Short Term Training Program (STTP) on “Research Challenges in Advanced Power Converters for Industrial Electronics Applications”**

Department of Research and Development and IEEE IES NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is jointly organized the Short Term Training Program (STTP) on “Research Challenges in Advanced Power Converters for Industrial Electronics Applications” on 11th – 15th November 2024, between 10:00 AM to 04:00 PM in association with IEEE Industrial Electronics Society Bangalore Chapter through offline mode. This FDP is designed to address research advancements in Power conversion topologies and applications in the industry and to encourage various zonal professionals'/students/academicians towards research and for their Academic Quality Improvement too. This course will offer a unique opportunity to all the participants in the relevant topics in Real Time Power Electronic systems and its applications through theoretical sessions and simulation plus laboratory-based experiments and demonstrations. It is due to development of switching devices, magnetic components, control techniques, computational methods, DSP/FPGA controllers, etc. Applications of power electronics can be found in several areas like Renewable Energy, industry, transportation, medical, telecommunication, residential energy systems, electric vehicles etc. Certain low and high power switching converters are developed in these areas. Also, this FDP aims at giving scope for future research. The entire session is very informative and enthusiastic manner in the area of power electronics industry. The eminent experts from the eminent professional and Industry delivered the lecture and his talk has been very well received by the 50 participants of IEEE Members



## **Guest Lecture on “Advanced Technologies in Electrical engineering”**

The Department of Electrical and Electronics Engineering of IEEE PES NHCE SBC, New Horizon College of Engineering Organized Guest Lecture on “Advanced Technologies in Electrical engineering” in association with IEEE PES Bangalore Chapter on 12.11.2024 Tuesday from IST 11:00 AM to 01:00 PM. The session was handled by Dr.Z.H.Sholapurwala ,Managing Director, ZeonicsSystech, Defence and Aerospace Engineers Pvt. Ltd, Bengaluru . The outcome of the program was to have a good idea about the advancement in technologies in the Electrical engineering as well as some future developments and possibilities. The speaker gave a glimpse of some of the electrical components in his lab and spoke about its usefulness. He also showed the working of few electrical equipment’s and showed the working model to all the students present. Overall it was a great guest lecture helping students to know more about the current and upcoming advancements in electrical engineering.



## **Guest Lecture on “Campus to Corporate Connect: Technical Skills”**

The Department of Electrical and Electronics Engineering of IEEE PELS NHCE SBC, New Horizon College of Engineering organized Guest Lecture on” Campus to corporate connect: Technical skills” in association with IEEE PELS Bangalore Chapter on 14.11.2024 Friday from IST 11:00 AM to 1:00 PM. The session was handled by Mr. JyothinathVanne , Senior Managing director Synergetic Software Engineering and Consultancy Services Pvt Ltd local headquarter Bangalore. The outcome of the program was Students were able to gain a deeper understanding of the campus to corporate skills and also identify their personal and academic goals for a study programing language skill. They were able to develop a Technical training of corporate skills. They also learned about the resources and support available to them throughout the study of industry ready engineers, Students were able to articulate their reasons for placement opportunities and upgrading the technical skills for industry ready that align with their academic and skills upgrading. They were able to research and compare different study programing languages and develop a skill gap between academic and industry. The talk also gave insights Specific training to connect corporate with technical skills coding languages. Overall it was a great Guest Lecture helping students to know about technical skills for industry ready.The feedback is very positive and encouraging. The eminent expert from the industry delivered the lecture and his talk has been very well received by the 250 participants.





## **Workshop on “Industrial Power Quality Audit and Its Benefits”**

Department of Electrical and Electronics Engineering organized the workshop on Industrial Power Quality Audit and Its Benefits on 15th November 2024, Friday, between 10:00 AM to 04:00 PM in association with IEEE Power and Energy Society Bangalore Chapter and IEEE PES NHCE SBC through offline mode in Falconry Seminar Hall. Dr Sakthivel Aruchamy, HoD EEE, delivered the welcome address and mentioned the importance of power quality management in energy sector. Dr. N Prasanna, Proprietor, BEEE certified Energy Manager, Pranav Clean Energy Engineers, Chennai, served as resource person for this programme. He explained the basics of power quality, importance of power quality management and its issues and the challenges in power quality sectors. He also mentioned the courses to be completed to become a certified energy manager and the job opportunities for power engineers. The workshop also included a live demonstration of power quality auditing instruments by the resource persons from Fluke Electronics, Bangalore. The demo took place in NHCE power house and group of students were allowed to observe the working of FLUKE power quality analyzers. Attendees were invited to provide feedback through surveys. Many expressed a strong interest in more frequent workshops on similar core domain electrical topics. The feedback is overwhelming positive and encouraging.



## LIST OF FACULTY MEMBERS

SL. NO.	NAME
1.	Dr. Sanjeev Sharma
2.	Dr. Anandhi
3.	Dr Agahlya
4.	Dr. Swathi
5.	Dr Rajalakshmi B
6.	Dr Manikandan S P
7.	Dr. Uma Reddy N V
8.	Dr Aravinda
9.	Dr. Sakthivel A
10.	Dr Vinoth Kumar
11.	Dr. Sujitha
12.	Dr Meenakshi Sundaram
13.	Dr Rajesh G
14.	Dr Srinath K

