



MGR ASSOCIATION FOR GREAT INNOVATIVE CREATORS

Department of Electronics and Communication Engineering

Event Title	ISR event on " Spark your imagination with electronics exploration"		
Objective of Event	The objective of the "Spark Your Imagination with Electronics Exploration" event was to inspire and educate participants, especially students and young professionals, about the creative potential of electronics. By offering hands-on workshops and discussions, the		
Chief Guest /Speaker Details	Mr. N. Lakshmi Narayanan, Assistant Professor, Dr. M. G. R Educational and Research Institute		
Date	24/10/2024	Time	10.00 AM to 04.00 PM
Venue	Outside University	No. of Participants	100

REPORT

TITLE

ISR event on "spark your imagination with electronic exploration"

CONTENT

The Department of Electronics and Communication Engineering in Association with ECOMET organized successfully a One Day Hands-on Workshop on the topic "Spark your Imagination with Electronics Exploration" for School Students as part of Institutional Social Responsibility (ISR) event on 23.12.2024 at Government High School, Nerkundram, Chennai-600107.

This workshop aimed to inspire school students to explore the world of electronics and technology, equipping them with the knowledge and skills necessary to innovate in the field. In alignment with the United Nations Sustainable Development Goals (SDGs), this event focused on empowering students, promoting quality education, and fostering a spirit of creativity and innovation.

The workshop was designed to engage young minds in the exciting world of electronics and to provide hands-on experiences that could ignite their imaginations. It brought the students together from 8th,9th and 10th grades, providing them with an opportunity to explore both the theoretical and practical aspects of electronics, we sought to inspire the next generation of innovators to explore the world of electronics and engineering while also fostering teamwork and problem-solving skills.

The event kickstarted at 1.00pm with the Welcome address presented by the School Head Mistress and the workshop began with an engaging session led by our faculty members Mr.N.Lakshminarayanan and Mr.Jaisankar , introducing the students



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(Deemed to be University)

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to the basics of electronics. Topics covered included the functioning of electrical components like resistors, capacitors, and transistors, as well as how circuits are designed and constructed. One of the key components of the workshop was the hands-on activities, where school students had the opportunity to assemble simple electronic circuits which was supported by our III year and II-year students. With guidance from our facilitators, they learned to create working models, such as light-sensitive circuits, Automatic street light, Temperature controller, Laser alarm, Touch sensor, using IC55 timer led blink and basic motor controllers, giving them a tangible understanding of electronics. We also showcased some exciting demonstrations using Tinker CAD software. These live demonstrations sparked the students' imaginations and allowed them to see the practical applications of the electronics they were learning about. To encourage teamwork and collaboration, we organized small group challenges where students worked together to design and build circuits to solve given problems. This segment helped enhance their problem-solving skills while fostering a sense of camaraderie. Towards the end of the workshop, students had the chance to interact directly with our faculty members and volunteers during an open Q&A session. They asked insightful questions about career opportunities in electronics, the future of technology, and how they could further pursue their interests in STEM (Science, Technology, Engineering, and Mathematics) fields.

The "Spark Your Imagination with Electronics Exploration" workshop successfully achieved its objectives, fostering a deeper understanding of electronics and encouraging young minds to think creatively about technology.

The event was organized by Mrs.S.T.Rama, Mr.Jaisankar, Mr.N.Lakshminarayanan, Assistant Professors and Students from III year and II year of ECE department.

We extend our heartfelt thanks to all the participants, facilitators, and volunteers and faculty members who contributed to the success of this workshop. We also extend our heartfelt thanks to Dr. U. Jayalatsumi, HoD madam and Dr.Sudhaman Sir for their encouragement and support in the successful of this event. The Department thank our Honourable President for his support and all the Executives for their encouragement in organizing this event.

We believe that such initiatives are vital in nurturing the next generation of innovators and engineers, and we are committed to organizing more such workshops in the future to continue inspiring students and creating a positive impact on society.



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EVENT OUTCOME

The "Spark Your Imagination with Electronics Exploration" event was a success, inspiring participants to explore the creative and socially responsible applications of electronics. Through workshops, engaging discussions, and collaborative problem-solving activities, attendees gained practical skills in electronics. The event sparked new ideas, fostered a sense of community, and encouraged participants to think innovatively about using electronics for social good.

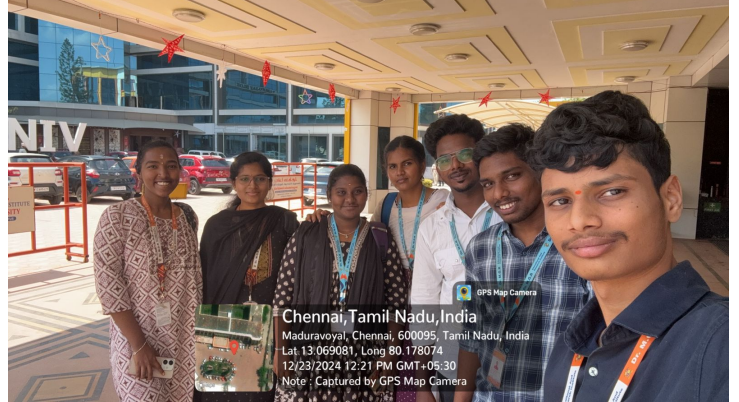
PHOTOS



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Mrs S. T Rama/ Mr.P. Jaisankar