SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)
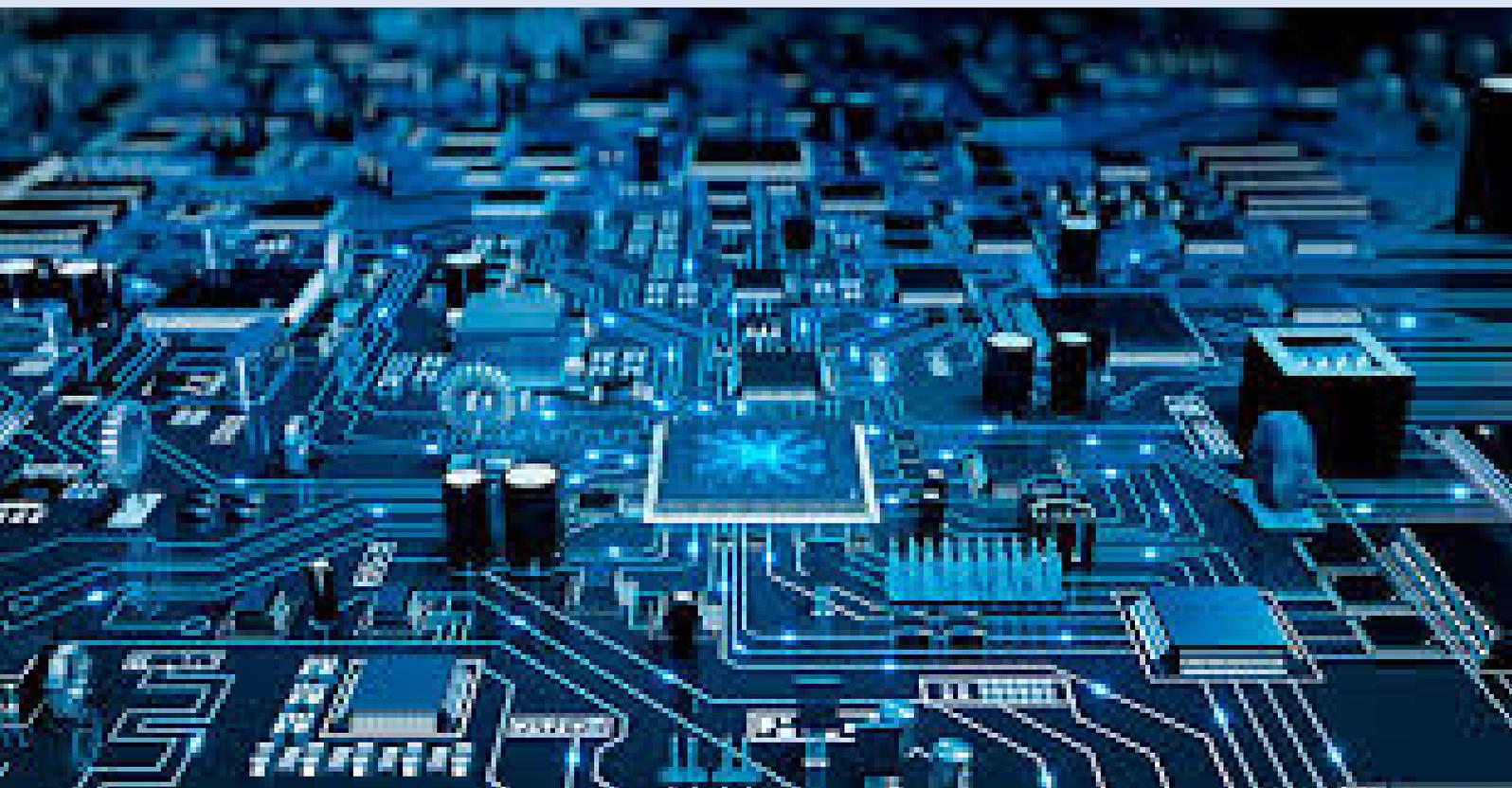
25 YEARS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ELEKTOR CLUB
A Technical endeavor to seek the unknown

