



ROHINI

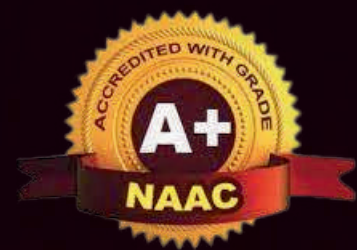
COLLEGE OF ENGINEERING AND TECHNOLOGY

Autonomous Institution

Approved by AICTE & Affiliated to Anna University

All Eligible Courses Accredited by NBA

Accredited by NAAC with A+ Grade



RONIX

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ANNUAL NEWSLETTER 2026 - 2027



Department of
ELECTRONICS AND COMMUNICATION ENGINEERING

Meet the Team

Association Coordinators

Convener,

Dr.Reji.M

**Professor & Head
ECE Department**

Faculty Incharge,

**Mr. N.M. Iniyan Arasu,
Assistant Professor,
ECE Department.**

Students Editors,

Final Year

V.Nirmal kumar ,ECE

R.Bharath, ECE

Third Year

R.K.Nishanth, ECE

I.Keerthika,ECE

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From Chairman's Desk

These words by - Dr.A.P.J.Abdul Kalam perfectly describe our aim at Rohini College of Engineering and Technology. Beyond providing a sound education , we wish to provide our students a holistic learning experience for life. Our aim is to teach students to LEARN, not just STUDY.



Hence, we strive to travel beyond the boundaries of mere books. We have realized that the future is abstract and unknown but the youth in our hands are real and can be Molded. Engineers play the most vital and important role in nation building. They create new inventions using best engineered technologies to make human life more comfortable, secure and productive. In modern times, nations which have rich engineering and experienced technological domains are flourishing economically and are providing better lives to their people We have excellent potential to grow in diversified areas and excel in Engineering and technological fields. We need enormous number of engineers and managers to write next story of success.

We have identified the needs of modern engineering, technology for modern age students, with a vision and mission accompanying transparency, accountability and accessibility which keeps us abreast. I can proudly say that Rohini College of Engineering and Technology is the most modern and sophisticated multidisciplinary institution, imparting quality education and providing a wide and varied arena for the staff and students to showcase their academic and extracurricular talents. With relentless efforts, the college aspires to orchestrate the students' potential for the enrichment and progress of society by equipping them with technical expertise and soft skills. Our well qualified and experienced Teaching faculties guide the students to hone their talents to excel in this competitive world.

I am proud to say that once our students step in, they step out with self-confidence and knowledge to face all future endeavors with full conviction. Fly in the plane of Ambition, Land in the Airport of Success, the luck is yours, the wish is mine. May your future always shines. Good Luck.

*Best Wishes,
Shri.K.Neela Marthandan,
Chairman, Rohini Groups.*

Pro Chairman's Message

Dear All,

My heartfelt congratulations to the Head of the Department of ECE department at RCET and her team of students and professors for their continued dedication, commitment, hard work and collective creative energies, who have labored hard to bring out the magazine for the academic year 2026 -2027



As the Pro chairman of the institution, my heart swells with pride to see the ECE department blossoming and spreading its fragrance of excellence and unfold its petals of quality education. With each progressing year, the ECE department of RCET has strengthened its prime objective and commitment to provide quality education with an elemental emphasis on character formation. The teaching faculty of ECE department comprising a group of qualified, talented and dedicated members consistently emphasize upon enforcing discipline among students with quality classroom teaching and wholesome education. This magazine serves as a channel to express thoughts, imagination and creativity into words. This edition of the magazine encapsulates the arrested moments of yet another eventful year in its flow. The RONIX 2026 annual magazine faithfully mirrors multifarious activities and the harmonious growth of the ECE department of RCET and also proves to be an outlet for the talent of the engineers of tomorrow.

Best Wishes,

Dr. N. Neela Vishnu, MBA, D.Litt

Pro Chairman,

Rohini College of Engineering & Technology.

Managing Director's Message

Dear All,

***“If you are not willing to learn
No one can help you
If you are determined to learn
No one can stop you”***

-Zig Ziglar



I am glad to know that the ECE department of RCET is bringing out the annual issue RONIX newsletter. The newsletter beautifully records the splendid moments of the 2026 -2027 academic year. It is a reflection of the enthusiasm, passion, intensity and dedication of teachers for the profession they have chosen. The report reflects that the year 2026-2027 has been yet another vibrant and progressive year for the ECE department of RCET. It serves as a platform to display the creative thoughts and talents of the students. Initiatives like this provide opportunity to the students and encourages their talents. The department not only strives to transform students into professional graduates but also sensible and responsible young active citizens. I hope that they continue to create delightful academic excellence and a bounty of opportunities to make budding engineers, competent enough to face the future.

I would like to extend my warm greetings to the HOD, staff and the students of the ECE department and send my best wishes for their future endeavors

***Best Wishes,
Dr.V.M. Blessy Geo, M.Sc, Ph.D.
Managing Director
Rohini College of Engineering & Technology.***

Principal's Message

Dear All,



It gives me an immense pleasure to note that Department of Electronics and Communication Engineering of ROHINI College of Engineering and Technology is bringing out the News Letter 'Electrovision'.

Dear All, it gives me great pleasure, as a Principal of this college, to say a few words about Rohini College of Engineering and Technology. Any Institution, if it aims at reaching greater heights, needs to have clearly spelt Vision and Mission. Our college has set its Mission as to impart Quality Education to all the people, thereby developing the nation as a whole. UGC has conferred the Autonomous Status to the college starting from the academic year 2026-2027 for a period of 14 years.

Our long term vision being to achieve greater heights in the field of education by providing an opportunity to each and every individual to choose the right path, realize the value of education and achieve their goals by adding values through quality education. We give more emphasis to the overall molding of every student through quality education and In-plant training, right from the initial stage of education. The placement cell has a vital role in placing the students in the reputed companies. With all these facilities in place and with the right attitude of the Management, The students who continue education in this esteemed Institution would be greatly benefited in future.

Each issue of this News letter is a milestone that marks our growth, unfolds our imaginations, and gives life to our thoughts and aspirations. My heartfelt Congratulations to staff members and Students for their fruitful effort. Best Wishes.

Best Wishes,

Dr. R.Rajesh, M.E., Ph.D.

Principal

Rohini College of Engineering & Technology.

HOD's Message



It gives me great pleasure to share “ELECTROVISION,” the annual newsletter of the Department of Electronics and Communication Engineering. This newsletter reflects the hard work, creativity, achievements, and memorable moments of our students and faculty

Our department believes that education goes beyond the classroom. We encourage our students to learn new things, explore their interests, develop their skills, and actively participate in academic, technical, cultural, and extracurricular activities. The achievements and activities presented in ELECTROVISION are a reflection of their enthusiasm and dedication.

As technology continues to grow rapidly, it is important for our students to stay curious, adaptable, and ready to learn. I am happy to see our students taking part in various projects, competitions, events, and activities that help them gain knowledge, confidence, and valuable experience.

I sincerely appreciate the efforts of our faculty members, students, and the ELECTROVISION Editorial Team for their valuable contributions and teamwork in bringing this newsletter together.

I hope ELECTROVISION will preserve the memorable moments of our department and inspire every student to keep learning, creating, and achieving greater heights.

“My best wishes to everyone for a successful and bright future.”

Dr.Reji.M
Professor & Head
ECE Department

FACULTY ADVISOR



Dear All,

It gives us great pleasure to bring you the first issue of “ElectroVision”, the ECE department Newsletter of Rohini College of Engineering and Technology, Kanyakumari.

The name and fame of an institute depends on the caliber and achievements of the students and teachers. The role of teacher is to be a facilitator in nurturing the skills and talents of students. This Newsletter is a platform to exhibit the literary skills and innovative ideas of teachers and students “Electrovision” presents the skills and innovative thinking of students and contributions of teachers. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We profusely thank the management for giving support and encouragement and a free hand in this endeavor. Last but not the least we are thankful to all the authors who have sent their articles. We truly hope that the pages that follow will make an interesting read. With Best Wishes!

**Mrs.S.K.Gayathri,
Assistant Professor,
ECE Department.**

Faculty Incharge

“Perfection is not attainable but if we chase perfection we can catch excellence”.

I am delighted to be a member of this newsletter. I extended my sincere thanks to the team work who have contributed in this newsletter and enhanced its perfection and beautification through out this symposium. Individually and collectively let's work to serve the cause of education for the betterment of the coming generation. Wishing you a bright future with a lot of love.



Mr. N.M. INIYAN ARASU
Assistant Professor
ECE Department

General Secretary's Message



A Message to My Fellow ECE Friends,

**“தெய்வத்தான் ஆகா தெனினும் முயற்சிதன்
மெய்வருத்தக் கூலி தரும்.”**

“Even if something cannot be achieved by divine help, sincere effort will surely reward the one who strives.”

Dear ECE Family,

As we turn the pages of our department magazine, let us also turn the pages of our own journey—with courage, determination, and hope. The above Thirukkural beautifully reminds us that success is not simply a matter of luck or circumstances; it is the reward of consistent effort, patience, and perseverance.

As Electronics and Communication Engineering students, we may face challenging subjects, demanding projects, technical failures, deadlines, and moments when our confidence is tested. But every failure is an opportunity to learn, and every challenge is a stepping stone towards excellence. A circuit may not work on the first attempt, a program may contain errors, and a project may fail—but our effort should never fail.

Let us dream beyond limitations, learn beyond classrooms, innovate beyond expectations, and work together towards a brighter future. Our achievements will not be measured only by the marks we earn, but by the problems we solve, the knowledge we gain, and the positive impact we create.

Believe in your potential. Trust your journey. Keep striving.

Because when determination meets effort, success becomes inevitable.

Mr.C. Pushparaj
General Secretary – ECE
Rohini College of Engineering
and Technology

INSTITUTE VISION

- *To be an academic institute of continuous excellence towards education and research in rural regime and provide service to nation in terms of nurturing potentially higher social, ethical and engineering companion graduands.*

INSTITUTE MISSION

- *To Foster and Promote Technically Competent Graduands by Imparting the State of Art Engineering Education in Rural Regime.*
- *To Enunciate Research assisted Scientific Learning by Dissemination of Knowledge towards Science, Agriculture, Industry and National Security.*

DEPARTMENT VISION

- *To promote ethical and innovative Electronics and Communication Engineers through excellence in teaching, training and research so as to contribute to the advancement of the rural society and mankind*

DEPARTMENT MISSION

- *To focus on quality teaching and learning that will make students to adapt to the needs of the industry and higher learning.*
- *To infuse a spirit of social responsibility, innovation, creativity and ethical practices through all round development activities of students.*

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

- *PEO1: Lead a successful career by applying the Scientific and Engineering fundamentals to formulate and solve the real life problems.*
- *PEO2: Practice the ethics of their profession, consistent with a sense of social responsibility and aptitude for innovations as they work individually and in multi-disciplinary teams.*
- *PEO3: Be receptive to recent technologies so as to excel in industry and accomplish professional competence through lifelong learning.*

PROGRAM SPECIFIC OUTCOMES (PSO's)

- *PSO1: Ability to perform innovatively in the fields of Electronics and communication Engineering by utilizing the acquired knowledge and to progress in the profession by applying ethical values ultimately benefiting the rural society.*
- *PSO2: Apply advanced engineering hardware and software tools to solve complex Electronics and Communication Engineering problems.*

EDITOR'S DESK

It gives me great pleasure to present this edition of our Department Newsletter, which brings together the memorable moments, achievements, activities, and experiences of our students and faculty.

College life is not only about attending classes and writing examinations. It is also about learning new things, trying new ideas, making friends, facing challenges, and discovering our own strengths. This newsletter is a small reflection of all those experiences that make our department special.

As students of Electronics and Communication Engineering, we have many opportunities to learn, explore, and grow with technology. Through workshops, seminars, projects, competitions, technical events, and various extracurricular activities, our students continue to show their creativity, talent, and enthusiasm.

I am happy to see our students actively participating and giving their best in different areas. Every achievement, whether big or small, is the result of effort, teamwork, and determination. I hope these achievements inspire everyone to believe in themselves and make use of every opportunity that comes their way.

EDITOR'S DESK

I would also like to thank our faculty members for their constant support, guidance, and encouragement. Their efforts help us learn beyond the classroom and prepare ourselves for the future. As you go through these pages, I hope you enjoy the memories, appreciate the achievements, and feel proud of being a part of our department. Let us continue to learn, explore, create, and grow together.