# LIST OF STUDENTS MEMBERS

S.No	Region	Section	School Name	Member/Custom er Number	Last Name	First Name	Middle Name	Name Prefix	Preferred Name	Grade	Gender	EEE Status	Company/Attention	Country	Active Society List	Technical Council List	Special Interest Group List
1	R10	Bangalore Section	New Horizon College Of Engineering	98603278	A	Anitha				Graduate Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEME013, MEMPE031	CNCB0046, CNCSC041, CNCNAN0042, CNCSE039, CNCEDA044, CNCSC041, CNCNAN0042, CNCSE039,	MEMSIGHT, MEMWIE0 50
2	R10	Bangalore Section	New Horizon College Of Engineering	98174107	Shantagiri	Vaishnavi	Prahadrao			Student Member	Female	Active	New Horizon College of Engineering	India	MEMC016	CNCNAN0042, CNCSE039,	MEMWIE050
3	R10	Bangalore Section	New Horizon College Of Engineering	98256946	Alam	Kazi Afroz		Mr.	Kazi Afroz Alam	Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSE039	MEMWIE050
4	R10	Bangalore Section	New Horizon College Of Engineering	98790882	Kuppasad	Shreyas	P	Mr.		Student Member	Male	Active	New Horizon College of Engineering / CSE	India	MEMCAS004, MEMMTT017	CNCEDA044, CNCSE039	MEMWIE050
5	R10	Bangalore Section	New Horizon College Of Engineering	98881396	Linga Reddy	Yashasvi				Student Member	Female	Active	New Horizon College of Engineering	India	MEMC016	CNCEDA044, CNCSE039	MEMWIE050
6	R10	Bangalore Section	New Horizon College Of Engineering	98915966	Maddala	Ahmith				Student Member	Male	Active	New Horizon College of Engineering	India	MEMC016	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMSIGHT, MEMWIE0 50
7	R10	Bangalore Section	New Horizon College Of Engineering	98934682	V	BRUNDA				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMCAS004	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMSIGHT, MEMWIE0 50
8	R10	Bangalore Section	New Horizon College Of Engineering	98937074	SYED	HANNAN				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMWIE050, MEMWYP 060
9	R10	Bangalore Section	New Horizon College Of Engineering	99042351	ATTI	SURAT	PYARI	Mrs.	SURAT PYARI ATTI	Graduate Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEME013,	CNCNAN0042, CNCSE039, CNCEDA044, CNCSC041, CNCNAN0042, CNCSE039, CNCEDA044	MEMWIE050, MEMWYP 060
10	R10	Bangalore Section	New Horizon College Of Engineering	99082346	C.N	SANGEETHA				Graduate Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEME0132, MEME013,	CNCSC041, CNCNAN0042, CNCSE039, CNCTEC802	MEMWIE050, MEMWYP 060
11	R10	Bangalore Section	New Horizon College Of Engineering	99158001	Rajesh	Siddharth				Student Member	Male	Active	Electronics and Communications	India	MEMMTT017	CNCEDA044	MEMWIE050
12	R10	Bangalore Section	New Horizon College Of Engineering	99160095	Devatha	Kriti	S			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEME0132, MEME013,	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMSIGHT, MEMWYP06 0
13	R10	Bangalore Section	New Horizon College Of Engineering	99190344	JOSE	POOJA				Graduate Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEME0132, MEME013,	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMSIGHT, MEMWYP06 0
14	R10	Bangalore Section	New Horizon College Of Engineering	99192219	Shukla	Shrutti				Student Member	Female	Active	New Horizon College of Engineering	India	MEMC016	CNCEDA044, CNCSE039	MEMWIE050
15	R10	Bangalore Section	New Horizon College Of Engineering	99245431	Pagolu	Mahi	Prajwal			Student Member	Male	Active	New Horizon College of Engineering	India	MEMMTT017	CNCEDA044, CNCSE039	MEMSIGHT, MEMWIE0 50, UH3001
16	R10	Bangalore Section	New Horizon College Of Engineering	99800799	P	Prakruthi				Student Member	Female	Active	New Horizon College of Engineering	India	MEMCAS004, MEMMTT017	CNCEDA044, CNCSE039	MEMSIGHT, MEMWIE0 50
17	R10	Bangalore Section	New Horizon College Of Engineering	99806587	B	Anish				Student Member	Male	Active	New Horizon College of Engineering	India	MEMCAS004	CNCEDA044	MEMSIGHT, MEMWIE0 50
18	R10	Bangalore Section	New Horizon College Of Engineering	99812148	B.S	YASHASWINI				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEME013,	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMSIGHT, MEMWIE0 50
19	R10	Bangalore Section	New Horizon College Of Engineering	99850806	NATTUVA	MONISHA				Student Member	Female	Active	New Horizon College of Engineering	India	MEMC016	CNCEDA044, CNCSE039	MEMWIE050
20	R10	Bangalore Section	New Horizon College Of Engineering	99868923	KK	Madhumitha				Student Member	Female	Active	New Horizon College of Engineering	India	MEMCAS004, MEMMTT017	CNCEDA044, CNCSE039	MEMSIGHT, MEMWIE0 50, UH3001
21	R10	Bangalore Section	New Horizon College Of Engineering	99899726	Manojkumar	Gowri				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEME0132, MEME013,	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMSIGHT, MEMWIE0 50
22	R10	Bangalore Section	New Horizon College Of Engineering	99899765	PATTANAİK	SHATAKSHI				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEME013,	CNCEDA044, CNCSC041, CNCNAN0042, CNCSE039,	MEMSIGHT, MEMWIE0 50
23	R10	Bangalore Section	New Horizon College Of Engineering	99805669	NARAYAN	LALITH				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEME013,	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMSIGHT, MEMWIE0 50
24	R10	Bangalore Section	New Horizon College Of Engineering	99905709	KUMAR S	MAHENDRA				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEME0132, MEME013,	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMSIGHT, MEMWIE0 50
25	R10	Bangalore Section	New Horizon College Of Engineering	99976000	Thomas Domin	Aashish				Student Member	Male	Active	New horizon college of engineering	India	MEME0132, MEME013,	CNCB0046, CNCEDA044, CNCSC041, CNCSE039,	MEMSIGHT, MEMWIE0 50, MEMWYP060
26	R10	Bangalore Section	New Horizon College Of Engineering	99976148	K V	SOUMYA				Graduate Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEME0132, MEME013,	CNCSC041, CNCNAN0042, CNCSE039, CNCTEC802	MEMSIGHT, MEMWIE0 50, MEMWYP060
27	R10	Bangalore Section	New Horizon College Of Engineering	100045080	PR	Harshavardhan				Student Member	Male	Active	Electronics and Communications	India	MEMCAS004	CNCEDA044, CNCNAN0042, CNCSE039,	MEMWIE050
28	R10	Bangalore Section	New Horizon College Of Engineering	100144084	V	Saty Charan				Student Member	Male	Active	New Horizon College of Engineering	India	MEMC016	CNCEDA044, CNCSE039	MEMWIE050
29	R10	Bangalore Section	New Horizon College Of Engineering	100176051	Jesudas	Jerish				Student Member	Male	Active	New Horizon College of Engineering	India	MEMC016	CNCEDA044, CNCSE039	MEMWIE050
30	R10	Bangalore Section	New Horizon College Of Engineering	100371980	M	Chandresh				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016, MEME013,	CNCB0046, CNCEDA044, CNCSC041, CNCNAN0042,	MEMWIE050
31	R10	Bangalore Section	New Horizon College Of Engineering	100385746	Reddy	Ishanvi				Student Member	Female	Active	New Horizon College of Engineering	India	MEMC016	CNCEDA044, CNCSE039	MEMWIE050