Keep learning. Keep exploring. Keep believing in yourself



Nirmalkumar V,
IV Year,
ECE Department



Bharath R,
IV Year,
ECE Department



Nishanth R K,
III Year,
ECE Department,



Keerthika I,
III Year,
ECE Department,

Faculties Profile



Dr.M.Reji
Professor &HOD/ECE

Total Years of Experience in Teaching : 19 Years

Subject Expertise :
Wireless Communication

Awards / Achievements / Recognitions :

- IET CLN young inspiring teacher
- Guinness world record CBR-training appreciation award April 2016
- ANNA UNIVERSITY ME -9 th Rank
- 50+ journal paper published
- 4 books published
- 15 pattern filed
- 10+ conference conducted
- 4 grant pattern

Faculties Profile

PROFESSORS



**Dr. NAVEENA A
PRIYADHARSINI**
Professor/ECE

Total Years of Experience in Teaching : 14.6 Years

**Subject Expertise :
Wireless Communication**

Awards / Achievements / Recognitions :

- **Excellence in Innovation and Research Award**
- **Reviewer of Wireless Personal Communication springer journal.**

ASSOCIATE PROFESSORS



DR. M S SUMI
Associate Professor/ECE

Total Years of Experience in Teaching : 6.5Years

Awards / Achievements / Recognitions :

- **Received Best Paper Award at ICNIS 2019 conference held at Noorul Islam Centre for Higher Education.**



Dr.R. SOWMIYA
Associate Professor/ECE

Total Years of Experience in Teaching : 13 Years

Contributions :

- **Naan Mudhalvan Single Point of Contact (SPOC) during 2022-2023.**
- **Dance club Incharge**

Faculties Profile



DR. R. BABY SHALINI
Associate Professor/ECE

Total Years of Experience in Teaching : 15 Years

Subject Expertise :

Wireless Communication, Signal Processing, Image Processing

Contributions :

- Guest lectures, patents, Book Publications

Awards / Achievements / Recognitions :

- Best researcher award - 2026

ASSISTANT PROFESSORS



Dr. N. SATHYA SHEELA
Assistant Professor/ECE

Total Years of Experience in Teaching : 4.5 Years

Subject Expertise :

Wireless Communication



Mr. R. VENKATESH
Assistant Professor/ECE

Total Years of Experience in Teaching : 19.6 Years

Subject Expertise :

Optical Communication, Wireless Networks, Digital signal Processing

Faculties Profile



Mrs. R. ASHLIN JINUSHIA
Assistant Professor/ECE

Total Years of Experience in Teaching : 9.7 Years

Subject Expertise :
Wireless Communication

Awards / Achievements / Recognitions :
• Academic excellence.



**Mrs.C.PRISCILLA PACKIA
SLACER**
Assistant Professor/ECE

Total Years of Experience in Teaching : 9.2 Years

Subject Expertise :
Communication System,VLSI

Awards / Achievements / Recognitions :
• Published 9 research papers in reputed international and journals.
• Granted a patents of AI based smartwatch.



Mrs.S.K.GAYATHRI
Assistant Professor/ECE

Total Years of Experience in Teaching : 10.7 Years

Subject Expertise :
Signals and Systems

Faculties Profile



Ms.R.Thazleema banu
Assistant Professor/ECE

Total Years of Experience in Teaching : 4.1 Years

Subject Expertise :

Signal, Image Processing, Networks and Security

Awards / Achievements / Recognitions :

- 100 % Result Achiever Award.
- Attended FDP related to NAAN MUDHALVAN.



Mr. S.SUDHAKAR
Assistant Professor/ECE

Total Years of Experience in Teaching : 18 Years

Subject Expertise :

Communication Systems and Networks

Awards / Achievements / Recognitions :

- Excellence in Teaching Award.
- Excellence in Academic Result Award.
- CISCO - Best Instructor Award.
- Best Social Service Award.



Mrs.J. JENILA
Assistant Professor/ECE

Total Years of Experience in Teaching : 8 Years

Subject Expertise :

Microwave & RF Engineering

Faculties Profile



Mr. N.M. INIYAN ARASU
Assistant Professor/ECE

Total Years of Experience in Teaching : 7.1Years

Subject Expertise :

**Wireless Networks, , Antenna Design, IoT,
Wireless Communication**



Mr.S.SURESH
Assistant Professor/ECE

Total Years of Experience in Teaching : 12.5 Years

Subject Expertise :

Wireless Networks

Awards / Achievements / Recognitions :

- Placement Coordinator, NAAC/NBA Department Coordinator.



Dr.S.Jacily Jemila
Associate Professor/ECE

Total Years of Experience in Teaching : 18 Years

Subject Expertise :

VLSI Design,Digital Electronics,Image Processing

Awards / Achievements / Recognitions :

- Best Faculty Award.
- Research Excellence Award.
- Best Paper Award .

Staff Profile



J. Stalin Pon Pandey
Lab Assistan/ECE

Total Years of Experience in Teaching : 15 Years

Subject Expertise :
Wireless Communication



M.TAMIL SELVI
Lab Assistant/ECE

Total Years of Experience in Teaching : 15 Years

Subject Expertise :
**Wireless Networks, Electronic Devices and
Circuits**



N.VIJILA
Lab Assistant/ECE

Total Years of Experience in Teaching : 2.5 Years

Subject Expertise :
**Wireless Networks, Linear Integrated
Circuits**



Dr.M.Reji
Professor &HOD/ECE

President



Mrs.S.K.GAYATHRI
AssistantProfessor/ECE

Faculty Advisor



Mr.C.Pushparaj
IV Year ECE

General Secretary



R.K.Nishanth
III Year ECE

Joint Secretary



M.K.Karthika
IV Year ECE

Treasurer



S.V.Gohul
IV Year ECE

Executive Member



Mr.R.V.Rishikesh
IV Year ECE

Executive Member



A.Arsha lekshmi
III Year ECE

Executive Member



H.Midhula
III Year ECE

Executive Member



V.Gowsik Sarathy
II Year ECE

Executive Member



D.Shivaani
II Year ECE

Executive Member

Mentors

IV YEAR



DR. R. BABY SHALINI
Associate Professor/ECE



Mr. R. VENKATESH
Assistant Professor/ECE

III YEAR



Dr. R. SOWMIYA
Associate Professor/ECE



Mr. S. SUDHAKAR
Assistant Professor/ECE

II YEAR



Mrs. S. K. GAYATHRI
Assistant Professor/ECE



Mrs. C. PRISCILLA PACKIA SLACER
Assistant Professor/ECE

Mentors

I YEAR - A



Dr. N. SATHYA SHEELA
Assistant Professor/ECE



Dr. NAVEENA A PRIYADHARSINI
Professor/ECE

I YEAR - B



Ms. R. Thazleema banu
Assistant Professor/ECE



Mrs. R. ASHLIN JINUSHIA
Assistant Professor/ECE

Representatives

IV YEAR



Mr.C.Pushparaj
IV Year ECE



M.K.Karthika
IV Year ECE

III YEAR



R.K.Nishanth
III Year ECE



J.Emima Rose
III Year ECE

II YEAR



R.B.Britto Shah
II Year ECE



Siva Nethra S A
II Year ECE

ASSOCIATION INAUGURATION

The Department of Electronics and Communication Engineering successfully conducted the Department Association Inauguration for the academic year 2026–2027 on 8 July 2026 at the Imperial Hall. The programme marked the formal inauguration of the department association, “The Faire Connectrons,” and the commencement of its activities for the new academic year. The event brought together faculty members and students with great enthusiasm, creating a positive atmosphere for the beginning of another year of learning, participation, and professional development.

The Department Association was inaugurated with the objective of providing students with opportunities to enhance their knowledge beyond the regular classroom environment. Through various technical, academic, and co-curricular activities, the association aims to encourage students to develop their skills, explore new areas of interest, share ideas, and actively participate in departmental initiatives. The association also provides a platform for students to improve important qualities such as communication, teamwork, leadership, creativity, confidence, and problem-solving.



ASSOCIATION INAUGURATION

The highlight of the programme was the presence of the distinguished resource person, Mr. J. Sivakumar, Deputy Director (Retd.), Stage Assembly & Integration Entity (SAIE), ISRO Propulsion Complex (ISRO), Mahendragiri. As part of the programme, the resource person provided the students with an introductory session on space, offering them an opportunity to develop a basic understanding of the fascinating world beyond Earth. His session created curiosity among the students and introduced them to the broader field of space science and exploration.

The introductory session gave students an opportunity to look beyond their everyday understanding of the world and learn about the significance of space and space exploration. The resource person introduced the students to the fascinating nature of space and the importance of exploring and understanding the universe.



ASSOCIATION INAUGURATION

His interaction helped students appreciate how human curiosity and scientific exploration have contributed to the development of space technology and our understanding of the world beyond Earth.

The session also provided students with an introduction to the role of ISRO in India's space programme. Through his experience and association with the Indian space sector, the resource person gave students a glimpse into the journey of India's efforts in space exploration and technological development.



The introduction helped students understand that space exploration involves the combined efforts of scientists, engineers, researchers, and technical professionals working together towards common goals.

For students of Electronics and Communication Engineering, the session was particularly interesting as it helped them recognize the connection between their field of study and the broader world of space technology. Electronics and communication systems form an important part of modern technological development, and the session encouraged students to understand that the concepts they learn as engineering students can have applications in advanced and challenging fields.

ASSOCIATION INAUGURATION



The Department Association Inauguration 2026–2027 was therefore a meaningful beginning to the activities of “The Faire Connectrons.” The installation of the office bearers established a strong foundation for student leadership, while the introductory session on space provided students with an inspiring glimpse into the fascinating world of space and India's space journey. The event successfully created enthusiasm among the students and encouraged them to remain curious, explore new areas, and make effective use of the opportunities available to them.

With the beginning of the new academic year, the Department of Electronics and Communication Engineering looks forward to a year filled with learning, participation, innovation, collaboration, and achievement. The inauguration marked not just the start of an association, but the beginning of a journey towards discovering new ideas, exploring new possibilities, and reaching greater heights.

INDUSTRIAL VISIT

C-DAC (Centre for Development of Advanced Computing) is a Government of India R&D organisation working under MeitY. It develops advanced technology solutions in areas such as electronics, computing, AI, cybersecurity, embedded systems and high-performance computing. C-DAC also works on indigenous technology development and advanced research projects. The organisation develops and deploys products and solutions for various sectors. Overall, C-DAC focuses on developing advanced technologies and innovative solutions for India.



INTERNSHIP

Our internship at Srishti Innovative was a valuable and enjoyable learning experience. It gave us an opportunity to understand how a professional technology company works and how real-time projects are handled. During the internship, we gained practical knowledge about different technologies and learned how the concepts we study in college are applied in real-world situations. We were also able to observe the professional working environment and understand how a team works together to complete projects successfully. The guidance and support from the team helped us improve our technical knowledge and problem-solving skills. We also developed our communication, teamwork, and time-management abilities. The experience helped us become more confident in handling technical tasks and understanding industry requirements. Overall, our internship at Srishti Innovative gave us useful industry exposure and a better understanding of the IT field. It was a memorable experience that will be helpful for our future academic projects and career.



INTERNSHIP

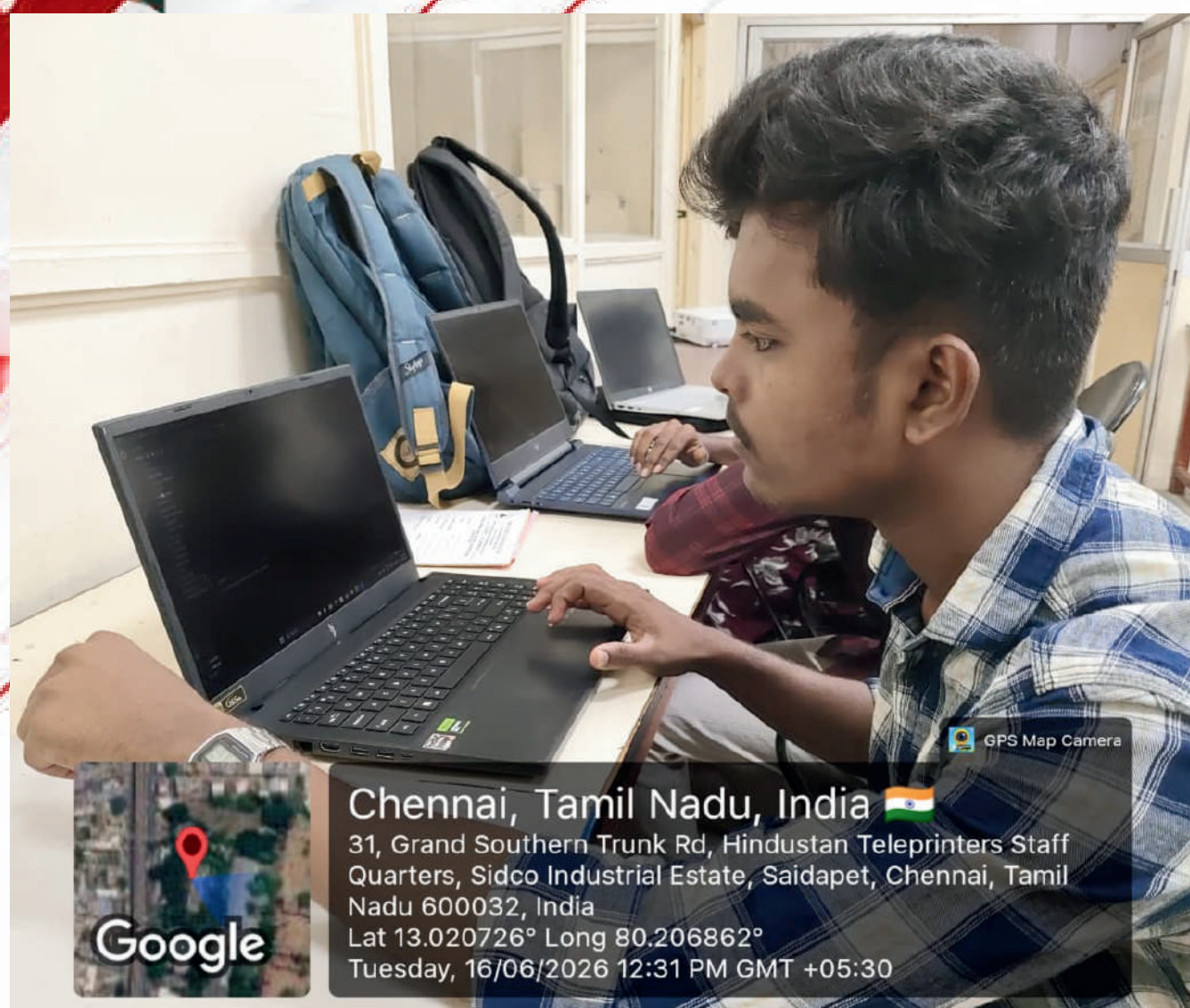


Our department students had the valuable opportunity to undergo an internship at Chennai Metro Rail Limited (CMRL) in the Signal and Telecommunications (S&T) Department. The internship provided students with practical exposure to the advanced technologies and communication systems used in modern metro rail operations. During the internship, students gained an understanding of railway signalling, train control systems, communication networks, train detection, interlocking systems, and control-room operations.

They also observed how signalling and telecommunication technologies work together to ensure the safe, reliable, and efficient movement of trains. The internship offered students an opportunity to connect their academic knowledge with real-world engineering applications. It also helped them understand the importance of safety, precision, teamwork, and technical responsibility in large-scale transportation systems.

Overall, the internship at CMRL was a valuable learning experience for our department students. It enhanced their technical knowledge, improved their practical understanding, and motivated them to explore career opportunities in railway signalling, telecommunications, metro rail systems, and related engineering fields.

INTERNSHIP

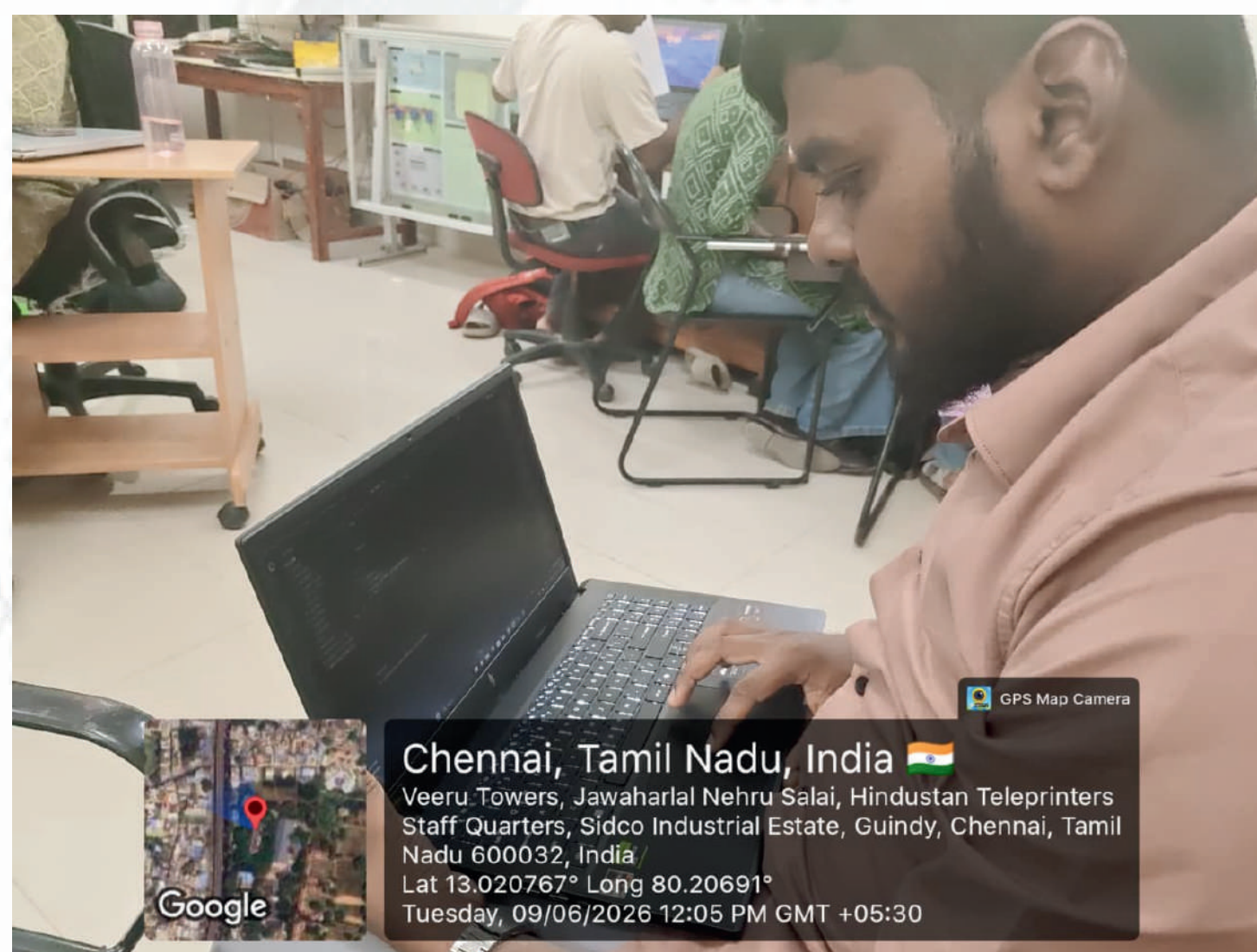


Our department students had the opportunity to attend an internship at the National Small Industries Corporation (NSIC), focusing on Web Development. The internship provided students with valuable practical exposure to the concepts and techniques involved in developing modern websites and web-based applications

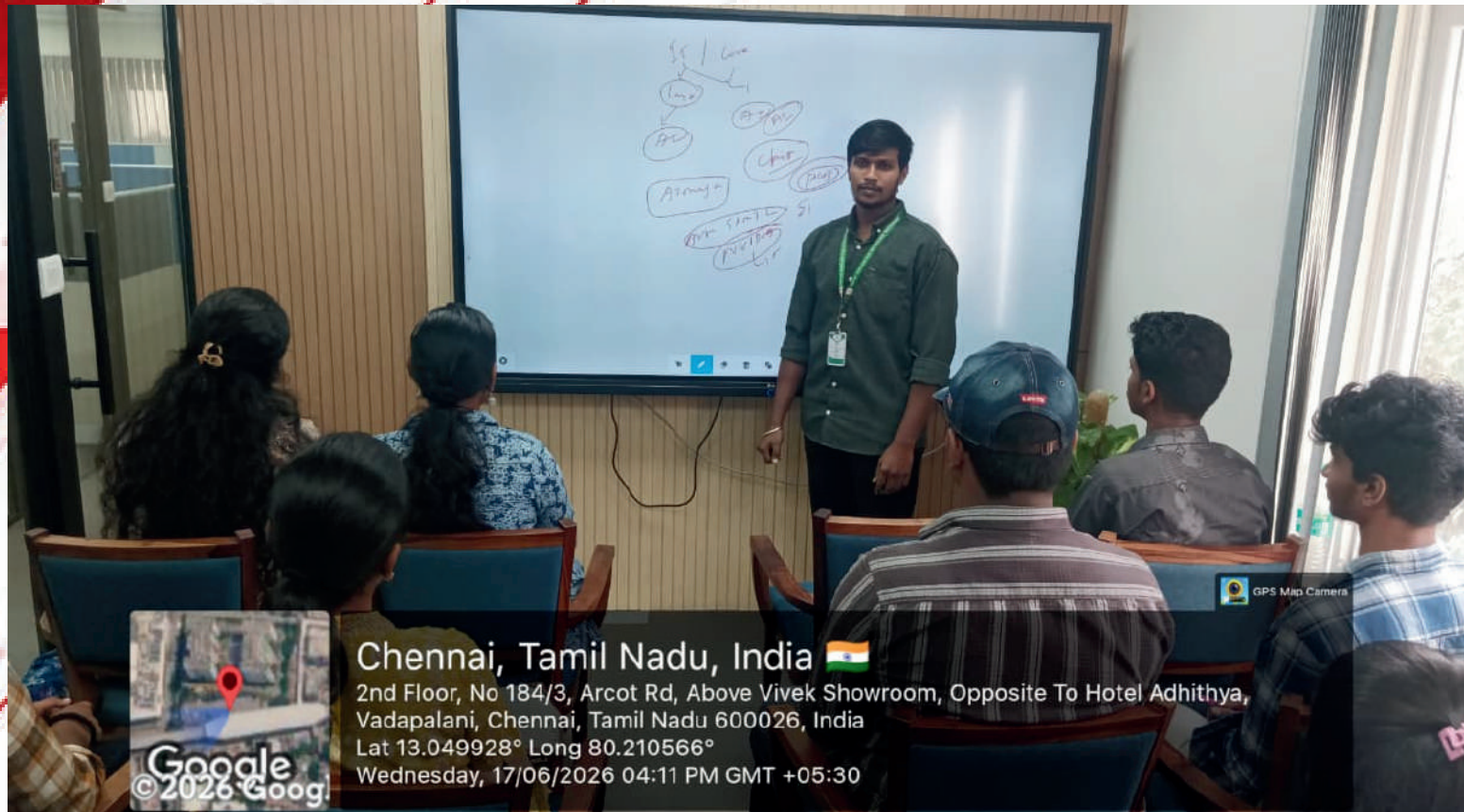
Throughout the training, students gained hands-on experience in areas such as web page development, front-end technologies, responsive design, database connectivity, and basic application development. The internship also helped them understand how the knowledge gained in the classroom can be applied to real-world technical projects.

Apart from technical skills, the training improved students' problem-solving abilities, teamwork, communication, and confidence. Interacting with a professional work environment gave them a better understanding of industry expectations and the importance of continuous learning.

The internship at NSIC was a meaningful learning experience for our students, helping them strengthen their technical foundation and gain practical knowledge in Web Development.



INTERNSHIP



Our department students had a valuable opportunity to attend an internship at Mirror Institute in the field of Embedded Systems. The internship gave them practical exposure to the concepts they had learned in the classroom and helped them understand how embedded technologies are used in real-world applications.

During the internship, students explored microcontrollers, embedded programming, sensors, electronic circuits, and hardware interfacing. They were able to gain hands-on experience by working with practical tasks and understanding the interaction between hardware and software.