# LIST OF STUDENTS MEMBERS

32	R10	Bangalore Section	New Horizon College Of Engineering	100483831	D	SELVAMOURIYAN			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCEDA044, CNCNAN0042, CNCSEN039	MEMWIED50
33	R10	Bangalore Section	New Horizon College Of Engineering	10059756	Naveen	Eesha			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCBIO046, CNCCEA044, CNCSCO041, CNCNAN0042	MEMWIED50
34	R10	Bangalore Section	New Horizon College Of Engineering	100540066	Menon	Ishmita			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCBIO046, CNCCEA044, CNCSCO041, CNCNAN0042	MEMWIED50
35	R10	Bangalore Section	New Horizon College Of Engineering	100585162	Mahendrakar	Devain	S		Student Member	Male	Active	New Horizon College of Engineering	India	MEMCAS004	MEMWIED50
36	R10	Bangalore Section	New Horizon College Of Engineering	100611610	vas	Vibha shree			Student Member	Female	Active	New Horizon college of Engineering	India	MEMMTT017	MEMWIED50
37	R10	Bangalore Section	New Horizon College Of Engineering	100625040	Mayya	Seetharam			Student Member	Male	Active	New Horizon College of Engineering	India	MEMCO16	MEMWIED50
38	R10	Bangalore Section	New Horizon College Of Engineering	100655250	Mantripragada	Ramaa	Gayatri		Student Member	Female	Active	New Horizon College of Engineering	India	MEMCAS004, MEMEMB018,	MEMWIED50
39	R10	Bangalore Section	New Horizon College Of Engineering	100663627	SRIJA	C			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCCEA044	MEMWIED50
40	R10	Bangalore Section	New Horizon College Of Engineering	100663906	D	Gagan Chowdsry			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCCEA044, CNCSEN039	MEMWIED50
41	R10	Bangalore Section	New Horizon College Of Engineering	100664520	Aartha	U Bhumika			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCSEN039	MEMWIED50
42	R10	Bangalore Section	New Horizon College Of Engineering	100664550	T S	Nandan	Mr.	Nandan T S	Student Member	Male	Active	New Horizon College Of engineering	India	CNCBIO046, CNCCEA044, CNCSCO041, CNCNAN0042	MEMWIED50
43	R10	Bangalore Section	New Horizon College Of Engineering	100664562	SLEKHA	G			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMCAS004, MEMIED13	MEMWIED50
44	R10	Bangalore Section	New Horizon College Of Engineering	100667112	Yadv	Upasna			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMCO16, MEMCAS004	MEMWIED50
45	R10	Bangalore Section	New Horizon College Of Engineering	100667146	Parimth	M D			Student Member	Male	Active	New Horizon college of Engineering	India	MEMMTT017	MEMWIED50
46	R10	Bangalore Section	New Horizon College Of Engineering	100667165	Reddy	Lingam Dhanush Kumar			Student Member	Male	Active	New Horizon college of engineering	India	CNCSEN039	MEMWIED50
47	R10	Bangalore Section	New Horizon College Of Engineering	100667248	L	Prajwal			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India		MEMWIED50
48	R10	Bangalore Section	New Horizon College Of Engineering	100668744	Tamrakar	Noble			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCRFD741, CNCSEN039	MEMWIED50
49	R10	Bangalore Section	New Horizon College Of Engineering	100669204	Shiva	Ananya	Shiva		Student Member	Female	Active	Electronics and communication Engineering	India	CNCCEA044, CNCSCO041, CNCNAN0042, CNCRFD741	MEMWIED50
50	R10	Bangalore Section	New Horizon College Of Engineering	100671182	Gowda SG	Darshan			Student Member	Male	Active	New Horizon college of Engineering	India	CNCSEN039	MEMWIED50
51	R10	Bangalore Section	New Horizon College Of Engineering	100671463	Sweety	S			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCCEA044, CNCSCO041, CNCNAN0042, CNCRFD741	MEMWIED50
52	R10	Bangalore Section	New Horizon College Of Engineering	100671630	B.	farooq	mohammed		Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCSEN039	MEMWIED50
53	R10	Bangalore Section	New Horizon College Of Engineering	100672416	RITTI	ADITHA			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCBIO046, CNCCEA044, CNCSCO041, CNCNAN0042	MEMWIED50
54	R10	Bangalore Section	New Horizon College Of Engineering	100672736	S	Madhumitha			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCSEN039	MEMWIED50
55	R10	Bangalore Section	New Horizon College Of Engineering	100673277	KM	Dhanya			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCBIO046, CNCCEA044, CNCSCO041, CNCNAN0042	MEMWIED50
56	R10	Bangalore Section	New Horizon College Of Engineering	100673649	Kondaguri	Arpita			Student Member	Female	Active	New horizon college of engineering Bengal	India	CNCBIO046, CNCSEN039	MEMWIED50
57	R10	Bangalore Section	New Horizon College Of Engineering	100673674	Limbannaar	Basavaraj	Annappa	Basavaraj	Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCCEA044, CNCSCO041, CNCNAN0042, CNCRFD741	MEMWIED50
58	R10	Bangalore Section	New Horizon College Of Engineering	100673810	M	Manya			Student Member	Female	Active	New horizon college of engineering	India	CNCBIO046, CNCSEN039	MEMWIED50
59	R10	Bangalore Section	New Horizon College Of Engineering	100673853	H.P.	Bhoomika			Student Member	Female	Active	New horizon college of engineering	India	CNCSEN039	MEMWIED50
60	R10	Bangalore Section	New Horizon College Of Engineering	100674161	P	Ashwini P			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCSEN039	MEMWIED50
61	R10	Bangalore Section	New Horizon College Of Engineering	100674264	Nyamaoud	Chandrika			Student Member	Female	Active	New horizon college of engineering	India	CNCSEN039	MEMWIED50
62	R10	Bangalore Section	New Horizon College Of Engineering	100674370	BRADI	YAVARAJ	RAVINDRA		Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	CNCSEN039	MEMWIED50
63	R10	Bangalore Section	New Horizon College Of Engineering	100674407	NAIR	HARI	SANJAY		Student Member	Male	Active	New Horizon College Of Engineering	India	CNCCEA044, CNCSCO041, CNCNAN0042, CNCRFD741	MEMWIED50

# LIST OF STUDENTS MEMBERS

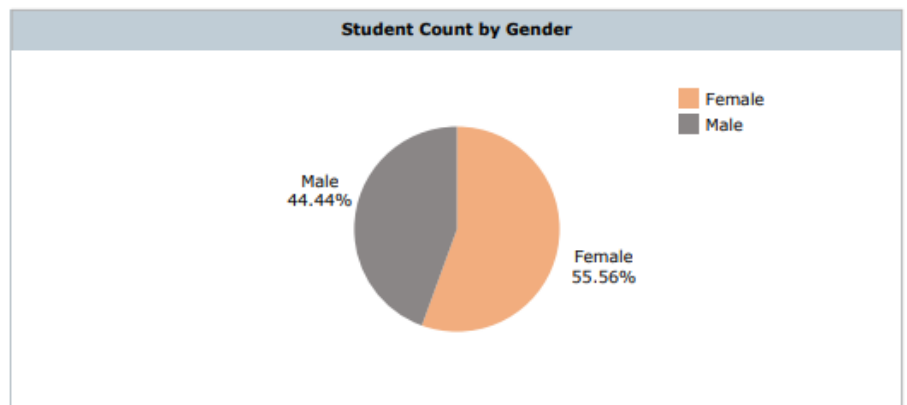
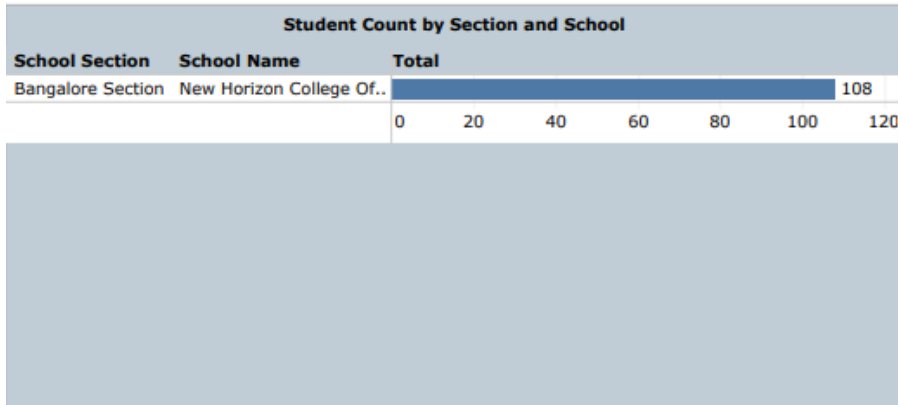
64	R10	Bangalore Section	New Horizon College Of Engineering	100674441	H P	Varsha				Student Member	Female	Active	New Horizon College of Engineering	India	MEMC016		MEMWIE050
65	R10	Bangalore Section	New Horizon College Of Engineering	100675947	harshitha	shree				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016, MEMCOM019	CNCSEN039	
66	R10	Bangalore Section	New Horizon College Of Engineering	100676391	Yadwad	Sushmitha	Laxman			Student Member	Female	Active	New horizon college of engineering	India	MEMC016		MEMWIE050
67	R10	Bangalore Section	New Horizon College Of Engineering	100677135	Tailuri	Vatsalya				Student Member	Female	Active	New Horizon College Of Engineering	India	MEMC016	CNCSEN039	MEMWIE050
68	R10	Bangalore Section	New Horizon College Of Engineering	100677596	Vinod	Arpitha				Student Member	Female	Active	New Horizon College Of Engineering	India	MEMC016		MEMWIE050
69	R10	Bangalore Section	New Horizon College Of Engineering	100677723	KULKARNI	BHOOMIKA	S			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
70	R10	Bangalore Section	New Horizon College Of Engineering	100677948	b	chethana				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
71	R10	Bangalore Section	New Horizon College Of Engineering	100677884	Yadhuathna	Nithya				Student Member	Female	Active	New Horizon College of Engineering	India	MEMC016, MEMCAS004	CNCCEA044, CNCSEN039	MEMWIE050
72	R10	Bangalore Section	New Horizon College Of Engineering	100677890	J	Narendra				Student Member	Male	Active	New horizon college of engineering	India	MEMC016, MEMMTT017	CNCSEN039	
73	R10	Bangalore Section	New Horizon College Of Engineering	100677894	CHANDAN	YOGAMANDA				Student Member	Male	Active	New Horizon College of Engineering	India	MEMC016	CNCCEA044, CNCSEN039, CNCYS045, CNCTEC802	
74	R10	Bangalore Section	New Horizon College Of Engineering	100677905	Petli	Sahana				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016, MEMCAS004	CNCSEN039	MEMWIE050
75	R10	Bangalore Section	New Horizon College Of Engineering	100677962	Raikar	Pratham	S			Student Member	Male	Active	New Horizon College of Engineering	India	MEMC016	CNCSEN039	MEMWIE050
76	R10	Bangalore Section	New Horizon College Of Engineering	100678110	C	HITHA	AMBUTHA			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
77	R10	Bangalore Section	New Horizon College Of Engineering	100678200	Reddy	Y V	Kalyan			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
78	R10	Bangalore Section	New Horizon College Of Engineering	100678376	Narayana	Yerra	SudEEP			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
79	R10	Bangalore Section	New Horizon College Of Engineering	100678412	Matcha	Ganesh	Babu			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
80	R10	Bangalore Section	New Horizon College Of Engineering	100678440	Aramoti	Swarna	Prakash			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCBI0046, CNCCEA044, CNCCS041, CNCIN0042	MEMWIE050
81	R10	Bangalore Section	New Horizon College Of Engineering	100678456	Vaiteti	Sarayu				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
82	R10	Bangalore Section	New Horizon College Of Engineering	100687811	G	Vishwa				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India		CNCSEN039	MEMWIE050
83	R10	Bangalore Section	New Horizon College Of Engineering	100696042	N V	Anusha N V	Anusha			Student Member	Female	Active	New horizon college of engineering	India		CNCSEN039	MEMWIE050
84	R10	Bangalore Section	New Horizon College Of Engineering	100696191	Karmath	M Suhas P				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMMTT017	CNCSEN039	
85	R10	Bangalore Section	New Horizon College Of Engineering	100697945	Hegde	Jatin	P			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016		
86	R10	Bangalore Section	New Horizon College Of Engineering	100698884	SHREYA	K				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016		
87	R10	Bangalore Section	New Horizon College Of Engineering	100700375	Shetty	Aajna	Rajesh			Student Member	Female	Active	New Horizon College Of Engineering	India	MEMC016		
88	R10	Bangalore Section	New Horizon College Of Engineering	100700940	Vetri	GS				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016		
89	R10	Bangalore Section	New Horizon College Of Engineering	100701183	S	ANUSHREE				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
90	R10	Bangalore Section	New Horizon College Of Engineering	100733830	B	Vimal	Kumar			Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016	CNCSEN039	MEMWIE050
91	R10	Bangalore Section	New Horizon College Of Engineering	100736453	Gupta	Akash	Kumar	Mr.	Akash	Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMC016		
92	R10	Bangalore Section	New Horizon College Of Engineering	100768387	BAJAJ	PAVITHRA	RAPILANE			Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India			
93	R10	Bangalore Section	New Horizon College Of Engineering	100787562	M	Akchaya				Student Member	Female	Active	New Horizon College Of Engineering	India	MEMC016		
94	R10	Bangalore Section	New Horizon College Of Engineering	100798165	Kumar	Aditya				Student Member	Male	Active	New Horizon College of Engineering	India	MEMC016		
95	R10	Bangalore Section	New Horizon College Of Engineering	100804821	S	KEERTHI				Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMCAS004, MEMIED13	CNCSC041, CNCIN0042, CNCSEN039, CNCYS045	MEMWIE050