The training also helped students improve their technical knowledge, problem-solving skills, teamwork, and confidence. It provided a better understanding of industry practices and encouraged them to apply their academic knowledge to practical situations.

Overall, the internship at Mirror Institute was a meaningful learning experience that strengthened our students' interest in Embedded Systems and motivated them to develop their skills for future careers in Electronics, IoT, and Embedded Technology.



INTERNSHIP



Our department students had the opportunity to attend an internship at the Kudankulam Nuclear Power Plant, which provided them with valuable exposure to the practical aspects of power generation and plant operations. The internship helped students understand how engineering concepts learned in the classroom are applied in a real industrial environment.

The Department Association Inauguration 2026–2027 was therefore a meaningful beginning to the activities of “The Faire Connectrons.” The installation of the office bearers established a strong foundation for student leadership, while the introductory session on space provided students with an inspiring glimpse into the fascinating world of space and India's space journey. The event successfully created enthusiasm among the students and encouraged them to remain curious, explore new areas, and make effective use of the opportunities available to them. With the beginning of the new academic year, the Department of Electronics and Communication Engineering looks forward to a year filled with learning, participation, innovation, collaboration, and achievement. The inauguration marked not just the start of an association, but the beginning of a journey towards discovering new ideas, exploring new possibilities, and reaching greater heights.

INTERNSHIP



Two students from the Department of Electronics and Communication Engineering successfully completed an internship at Bharat Sanchar Nigam Limited (BSNL), gaining valuable exposure to the practical world of telecommunications.

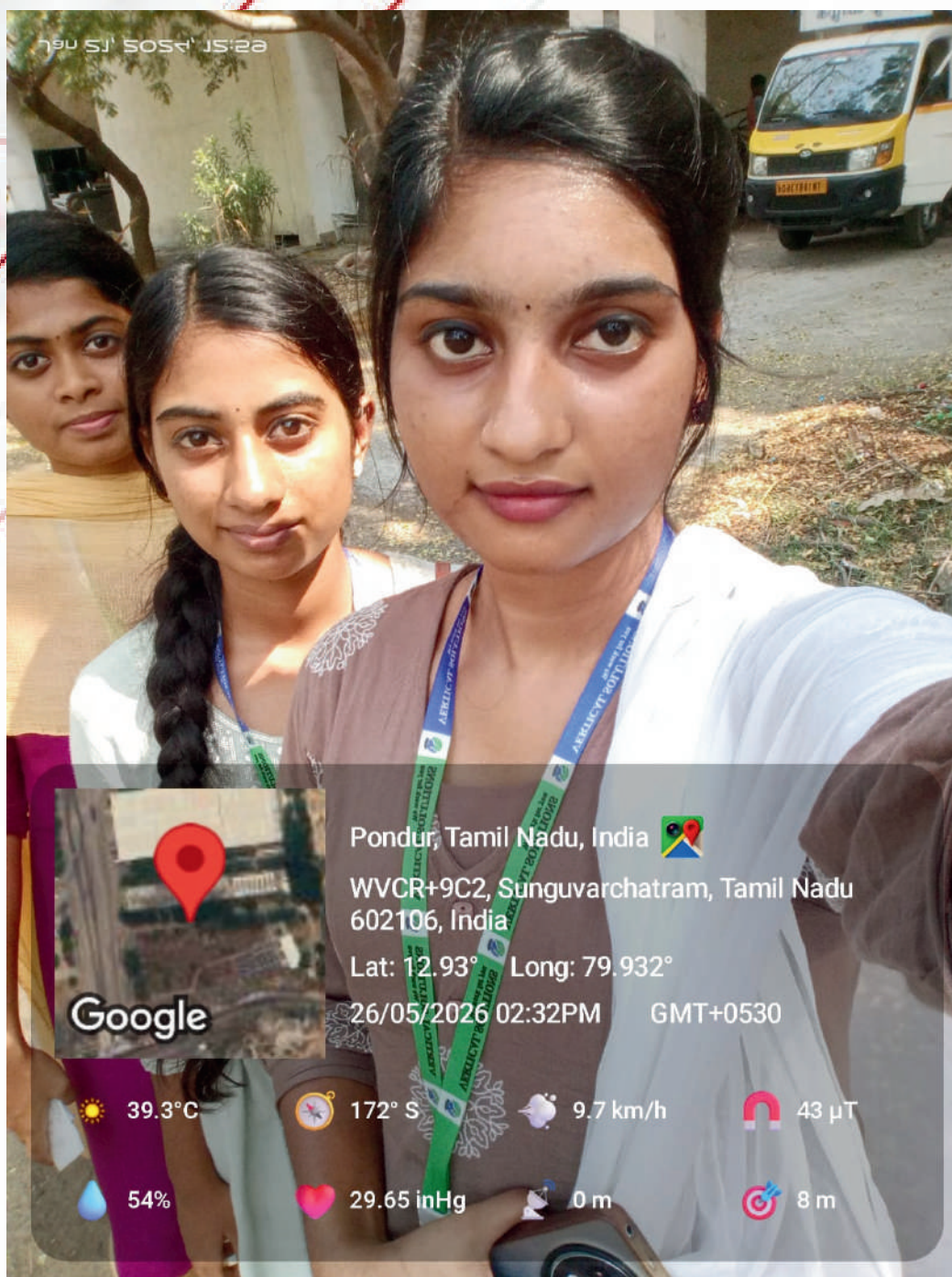
The internship provided the students with an opportunity to understand the working of real-time communication networks and the technologies that support modern telecommunications.

They gained practical insights into network infrastructure, transmission systems, switching, broadband communication, and other essential telecommunication operations.

The students also had the opportunity to interact with industry professionals and observe the practical implementation of concepts learned in the classroom. This experience helped them develop a better understanding of industry practices, technical problem-solving, and the importance of maintaining reliable communication networks.

The internship served as an enriching learning experience, bridging the gap between academic knowledge and industrial practices. It enhanced the students' technical confidence and motivated them to explore emerging opportunities in the fields of Electronics and Communication Engineering and telecommunications. The internship marked a valuable step in their journey towards becoming industry-ready engineers.

INTERNSHIP



The Department of Electronics and Communication Engineering provided students with an opportunity to gain valuable industrial exposure through an internship at Foxconn, one of the leading electronics manufacturing organizations. The internship was carried out in the Quality Department, offering students a closer understanding of the processes and practices involved in maintaining quality in a large-scale manufacturing environment.

The internship served as an effective platform for students to experience the transition from academic learning to industrial practice. Concepts studied in areas such as electronic devices, circuits, instrumentation, measurement, manufacturing processes, and quality control were better understood through their practical application in an actual industrial setting.

During the internship, students were introduced to various quality-related activities involved in electronics manufacturing. They gained exposure to inspection and testing procedures, quality monitoring, process verification, defect identification, and the systematic methods used to maintain product standards. The experience helped them understand that quality is not limited to the final inspection of a product but is maintained throughout different stages of the manufacturing process.

INTERNSHIP

Students also observed how standard operating procedures and quality practices are followed to ensure consistency, reliability, and performance. They gained an understanding of the importance of accurate measurements, proper documentation, attention to detail, and timely identification of defects. Such exposure helped them appreciate how even small variations in manufacturing can influence the overall quality of an electronic product.

Interaction with industry professionals further enriched the learning experience. Students gained insights into workplace responsibilities, professional communication, teamwork, time management, and systematic problem-solving. The guidance provided by experienced personnel helped them understand the expectations of the industry and the importance of maintaining discipline and safety in a professional environment.

The internship also encouraged students to look beyond theoretical knowledge and develop a practical approach towards engineering problems. Observing real-time manufacturing operations helped them understand the coordination required between different teams and departments to achieve efficient production while maintaining quality standards.

One of the key outcomes of the internship was the development of greater confidence in applying technical knowledge to practical situations. Students were able to identify the connection between what they learn in the classroom and how those concepts contribute to real-world engineering operations. This practical understanding is essential for developing engineers who are capable of adapting to rapidly changing industrial requirements.

The experience also highlighted the importance of continuous improvement in the electronics manufacturing sector.

INTERNSHIP

Students understood how organizations continuously monitor processes, identify areas for improvement, reduce defects, and work towards achieving better efficiency and product reliability.

Overall, the internship at Foxconn was a valuable and enriching experience for the students of the Department of Electronics and Communication Engineering. It strengthened their technical awareness, professional skills, and understanding of quality-oriented manufacturing practices. More importantly, the experience helped bridge the gap between academic learning and industrial requirements, preparing students to become confident, skilled, and industry-ready engineers.

The internship stands as a meaningful milestone in the students' academic journey, inspiring them to continuously enhance their knowledge, develop practical skills, and contribute effectively to the future of the electronics and manufacturing industry



INTERNSHIP

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WORKSHOPS



In June, our college organized a Placement Training Programme on Java Full Stack Development and Aptitude to enhance students' technical knowledge and prepare them for upcoming placement opportunities. The programme focused on developing industry-relevant skills through a

combination of technical training, aptitude practice, and problem-solving activities.

The Java Full Stack Development sessions introduced students to essential programming concepts, Object-Oriented Programming, web development, database management, front-end and back-end technologies. Students were encouraged to practice coding and understand how different technologies are integrated to develop complete web applications. The practical-oriented sessions helped students strengthen their programming and logical thinking abilities.

Along with technical training, the programme also gave importance to Aptitude and Logical Reasoning, which are key components of most campus recruitment processes. Students practiced quantitative aptitude, numerical ability, logical reasoning, analytical thinking, and problem-solving. The sessions helped improve their speed, accuracy, time management, and confidence in handling placement-based assessments.

The training provided students with an opportunity to understand industry expectations and recruitment requirements. Interactive sessions and regular practice encouraged students to actively participate, clarify their doubts, and apply their knowledge to practical problems.

WORKSHOPS



During the month of March, our college organized a one-week Skill-Based Training Program on Python Full Stack Development for students. The training was conducted with the aim of improving students' programming knowledge and giving them practical exposure to technologies used in the software industry.

Throughout the one-week program, students were introduced to the fundamentals of Python programming through simple explanations, examples, and hands-on activities. The sessions helped students understand important programming concepts and develop better logical and problem-solving skills.

The training also provided an introduction to Full Stack Development, covering both front-end and back-end concepts. Students gained basic knowledge of HTML, CSS, JavaScript, Python, and database concepts, helping them understand how a complete web application works from the user interface to the server side.

A key feature of the training was its practical approach. Instead of focusing only on theory, students were encouraged to practice coding and work on application-oriented activities. This made the learning experience more interesting and helped students gain confidence in writing and understanding programs.

The one-week training also gave students an opportunity to explore the skills expected in the current IT industry. It motivated them to continue learning Python and full-stack technologies and encouraged them to develop their own projects in the future.

WORKSHOPS



The Department of Electronics and Communication Engineering organized a skill-based development course on Advanced Embedded Systems to enhance students' technical competencies and provide them with practical exposure to emerging embedded technologies.

The programme was designed to bridge the gap between academic learning and industry requirements by providing students with hands-on experience in embedded system design, programming, hardware–software integration, and real-time applications.