# LIST OF STUDENTS MEMBERS

96	R10	Bangalore Section	New Horizon College Of Engineering	100808017	H S	VINAYAKA				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMCAS004, MEMDEI032, MEMEIO13,	CNCBI0046, CNCSC001, CNCNANO042, CNCSEN039	MEMSIGHT, MEMWIE050
97	R10	Bangalore Section	New Horizon College Of Engineering	100808126	PANIGRAHI	JAGAN				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEMEIO13,	CNCBI0046, CNCSC001, CNCNANO042, CNCSEN039	MEMSIGHT, MEMWIE050
98	R10	Bangalore Section	New Horizon College Of Engineering	100830323	KUMAR M	MOHAN				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEMEIO13,	CNCBI0046, CNCCEA044, CNCSC001, CNCNANO042	MEMSIGHT, MEMWIE050
99	R10	Bangalore Section	New Horizon College Of Engineering	100830718	Kumar M	Hemanth				Student Member	Male	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEMEIO13,	CNCBI0046, CNCNANO042, CNCSEN039, CNCYS045	MEMSIGHT, MEMWIE050
100	R10	Bangalore Section	New Horizon College Of Engineering	100831315	S	Dreekshitha				Student Member	Female	Active	New Horizon College of engineering	India	MEMEIO13, MEMPE031,	CNCBI0046, CNCSC001, CNCNANO042, CNCSEN039	MEMSIGHT, MEMWIE050
101	R10	Bangalore Section	New Horizon College Of Engineering	100896578	DEERAJ	C				Student Member	Male	Active	New Horizon College of engineering	India	MEMCAS004, MEMEIO13,	CNCBI0046, CNCCEA044, CNCNANO042, CNCSEI0741	MEMSIGHT, MEMWIE050
102	R10	Bangalore Section	New Horizon College Of Engineering	100905533	LIKITHA	A M				Student Member	Female	Active	New Horizon College of engineering	India	MEMCAS004, MEMEIO13,	CNCBI0046, CNCCEA044, CNCSC001, CNCNANO042	MEMSIGHT, MEMWIE050
103	R10	Bangalore Section	New Horizon College Of Engineering	100905637	Atre	Ayonija				Student Member	Female	Active	New Horizon College of Engineering	India	MEMCAS004, MEMEIO13,	CNCBI0046, CNCCEA044, CNCSC001, CNCNANO042	MEMSIGHT
104	R10	Bangalore Section	New Horizon College Of Engineering	100905660	Sai Sugeet	Gangavarapu				Student Member	Male	Active	New Horizon College of Engineering	India	MEMCAS004, MEMEIO13,	CNCBI0046, CNCCEA044, CNCSC001, CNCNANO042	MEMSIGHT, MEMWIE050
105	R10	Bangalore Section	New Horizon College Of Engineering	100905710	S	Anchal				Student Member	Female	Active	New Horizon College of Engineering	India	MEMCAS004, MEMEIO13,	CNCBI0046, CNCCEA044, CNCSC001, CNCNANO042, CNCSEN039, CNCYS045	MEMSIGHT, MEMWIE050
106	R10	Bangalore Section	New Horizon College Of Engineering	101056618	Ayyappa Subl	Anitha Nair				Graduate Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEMEIO13,	CNCBI0046, CNCCEA044, CNCSC001, CNCNANO042	MEMSIGHT, MEMWIE050, MEMTP060
107	R10	Bangalore Section	New Horizon College Of Engineering	101057776	HUMAGUND	VEENA	MAHANTESH			Graduate Student Member	Female	Active	NEW HORIZON COLLEGE OF ENGINEERING	India	MEMDEI032, MEMEIO13,	CNCBI0046, CNCCEA044, CNCSC001, CNCNANO042	MEMSIGHT, MEMWIE050
108	R10	Madras Section	New Horizon College Of Engineering	100678029	D	Navaneeth	Krishnan			Student Member	Male	Active	New Horizon College of Engineering	India	MEMMTT017	CNCSEN039	MEMWIE050

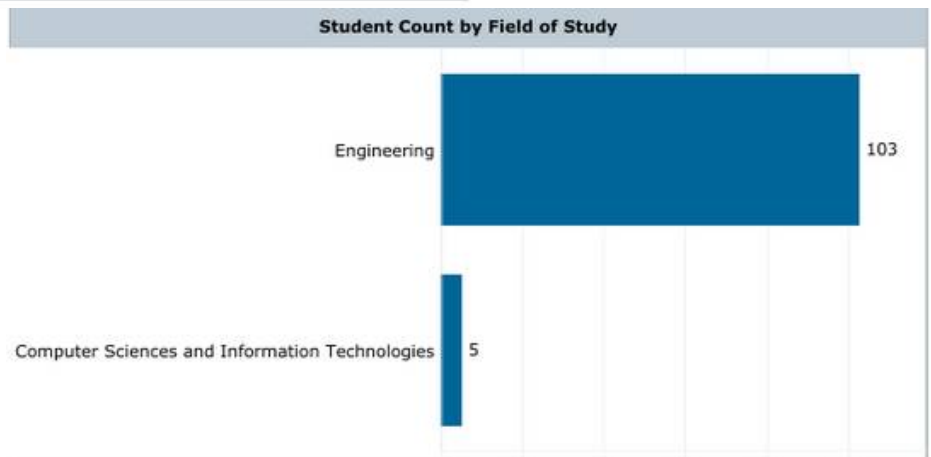


# MEMBERSHIP DETAILS



**Student Count by Grade**

Region	Council	Section	Grade	Total
R10	India Council	Bangalore Section	Graduate Student Member	7
			Student Member	100
		Madras Section	Student Member	1
			Total	108
Grand Total				108



# ACHIEVEMENTS

IEEE PELS BANGALORE CHAPTER  
OUTSTANDING VOLUNTEER AWARD



NHCE Students Awarded for their role  
towards organizing IEEE MAPCON 2022



Most Promising Student Branch - 2022



Outstanding Student Volunteer - 2022



Most Promising Student Branch- 2021



IEEE PELS Outstanding Student Branch  
Chapter- 2021



# ACHIEVEMENTS

- IEEE Bangalore Chapter Execoms - 2023 from NHCE

Name	Role
Dr Vinoth Kumar K	Secretary to IEEE Industrial Electronics Society Bangalore Chapter
Dr Vinoth Kumar K	Execom Member to IEEE Power Electronics Society Bangalore Chapter
Dr Rajesh G	Execom Member to IEEE Sensors Council Bangalore Chapter
Adhithya B N	Student Representative to IEEE Young Professionals Affinity Group, Bangalore Section
Peerzada Anzar Azmat	Student Representative to IEEE Young Professionals Affinity Group, Bangalore Section

- SAC Team, Bangalore Section Volunteers - 2022

Name	Role
Srinidhi S	Membership Development Team Lead
Peerzada Anzar Azmat	Membership Development Team Volunteer
Nishanth S Bharadwaj	Design & Video Team Volunteer
Pranit Prakash Prabhu	Design & Video Team Volunteer

- IEEE Bangalore Section Young Professionals Volunteers - 2022

Name	Role
Peerzada Anzar Azmat	Young Professionals Student Volunteer
Soumyadeep Roy	Young Professionals Student Volunteer
Shazib Javid Wani	Young Professionals Student Volunteer