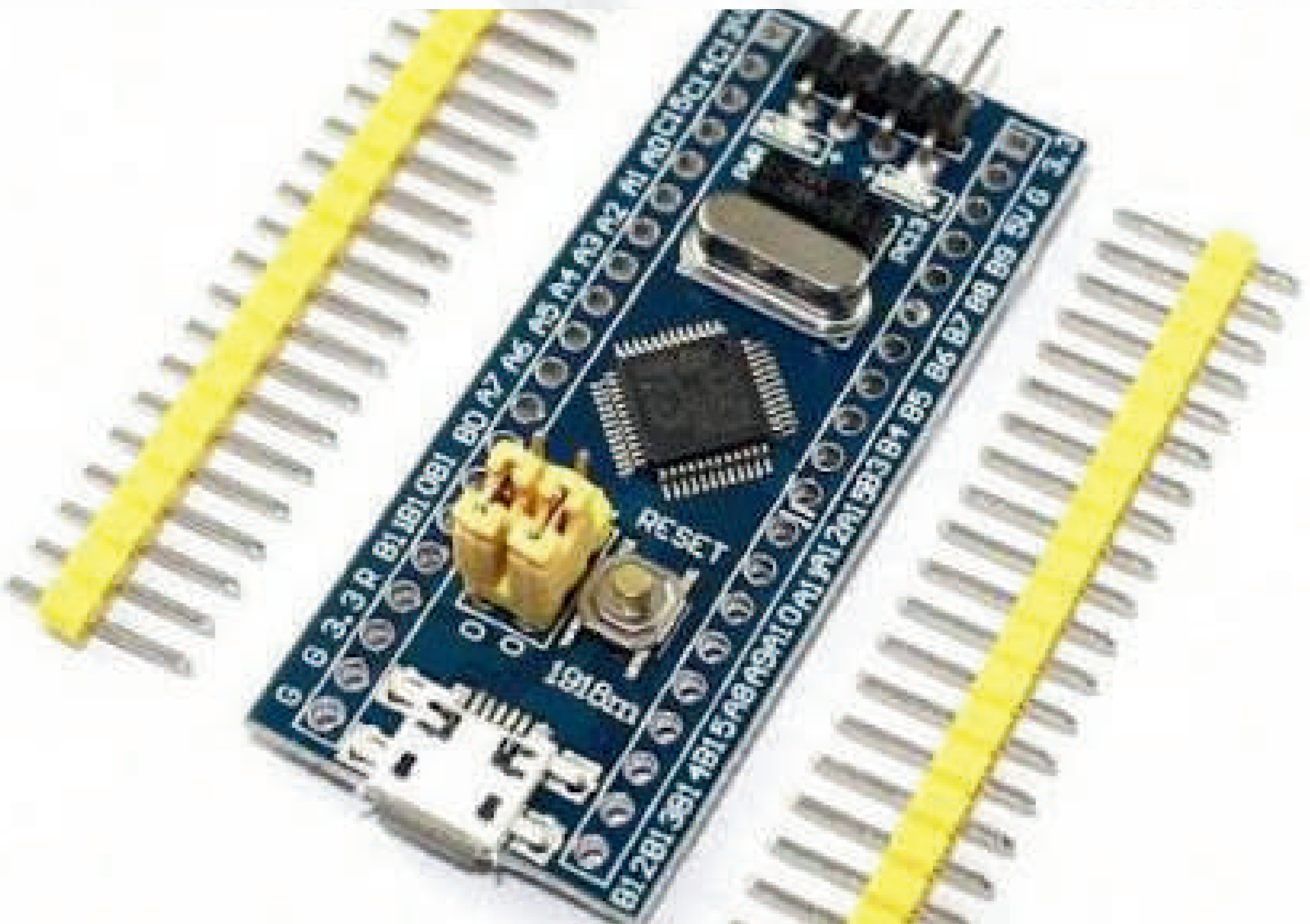
The course enabled students to gain practical knowledge of microcontrollers, sensors, communication interfaces, embedded programming, and system integration. Through interactive sessions and hands-on activities, students explored the development and implementation of embedded solutions for applications in IoT, automation, automotive electronics, industrial control, smart devices, and other emerging technological domains. The training also encouraged students to develop problem-solving abilities, troubleshoot technical challenges, and apply engineering concepts to real-world applications.

A key feature of the programme was its emphasis on experiential learning. Students were encouraged to work with embedded development platforms and understand the interaction between hardware and software in real-time systems.

WORKSHOPS

This practical exposure helped them strengthen their programming skills, improve their understanding of embedded architectures, and develop greater confidence in designing and implementing application-oriented solutions.

The programme served as an important initiative in promoting industry-oriented learning, innovation, and employability among students. It provided valuable exposure to current technological practices and encouraged participants to explore advanced career opportunities in embedded systems and related fields. Overall, the skill-based development course contributed significantly to enhancing students' practical knowledge and preparing them to meet the evolving demands of the electronics and embedded systems industry.



WORKSHOPS



The Centre for Skill and Career Development, in association with the Department of Electronics and Communication Engineering, organized a Value-Added Course on “VLSI Front-End Design for FPGA Implementation” from 24 February 2026 to 28 February 2026 at the Simulation Lab.

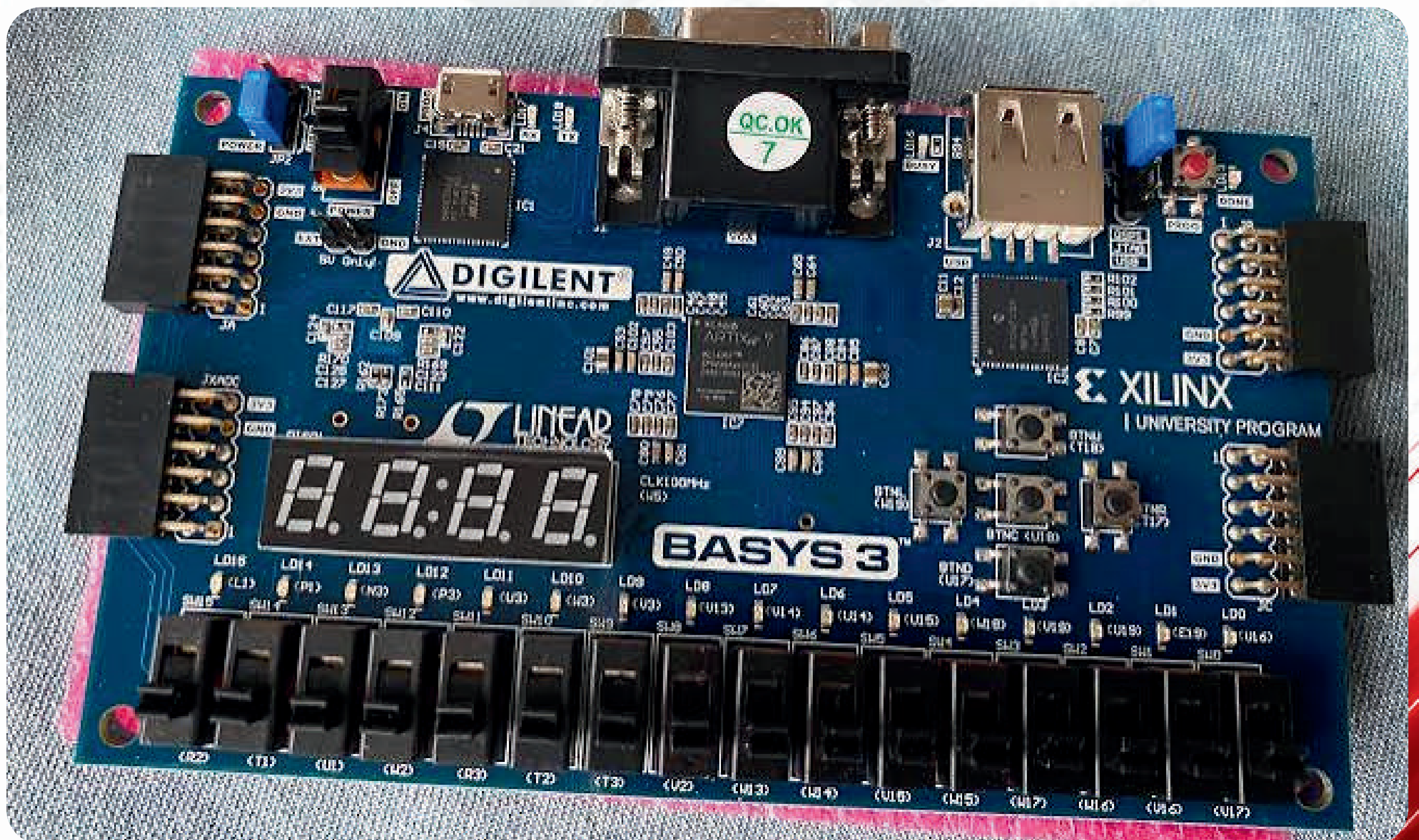
The five-day programme was organized with the objective of providing students with practical exposure to VLSI front-end design methodologies and FPGA-based digital system implementation.

The course focused on developing students’ understanding of essential VLSI concepts, including digital system design, Verilog HDL programming, combinational and sequential circuits, simulation, synthesis, and FPGA implementation. The training provided students with an opportunity to strengthen their knowledge through practical sessions and gain a better understanding of the stages involved in transforming a digital design concept into a functional hardware implementation.

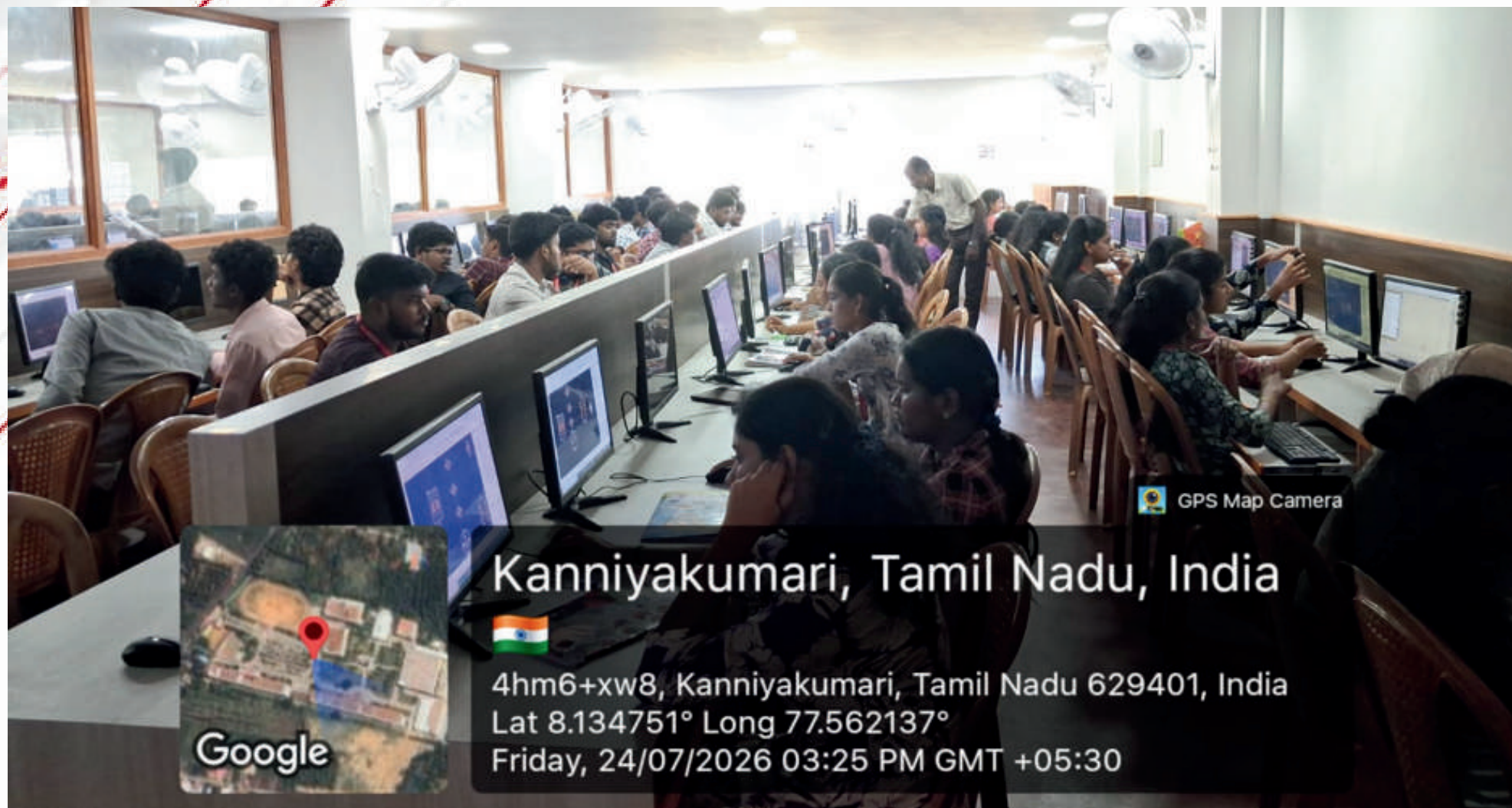
The hands-on sessions enabled students to apply theoretical concepts in practical design scenarios. Participants gained experience in developing HDL-based designs, performing simulations, analysing design outputs, identifying errors, and understanding the process of FPGA implementation. This practical exposure helped students improve their problem-solving abilities and develop confidence in working with digital hardware design tools and methodologies.