## LIST OF IEEE STUDENTS

S.No	Member/customer number	Name of the student	IEEE Active society list	IEEE Technical council list	IEEE Special interest group list
1	93603278	A ANITHA	MEMIE013, MEMPE031	CNCBIO046, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT,M EMWIE050
2	98174107	SHANTAGIRI VAISHNAVI PRALHADRAO		CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	
3	98256946	ALAM KAZI AFROZ	MEMC016	CNCSEN039	MEMWIE050
4	98790882	KUPPASAD SHREYASP			
5	98881396	LINGA REDDY YASHASVI	MEMCAS004, MEMMTT017	CNCCEDA044, CNCSEN039	MEMWIE050
6	98915966	MADDALA ASHMITH	MEMC016		
7	98934682	V BRUNDA	MEMAP003, MEMCAS004	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT,M EMWIE050
8	98937074	SYED HANNAN	MEMC016	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045	
9	99042351	ATTI SURATPYARI	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMWIE050, MEMYP060
10	99082346	C.N SANGEETHA	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCCSC041, CNCNANO042, CNCSEN039, CNCTEC802	MEMWIE050, MEMYP060

11	99158001	RAJESH SIDDHARTH	MEMMTT017	CNCCEDA044	
12	99160095	DEVATHA KRITIS		CNCSEN039	MEMWIE050
13	99190344	JOSE POOJA	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT, MEMYP060
14	99192219	SHUKLA SHRUTI			
15	99245431	PAGOLU MAHIPRAJWAL	MEMMTT017		
16	99800799	P PRAKRUTHI	MEMCAS004, MEMMTT017	CNCCEDA044, CNCSEN039	MEMSIGHT, MEMWIE050, UH3001
17	99806587	B ANISH	MEMCAS004	CNCCEDA044	MEMSIGHT, MEMWIE050
18	99812148	B S YASHASWINI	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT ,MEMWIE050
19	99850806	NATTUVA MONISHA	MEMC016		MEMWIE050
20	99868923	KK MADHUMITHA	MEMCAS004, MEMMTT017	CNCCEDA044, CNCSEN039	MEMSIGHT, MEMWIE050, UH3001
21	99899726	MANOJKUMAR GOWRI	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCTEC802	MEMSIGHT, MEMWIE050
22	99899765	PATTANAIAK SHATAKSHI	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT, MEMWIE050
23	99905669	NARAYAN LALITH	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT
24	99905709	KUMAR S MAHENDRA	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCTEC802	MEMSIGHT
25	99976000	THOMAS OOMMEN AASHISH	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEDA044, CNCCSC041, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT



26	99976148	K V SOUMYA	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCCSC041, CNCNANO042, CNCSEN039, CNCTEC802	MEMSIGHT, MEMWIE050, MEMYP060
27	100045080	PR HARSHAVARDHAN	MEMCAS004	CNCCEDA044, CNCNANO042, CNCSEN039, CNCSYS045	
28	100144084	V SATYA CHARAN	MEMC016		
29	100176051	JESUDAS JERISH			
30	100371980	M CHANDRESH	MEMC016, MEMIE013, MEMPE031	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMWIE050
31	100385746	REDDY ISHANVI	MEMC016		
32	100483831	D SELVAMOURIYAN		CNCCEDA044, CNCNANO042, CNCSEN039	MEMWIE050
33	100539756	NAVEEN EESHA		CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMWIE050
34	100540066	MENON ISHMITA		CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMWIE050
35	100585162	MAHENDARKAR DEVAINS	MEMCAS004	CNCSEN039	
36	100611610	VAS VIBHA SHREE	MEMMTT017	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMWIE050
37	100625040	MAYYA SEETHARAM	MEMC016		
38	100655250	MANTRIPRAGADA RAMAAGAYATRI	MEMCAS004, MEMEMB018, MEMIE013	CNCCEDA044	MEMWIE050
39	100663627	SRIJA C	MEMC016	CNCSEN039	MEMWIE050
40	100663906	D GAGAN CHOWDARY	MEMCAS004	CNCCEDA044, CNCSEN039	
41	100664520	ASRITHA U BHUMIKA	MEMCAS004	CNCSEN039	MEMWIE050
42	100664550	T S NANDAN	MEMC016	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039,	MEMWIE050



				CNCSYS045, CNCTEC802	
43	100664562	SLEKHA G	MEMCAS004, MEMIE013	CNCSEN039, CNCSYS045	MEMWIE050
44	100667112	YADAV UPASANA	MEMC016, MEMCAS004	CNCSEN039	MEMWIE050
45	100667146	PARINITH M D	MEMMTT017		
46	100667165	REDDY LINGAM DHANUSH KUMAR	MEMC016	CNCSEN039	
47	100667248	L PRAJWAL			
48	100668744	TAMRAKAR NOBLE	MEMC016	CNCRFID741, CNCSEN039	MEMWIE050
49	100669204	SHIVA ANANYASHIVA	MEMMTT017	CNCCEDA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045, CNCTEC802	MEMWIE050
50	100671182	GOWDA SG DARSHAN	MEMCAS004	CNCSEN039	
51	100671463	SWEETY S	MEMMTT017	CNCCEDA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045	MEMWIE050
52	100671630	B. FAROOQMOHAMMED	MEMC016, MEMCOM019	CNCSEN039	
53	100672416	RITTI ADITYA	MEMC016, MEMCOM019, MEMMTT017	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045	
54	100672736	S MADHUMITHA		CNCSEN039	MEMWIE050
55	100673277	KM DHANYA	MEMC016, MEMCOM019, MEMMTT017	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMWIE050
56	100673649	KONDAGURI ARPITAIRANNA		CNCBIO046, CNCSEN039	MEMWIE050
57	100673674	LIMBENNAVAR BASAVARAJANNAPPA	MEMMTT017	CNCCEDA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045, CNCTEC802	
58	100673810	M MANYA		CNCBIO046, CNCSEN039	MEMWIE050
59	100673853	H.P. BHOOMIKA		CNCSEN039	MEMWIE050
60	100674161	P ASHWINI P		CNCSEN039	MEMWIE050
61	100674264	NYAMAGOUD CHANDRIKAPARAGOUD		CNCSEN039	MEMWIE050



62	100674370	BIRADI YAVARAJRAVINDRA		CNCSEN039	
63	100674407	NAIR HARISANJAY	MEMC016, MEMMTT017	CNCCEDA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045, CNCTEC802	
64	100674441	H P VARSHA	MEMC016		MEMWIE050
65	100675947	HARSHITHA SHREE	MEMC016, MEMCOM019	CNCSEN039	
66	100676391	YADWAD SUSHMITHA	MEMC016		MEMWIE050
67	100677135	TALLURI VATSALYA	MEMC016	CNCSEN039	MEMWIE050
68	100677586	VINOD ARPITHA	MEMC016		
69	100677723	KULKARNI BHOOMIKAS	MEMC016	CNCSEN039	MEMWIE050
70	100677848	B CHETHANA	MEMC016	CNCSEN039	MEMWIE050
71	100677884	YADHUNATHA NITHYA	MEMC016, MEMCAS004	CNCCEDA044, CNCSEN039	MEMWIE050
72	100677890	J NARENDRA	MEMC016, MEMMTT017	CNCSEN039	
73	100677894	CHANDAN YOGANANDA	MEMC016	CNCCEDA044, CNCSEN039, CNCSYS045, CNCTEC802	
74	100677905	PATIL SAHANA	MEMC016, MEMCAS004	CNCSEN039	MEMWIE050
75	100677962	RAIKAR PRATHAMS		CNCSEN039	MEMWIE050
76	100678110	C HITHAAMRUTHA	MEMC016	CNCSEN039	MEMWIE050
77	100678200	REDDY Y VKALYAN	MEMC016	CNCSEN039	MEMWIE050
78	100678376	NARAYANA YERRASUDEEP	MEMC016	CNCSEN039	MEMWIE050
79	100678412	MATCHA GANESHBABU	MEMC016		
80	100678440	ARAMOTI SWARNAPRAKASH	MEMC016	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMWIE050
81	100678456	VALTETI SARAYU	MEMC016	CNCSEN039	MEMWIE050
82	100687811	G VISHWA		CNCSEN039	MEMWIE050
83	100696042	N V ANUSHA N VANUSHA		CNCSEN039	MEMWIE050
84	100696191	KAMATH M SUHAS P	MEMMTT017	CNCSEN039	
85	100697945	HEGDE JATINP	MEMC016		
86	100698884	SHREYA K	MEMC016		
87	100700375	SHETTY AAJNARAJESH	MEMC016		
88	100700940	VETRI GS	MEMC016		
89	100701183	S ANUSHREE	MEMC016	CNCSEN039	MEMWIE050
90	100733830	B VIMALKUMAR	MEMC016	CNCSEN039	MEMWIE050
91	100736453	GUPTA AKASHKUMAR	MEMC016		
92	100768387	BALAJI PAVITHRARAPILANE			
93	100787562	M AKSHAYA	MEMC016		
94	100788165	KUMAR ADITYA	MEMC016		





95	100804821	S KEERTHI	MEMCAS004, MEMIE013, MEMPE031, MEMPEL035	CNCCSC041, CNCNANO042, CNCSEN039, CNCYS045, CNCTEC802	MEMWIE050
96	100808017	H S VINAYAKA	MEMCAS004, MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCSC041, CNCNANO042, CNCSEN039, CNCYS045, CNCTEC802	MEMSIGHT, MEMWIE050
97	100808126	PANIGRAHI JAGAN	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCSC041, CNCNANO042, CNCSEN039, CNCYS045, CNCTEC802	MEMSIGHT, MEMWIE050
98	100830323	KUMAR M MOHAN	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCSEN039, CNCYS045, CNCTEC802	MEMSIGHT, MEMWIE050
99	100830718	KUMAR M HEMANTH	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCNANO042, CNCSEN039, CNCYS045, CNCTEC802	MEMSIGHT, MEMWIE050
100	100831315	S DEEKSHITHA	MEMIE013, MEMPE031, MEMPEL035	CNCBIO046, CNCCSC041, CNCNANO042, CNCSEN039, CNCYS045, CNCTEC802	MEMSIGHT, MEMWIE050
101	100896578	DEERAJ C	MEMCAS004, MEMIE013, MEMPE031, MEMPEL035	CNCBIO046, CNCCEDA044, CNCNANO042, CNCRFID741, CNCSEN039, CNCYS045, CNCTEC802	MEMSIGHT, MEMWIE050
102	100905533	LIKITHA A M	MEMCAS004, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCYS045, CNCTEC802	MEMSIGHT, MEMWIE050
103	100905637	ATRE AYONIJA	MEMCAS004, MEMIE013, MEMPE031, MEMPEL035	CNCBIO046, CNCCEDA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCYS045, CNCTEC802	



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104	100905660	SAI SUGEET GANGAVARAPU	MEMCAS004, MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT
105	100905710	S ANCHAL	MEMCAS004, MEMIE013, MEMPE031, MEMPEL035	CNCCSC041, CNCNANO042, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT, MEMWIE050
106	101056618	AYYAPPAN SUBHADRA ANITHA NAIR	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT, MEMWIE050, MEMYP060
107	101057776	HUNAGUND VEENAMAHANTESH	MEMDEI032, MEMIE013, MEMPE031, MEMPEL035, MEMSMC028	CNCBIO046, CNCCEA044, CNCCSC041, CNCNANO042, CNCRFID741, CNCSEN039, CNCSYS045, CNCTEC802	MEMSIGHT, MEMYP060
108	100678029	D NAVANEETHKRISHNAN	MEMMTT017	CNCSEN039	MEMWIE050

*G. Rajesh*  
Dr Rajesh G

IEEE NHCE Student Branch Counselor



*Manjunath*  
Dr Manjunath

Principal

Principal

New Horizon College of Engineering  
Ring Road, Bellandur Post, Near Marathalli  
Bangalore - 560103

**New Horizon Knowledge Park**

Ring Road, Bellandur Post, Near Marathalli, Bangalore, India. Pin- 560103