WORKSHOPS

The programme served as a valuable platform for skill enhancement, industry-oriented learning, and career development in the field of VLSI technology. It helped bridge the gap between classroom learning and practical engineering applications while motivating students to explore career opportunities in VLSI design, FPGA development, digital IC design, and semiconductor technology. Overall, the value-added course contributed significantly to enhancing students' technical knowledge, practical skills, and readiness for future opportunities in the rapidly evolving semiconductor industry.



WORKSHOPS



Our department recently conducted an informative and hands-on workshop on “EDA Tools for Circuit Design” to give students a better

understanding of how electronic circuits are designed and tested using modern software tools. The workshop was planned with the aim of bridging the gap between classroom learning and practical circuit design. Students were introduced to the importance of Electronic Design Automation (EDA) tools in today’s electronics and electrical engineering fields. The sessions focused on how these tools can be used to create circuit schematics, simulate circuit behaviour, identify errors, and analyze the performance of a design before implementing it physically.

One of the most interesting parts of the workshop was the practical demonstrations. Students were able to observe the complete process of designing a circuit



WORKSHOPS

and testing its performance through simulation. This helped them understand concepts that are often difficult to visualize through theory alone. The hands-on activities also encouraged students to experiment with different circuit configurations and learn from their observations.

The workshop created an interactive learning environment where students could freely ask questions, discuss ideas, and clarify their doubts. The participants actively involved themselves in the activities and showed great interest in exploring the features and applications of EDA tools. The practical exposure helped them gain confidence in approaching circuit-design problems in a more systematic way.

Beyond technical knowledge, the workshop also highlighted the importance of accuracy, problem-solving, and logical thinking in circuit design. Students realized how simulation can save time and effort by allowing designers to identify and correct potential issues at an early stage.

Overall, the “EDA Tools for Circuit Design” workshop was a valuable and enriching experience for the students. It provided them with practical exposure, strengthened their understanding of circuit-design concepts, and encouraged them to explore modern design technologies. The session was a meaningful step towards preparing students for industry-oriented learning and future projects in the field of electronics.

The department looks forward to organizing more such interactive workshops and technical sessions that provide students with opportunities to learn, explore, experiment, and grow beyond the classroom.

IETE INAGURATION



The Department of Electronics and Communication Engineering successfully organized the inauguration of the Institution of Electronics and Telecommunication Engineers (IETE) Student Chapter with great enthusiasm and participation from students and faculty members. The event marked an important step towards encouraging students to explore emerging technologies, enhance their technical knowledge, and develop professional skills in the field of Electronics and Communication Engineering. The inauguration was graced by the Head of the Department of Electronics and Communication Engineering, National Engineering College, Kovilpatti, as the esteemed guest

The guest shared valuable insights into the evolving landscape of electronics and communication technologies and emphasized the importance of continuous learning, innovation, practical exposure, and industry-oriented skills for students.

The event provided an inspiring platform for students to understand the significance of professional engineering communities and their role in shaping successful careers. The inauguration concluded on a positive note, motivating students to actively participate in technical activities, workshops, seminars, and innovative projects through the IETE Student Chapter.

STUDENT'S ACHIEVEMENTS

Nimirnthu Nil Hackathon



Innovation, teamwork, and enthusiasm came together as our department students proudly participated in the second round of the “Nimirnthu Nil” Hackathon as Team Techno Biz. Reaching the second round was a proud moment for our department and a reflection of the students’ interest in exploring new ideas and finding creative solutions to real-world challenges.

The hackathon gave our students a chance to step outside the usual classroom environment and put their knowledge into practice. From brainstorming ideas to discussing possible solutions, the team worked together with great enthusiasm. They explored different approaches, faced technical challenges, made improvements, and continuously worked towards developing their solution within the given time.

What made the experience special was the teamwork. Each team member contributed their own ideas and skills, and the discussions helped them look at the problem from different perspectives. Working under the pressure of a hackathon also taught them the importance of time management, communication, quick decision-making, and staying focused when things do not go as planned.

The second round was more than just a competition for our students. It was an opportunity to learn by doing. They gained valuable exposure to the process of turning an idea into a workable solution and understood that innovation often involves trying different approaches, making mistakes, learning from them, and trying again.

STUDENT'S ACHIEVEMENTS

The experience also helped our students build confidence in presenting their ideas and working as a team. The challenges they encountered during the hackathon became valuable learning moments that they can carry forward into their academic projects, future competitions, and professional careers.

The participation of Team Techno Biz in the Nimirnthu Nil Hackathon – Second Round was truly a memorable experience for our department. We are proud of our students for stepping forward, taking up the challenge, and representing our department with enthusiasm and determination.

Their journey reminds us that every competition is not only about winning, but also about learning, growing, collaborating, and having the courage to turn ideas into action. We congratulate Team Techno Biz on their achievement and wish them continued success in all their future endeavours.



STUDENT'S ACHIEVEMENTS



Nimirnthu Nil Hackathon & Industrial Visit to Britannia

The Nimirnthu Nil Hackathon was an exciting platform that brought out the creativity, enthusiasm, and problem-solving abilities of our students. The event encouraged them to look at real-world challenges from a fresh perspective and come up with innovative ideas.

Our students worked together as a team, sharing their thoughts, discussing different possibilities, and developing their ideas step by step. The experience was not always easy, as they had to work within a limited time and overcome various challenges along the way. However, these challenges made the experience even more valuable.

The hackathon taught our students that a good idea often takes several attempts to become a practical solution. They learned to listen to different viewpoints, divide responsibilities, manage their time, and stay focused even when things did not go as expected. The experience also helped them become more confident in presenting their ideas and explaining their solutions.

For our students, the hackathon was much more than a competition. It was a learning journey where they could think, experiment, make mistakes, learn, and try again. The experience encouraged them to believe in their ideas and showed them the importance of teamwork when working towards a common goal.

STUDENT'S ACHIEVEMENTS

Along with the hackathon experience, our department students also had the opportunity to visit Britannia, giving them a closer look at how a large-scale industry functions. The visit was an exciting experience, especially for students who had mostly learned about industrial processes through textbooks and classroom discussions.

During the visit, students were introduced to the different stages involved in the manufacturing process. They gained an understanding of how raw materials are handled, how production is carried out, and how quality and safety are maintained throughout the process. Seeing these operations happening in front of them helped students understand the practical side of concepts they had studied in their academic curriculum.

One of the most interesting aspects of the visit was observing how different departments and teams work together to ensure that the entire process runs smoothly. Students could see the importance of planning, coordination, technology, quality control, safety, and teamwork in a real industrial environment.

The visit also gave students an opportunity to interact, observe, and ask questions. Their curiosity and enthusiasm made the experience more engaging. For many of them, it was a chance to understand what a professional workplace looks like and what is expected from them when they enter the industry in the future.

Both the Nimirnthu Nil Hackathon and the industrial visit to Britannia added a different dimension to our students' learning experience. While the hackathon encouraged them to create and solve, the industrial visit helped them observe and understand.

These experiences reminded our students that learning does not happen only through books and lectures. Sometimes, the best lessons come from working with others, facing challenges, visiting real workplaces, asking questions, and experiencing things firsthand.

STUDENT'S ACHIEVEMENTS

Overall, these activities were memorable and enriching experiences for our department students. They gained new knowledge, developed greater confidence, and created lasting memories with their peers. Most importantly, they returned with a better understanding of how their classroom knowledge can be applied in the real world.

Such initiatives continue to motivate our students to explore, innovate, learn from experience, and prepare themselves for the opportunities and challenges of their future careers.



STUDENT'S ACHIEVEMENTS



Nimirnthu Nil Hackathon Second Round

Our department students proudly took part in the second round of the Nimirnthu Nil Hackathon, marking another exciting step in their journey of innovation and problem-solving. Reaching the second round was a proud moment for our department and reflected the students' enthusiasm, hard work, and willingness to take on new challenges.

The hackathon gave our students an opportunity to move beyond theoretical learning and work on ideas that could address real-world problems. With curiosity and determination, the team members came together to discuss their ideas, identify possible solutions, and improve their approach based on the challenges they encountered.

The second round brought its own set of challenges. Working within a limited time, the students had to make quick decisions, divide responsibilities, test their ideas, and make necessary changes along the way. Instead of seeing difficulties as obstacles, they treated them as opportunities to learn and improve.

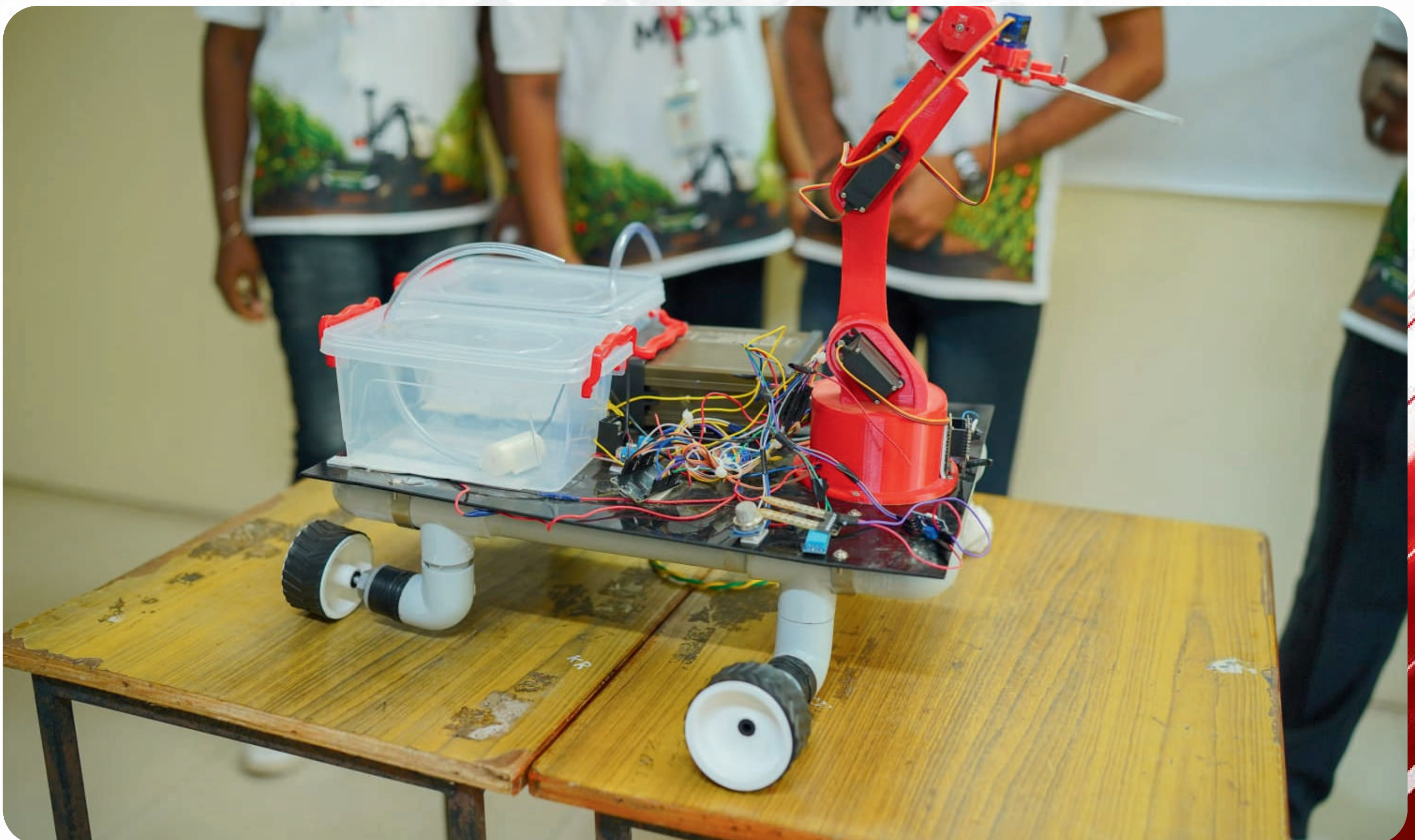
One of the most valuable parts of the experience was the teamwork. Every member contributed ideas and supported one another throughout the process. The discussions, trials, mistakes, and improvements helped the students understand that innovation is not always about getting the perfect answer immediately—it is about trying, learning, adapting, and moving forward.

STUDENT'S ACHIEVEMENTS

Participating in the second round also helped our students develop important skills such as creative thinking, communication, time management, technical problem-solving, and teamwork. Presenting their ideas and explaining their solutions gave them greater confidence and encouraged them to participate in more such technical events in the future.

For our students, the Nimirnthu Nil Hackathon – Second Round was more than just a competition. It was an experience that challenged them to think differently, work together, and believe in their ideas. The journey itself became a valuable lesson that they can carry forward into their academic projects and future careers.

We are proud of our students for taking up the challenge with enthusiasm and determination. Their participation is a wonderful example of how curiosity, teamwork, and the courage to try something new can turn an idea into an exciting learning experience.



STUDENT'S ACHIEVEMENTS



Nimirnthu Nil Hackathon First Round

Our department students enthusiastically participated in the first round of the Nimirnthu Nil Hackathon, taking their first step into an exciting journey of innovation, creativity, and problem-solving. The event provided a great opportunity for our students to move beyond the classroom and explore how their knowledge and ideas could be used to address real-world challenges.

The first round was filled with curiosity and excitement as the students came together to understand the problem, discuss possible ideas, and work towards developing a meaningful solution. They shared their thoughts, explored different approaches, and learned how important it is to work together when solving a challenging problem.

As the students worked through the round, they experienced the real spirit of a hackathon. They had to think creatively, manage their time, communicate clearly, and make decisions within the given time. Every discussion and every attempt helped them learn something new.

The event also gave students the confidence to step forward and present their ideas. They understood that innovation is not simply about having a great idea, but also about being able to develop it, explain it clearly, and improve it based on feedback and challenges.

STUDENT'S ACHIEVEMENTS

For our department students, the Nimirnthu Nil Hackathon – First Round was more than just a competition. It was a chance to experiment, learn from mistakes, work as a team, and discover their own potential. The experience encouraged them to think differently and motivated them to take part in more technical and innovative activities.

Overall, the first round was a memorable and enriching experience for our students. Their enthusiasm, teamwork, and willingness to learn made the event truly special. We are proud of their participation and look forward to seeing them take this experience forward into future competitions and projects.

The hackathon reminded our students of a simple but powerful lesson: every big achievement begins with the courage to take the first step.



STUDENT'S ACHIEVEMENTS



Circuit Debugging Competition

A proud moment for our department as one of our students secured the Second Prize in the Circuit Debugging Competition held at Stella Mary's College. This achievement is a wonderful recognition of the student's technical knowledge, patience, and ability to solve problems under pressure.

The competition challenged participants to identify and correct errors in electronic circuits within a limited amount of time. What may look like a small mistake in a circuit can sometimes be difficult to find, and the participant had to carefully observe the circuit, understand its working, trace the possible fault, and arrive at the right solution.

With a calm approach and strong understanding of circuit concepts, our student took on each challenge with confidence. The competition required not only technical knowledge but also quick thinking, attention to detail, logical reasoning, and accuracy. Every second mattered, making the experience both challenging and exciting.

The journey to the prize was also a valuable learning experience. It provided an opportunity to test classroom concepts in a competitive environment and understand how theoretical knowledge can be applied when solving practical problems. The experience helped build greater confidence and encouraged the participant to approach technical challenges with a positive mindset.

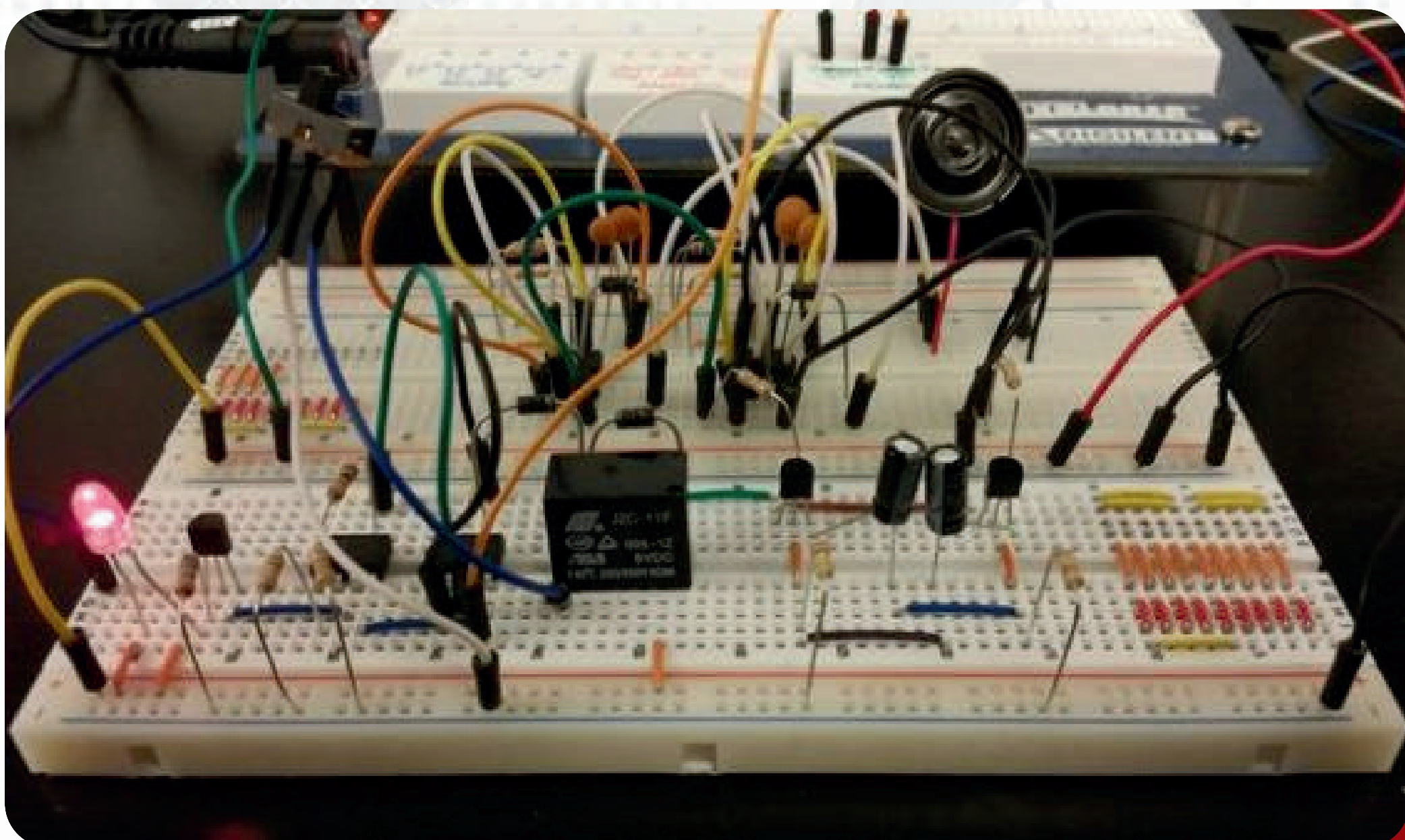
STUDENT'S ACHIEVEMENTS

Winning the Second Prize at Stella Mary's College was a memorable achievement and a proud moment for our department. It reflects the effort and interest shown by our student in developing practical technical skills and exploring opportunities beyond regular academic activities.

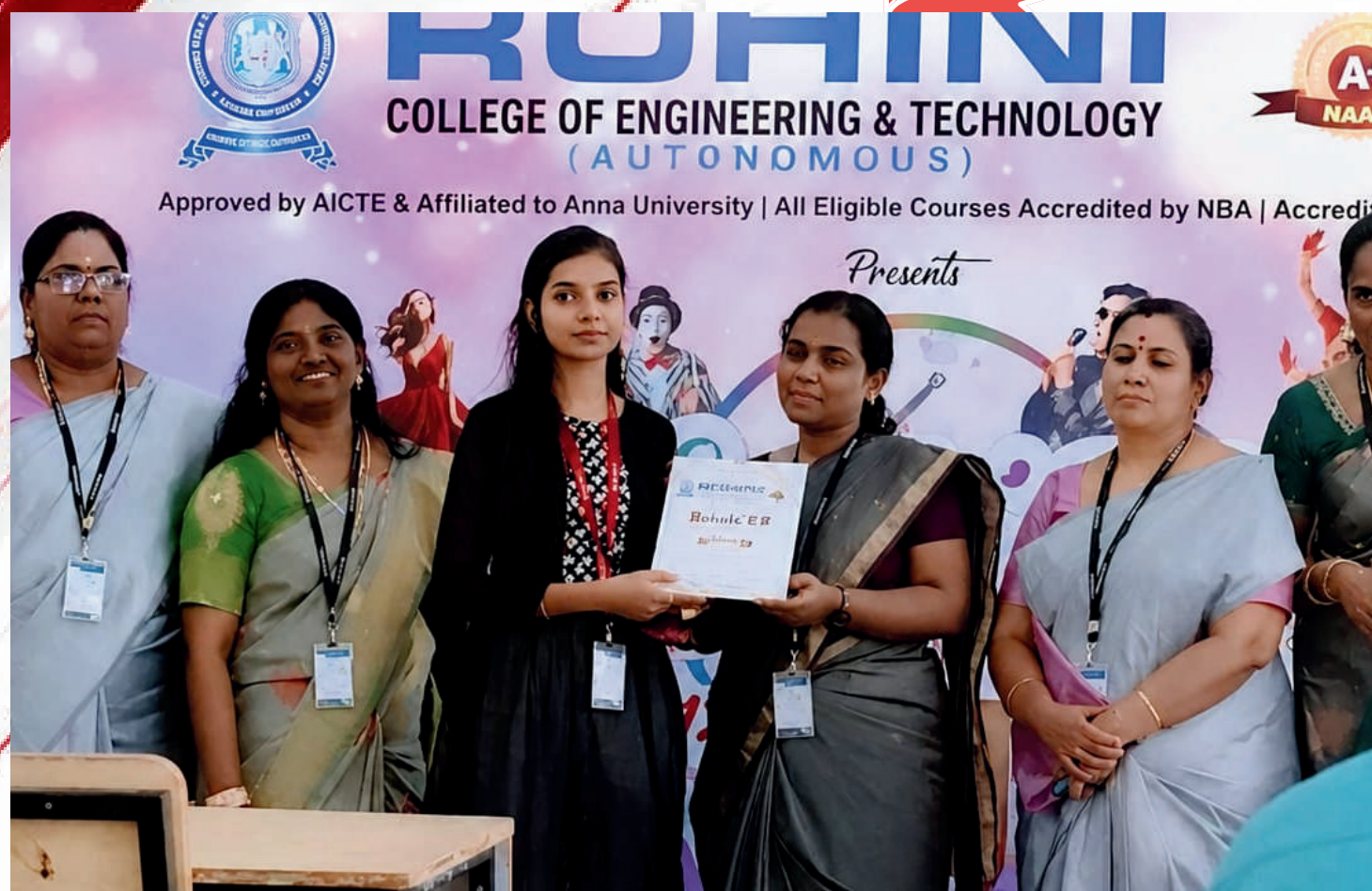
This accomplishment also reminds us that success does not always come from having all the answers immediately. Sometimes, it comes from being patient enough to find the problem, determined enough to keep trying, and confident enough to trust what we have learned.

We warmly congratulate our student on this well-deserved achievement and appreciate the dedication and enthusiasm that made this success possible. We hope this accomplishment inspires the student to take on many more challenges and motivates other students in our department to participate, explore, learn, and believe in their abilities.

A proud achievement for our department and a wonderful step forward in the student's technical journey!



STUDENT'S ACHIEVEMENTS



Tamil Essay Writing

Our department is delighted to share the achievement of one of our students, who secured the Second Prize in the Tamil Essay Writing Competition held as part of Sizzle. This accomplishment is a proud moment for our department and a wonderful recognition of the student's creativity, language skills, and ability to express ideas effectively.

The competition provided a meaningful platform for students to showcase their talent in Tamil and share their thoughts through writing. Essay writing is more than simply writing a few paragraphs—it is about understanding a topic, developing ideas, expressing personal viewpoints, and connecting those thoughts with the reader.

Taking part in the competition, our student approached the topic with enthusiasm and confidence. With carefully chosen words and a thoughtful flow of ideas, the essay reflected the participant's ability to express thoughts in a clear and engaging manner. The effort put into understanding the topic and presenting it creatively played an important role in achieving this recognition.

The experience was also an opportunity to appreciate the richness and beauty of the Tamil language. In a time when students are constantly exposed to technology and digital communication, activities like this remind us of the importance of staying connected with language, literature, culture, and the art of meaningful expression.

STUDENT'S ACHIEVEMENTS

Securing the Second Prize at Sizzle was not only a moment of recognition but also a memorable learning experience. It gave the student greater confidence to participate in literary activities and encouraged them to continue exploring their creative abilities.

This achievement also reminds us that education is not limited to technical knowledge or academic performance. Every student has unique talents, and providing opportunities to explore those talents helps them grow into more confident and well-rounded individuals.

We warmly congratulate our student on this wonderful achievement and appreciate the dedication and interest shown in the competition. We hope this success encourages the student to continue writing, exploring new ideas, and expressing thoughts with the same confidence.

A proud achievement for our department and a beautiful celebration of the student's talent in Tamil!



STUDENT'S ACHIEVEMENTS



Paper Presentation

A proud moment for our department as one of our students secured the First Prize in the Paper Presentation event organized at Mar Ephraem College of Engineering and Technology. The achievement reflects the student's interest in emerging technology, dedication towards learning, and confidence in presenting an innovative idea.

The student presented a paper titled "Hybrid EV with BMS Concept for Electric Energy Generation Using Wheel and Solar Power." The paper focused on an interesting and timely area—finding smarter ways to generate, recover, and utilize energy in electric vehicles.

The proposed concept brought together three important ideas: Battery Management System (BMS), energy recovery from the movement of the vehicle's wheels, and solar power generated through panels integrated into the vehicle. The idea was to explore how these different sources could work together to improve the way energy is managed and utilized in an electric vehicle.

One of the interesting aspects of the presentation was its focus on making better use of energy that might otherwise be lost. The concept explored the possibility of recovering energy from the wheels and supplementing it with solar energy, while using BMS concepts to support effective battery management.

STUDENT'S ACHIEVEMENTS

Through this approach, the paper highlighted possibilities for improving energy efficiency, battery utilization, energy recovery, and sustainable mobility. Preparing for a paper presentation requires more than just having an idea. The student had to understand the topic in depth, study the existing concepts, organize the information, prepare the presentation, and communicate the idea confidently before the judges and audience. The entire process provided a valuable opportunity to learn, research, and look at a real-world problem from an innovative perspective.

The presentation also gave the student a chance to step outside the usual classroom environment and experience the excitement of an inter-collegiate technical event. Presenting an idea among participants from different institutions was itself a valuable learning experience. It helped build confidence and encouraged the student to think more deeply about how classroom concepts can be developed into practical and meaningful ideas.

Winning the First Prize made the experience even more special. It was a moment of happiness and pride for the student, faculty members, and the entire department. The recognition is a reflection of the student's technical understanding, creativity, research interest, presentation ability, and willingness to explore new possibilities. More than the prize, this achievement represents the value of encouraging students to ask questions, explore emerging technologies, and transform their ideas into something meaningful. It also reminds us that innovation often begins with a simple thought—"Can we do this in a better way?"

We warmly congratulate our student on this wonderful achievement and appreciate the effort, curiosity, and determination that made it possible. We hope this success becomes a stepping stone towards many more research projects, technical presentations, and innovative ideas in the future.

A well-deserved First Prize and a proud milestone in our student's journey of innovation and learning!

STUDENT'S ACHIEVEMENTS



Water Energy Harvesting System for Ships

Our students took an exciting step towards innovation by developing a project titled “Water Energy Harvesting System for Ships.” The project began with a simple question: Can the natural movement of water around a moving ship be put to useful work? This thought led the students to explore the possibility of converting the movement of water into electrical energy.

The basic idea behind the project was to make use of the water movement created as a ship travels. The students studied how the flow and movement of water could produce mechanical motion and how this motion could then be converted into electrical energy using a generator. They also looked at how the energy produced could be stored and used for operating small electronic devices.

What made the project particularly interesting was its connection to a real-world environment. Ships constantly move through large bodies of water, and the students wanted to explore whether some of the energy available from this movement could be captured and used rather than simply being lost.

The project allowed the students to move from “learning about a concept” to “thinking about how it could actually be used.” They had to understand the working principle, identify suitable components, think about how the system could be arranged, and consider how the generated energy could be utilized effectively.

STUDENT'S ACHIEVEMENTS

The journey of developing the project was filled with discussions, ideas, questions, and small challenges. The students worked together to understand what would work best and made changes whenever they found something that needed improvement. These experiences helped them understand that project development is not always a straight path. Sometimes, an idea needs to be tested, modified, and tested again before reaching a better solution.

Teamwork played an important role throughout the project. Each student contributed in their own way, whether through researching the concept, studying components, developing the system, preparing the presentation, or explaining the working principle. Working together helped them understand the value of listening to different ideas and sharing responsibilities.

The project also gave students an opportunity to apply concepts related to electrical energy, mechanical motion, generators, energy conversion, and energy storage in a practical setting. Instead of seeing these concepts only as topics in a textbook, they were able to connect them with a situation that exists in the real world.

Another important takeaway from the project was the students' growing awareness of sustainable energy solutions. The project encouraged them to think about how naturally available energy can be explored and used responsibly. Although the project focused on a specific application, the thinking process behind it can inspire students to look for innovative ways to address energy-related challenges in other areas as well.

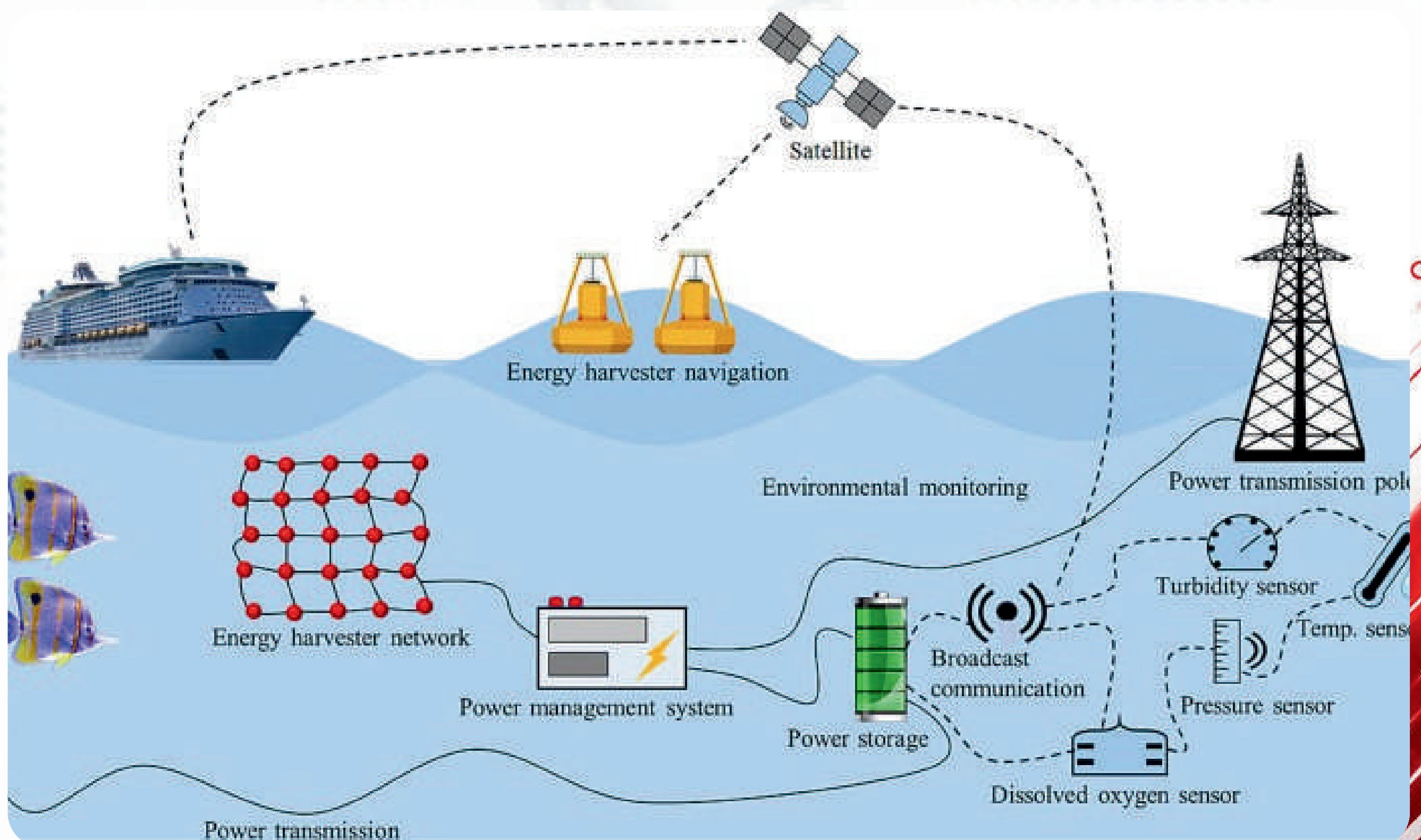
Presenting the project was another valuable part of the experience. The students had to explain their idea clearly, describe how the system works, and answer questions about its possible applications. This helped them improve their communication, presentation, problem-solving, and technical explanation skills.

STUDENT'S ACHIEVEMENTS

More than just a project, the “Water Energy Harvesting System for Ships” became a learning journey for our students. It encouraged them to be curious, ask questions, work together, and explore how scientific and engineering concepts can be transformed into practical ideas.

Overall, the project reflects the spirit of learning by doing. It gave our students the confidence to explore an idea of their own, learn from the challenges they encountered, and think about how simple concepts can be developed into innovative solutions.

From classroom concepts to creative ideas, our students continue to explore, experiment, and learn with a spirit of innovation.



PLACEMENTS



Luxmor AI Technologies Pvt. Ltd.



DEEPA RESHMA T S



SREEJESH S P



e-consystem



NIVETHA M

PLACEMENTS

 **RENAULT NISSAN** Renault Group Chennai Plant



NIRMALKUMAR V



BHARATH R



PUSHPARAJ C



VASINRESH S



Transenergy Pvt Ltd



ATHISH K



ESAKKIPANDIYAN V

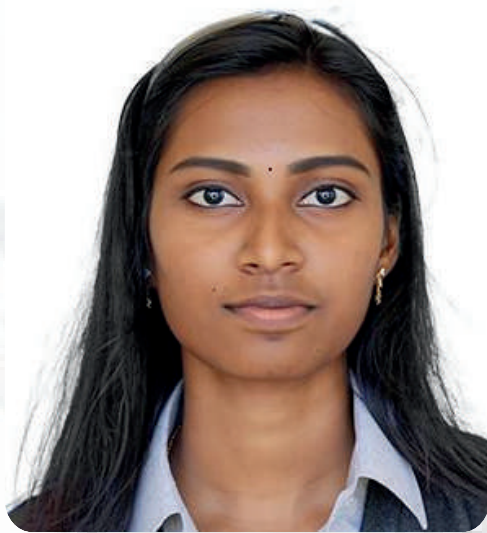


DARUN P

PLACEMENTS



BIBIN RAJ P



HESHMA M I



MEENA M



KRISHNAVENI A



KEERTHIKA S



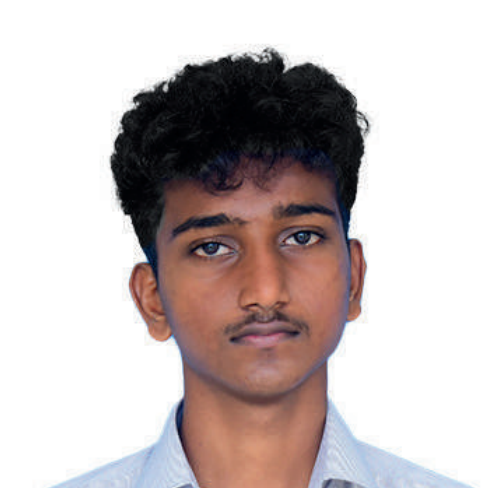
ABINAYA M



ARISH K



ARUL SIVA M



RISHIKESH R V



SHARMI D



**FATHIMA
FARZANA**



RABISHA L

PLACEMENTS

Delphi - TVS
Technologies 

Dolphin Auto Components



GIBIN.L



GEJO J



MAHAPRABHU S



ASWATH KUMAR S


SHRI VAARI
ELECTRICALS
Concept to Commissioning

Shri Vaari Electricals



DHARSHINI M S



NANDHINI S



MEENA M



RISHIKESH R V