ANNUAL REPORT
ACADEMIC YEAR : 2024-2025

Submitted By
Ms.R.Priya
Assistant Professor/ECE
Faculty Coordinator

CONTENTS

PREFACE

 The ELEKTOR Club of the Department of Electronics and Communication Engineering serves as a vibrant and collaborative platform dedicated to promoting interdisciplinary technical learning, innovation, and practical skill development among students. Established in 2013 with the vision of creating a common forum for electronics enthusiasts, the club brings together self-motivated students who actively explore innovative ideas and transform theoretical knowledge into real-world electronic applications. The club is committed to strengthening students' technical competence by integrating concepts from various domains of engineering and technology, thereby preparing them to meet the demands of an increasingly competitive and rapidly evolving technological landscape. Through hands-on training, technical workshops, expert lectures, and project-based learning, the ELEKTOR Club strives to bridge the gap between classroom learning and practical implementation in core electronics and emerging technologies. It provides an encouraging environment where students can experiment, design, and build innovative electronic systems while developing creativity, analytical thinking, and problem-solving abilities. supported by enthusiastic student members and dedicated faculty guidance, the ELEKTOR Club continues to function as a comprehensive resource and knowledge-sharing community for aspiring electronics engineers. By fostering collaboration, innovation, and continuous learning, the club remains committed to shaping technically proficient, socially responsible, and future-ready professionals who can contribute meaningfully to technological progress and societal development.

Submitted By

Ms.R.Priya
Assistant Professor/ECE

HoD/ECE   **IQAC Coordinator**   **Director Cum Principal**
Dr.P.Raja   **Dr.A.A.Arivalagar**   **Dr.V.S.K Venkatachalapathy**

ABOUT THE INSTITUTION

Sri Manakula Vinayaga Educational Trust was founded to provide quality and affordable education to the weaker sections of society. The trust established Sri Manakula Vinayagar Engineering College (SMVEC) in 1999. SMVEC is an autonomous institution affiliated to Pondicherry University. It offers a variety of undergraduate, postgraduate, and research programs in engineering. SMVEC has been accredited by NAAC with "A" grade and NBA. The institution is also accredited by TATA consultancy services. The college has a good placement record with students getting job offers from top companies in India and abroad. SMVEC students have won many awards and accolades for their academic achievements.

Vision

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

Mission

M1: Quality Education : To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.

M2: Research and Innovation : To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship : To inculcate the employability and entrepreneurial skills through value and skill based training.

M4: Ethical Values : To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering is a top-notch department that offers high-quality UG, PG and Ph.D. programs. The UG program B.Tech - Electronics and Communication Engineering is accredited by the National Accreditation Board, AICTE-New Delhi, and has a placement record of over 80%. The department's graduates are highly sought-after by employers in the Electronics and Communication sector. Our department contributes significantly to achieving the national objective of envisioning the world with a clear and deep commitment and a sincere desire to meet the expectations of a rising, fast-developing technology.

Vision

Facilitate academic excellence and research among Electronics and Communication Engineers to meet global needs with high competence and ethical professionalism.

Mission

- **Academic Excellence:** To impart learning skills to meet the global challenges in the field of Electronics and Communication Engineering.

- **Research and Innovation:** To provide excellence in research and innovation through multidisciplinary specialization.

- **Employability and Entrepreneurship:** To enhance inter and intra-personal skills to make them employable and entrepreneurs.

- **Ethics:** To inculcate the significance of human values and professional skills to serve society.

Programs offered

- B.Tech - Electronics and Communication Engineering

- M.Tech - Electronics and Communication Engineering

- M.Tech - VLSI & Embedded Systems

- Ph.D - Electronics and Communication Engineering

Crafting technology. Controlling energy. Creating possibilities

With the motive to provide a common platform for inter disciplinary technical activities of the Department, ELEKTOR Club was launched in 2013. The club consist of self -motivated students who gather together to come up with some innovative ideas and work on them. It aims to technically strengthen the students by integrating their skills in various fields of Engineering and Technology so as to cope up with the highly competitive world. The idea to develop a comprehensive knowledge of electronics and bring about projects based on core electronics gave the initiation to the Club. We strive to teach and help students acquire new skills in an era of rapidly evolving technology.

The club aims to fill in the void of Electronics hobbyists in the institute by providing a platform where the theory learnt in classes can be applied in the real world. The mission of the club is to expose students to challenges and new technologies in the field of electronics and thus to nurture and develop their skill set in this arena. The Elektor Club is designed to be a comprehensive resource and support network for anyone interested in electronics. Elektor club will expose students to new challenges and technologies in the field of electronics and thus to nurture and develop their skills set in this area by offering a wide range of benefits and fostering a collaborative environment, it aims to inspire innovation, learning, and the sharing of knowledge within the electronics community.

Objectives of the Club

- Provide hands-on experience and theoretical knowledge about various aspects of electronics
- To make the students learn and experience electronics, practically
- To provide a platform for students to shape their innovative ideas
- To utilize the latest technological advancements in the field of electronics to build project
- To expose students to the latest technological advancements in electronic

Sharing Knowledge. Connecting Ideas Growing Together

Details of the Office Bearers

The Elektor Club is guided by a committed team of office bearers who play a crucial role in shaping the club's technical vision and activities. The team generally consists of a President, Vice President, Secretary, Treasurer, and Technical Coordinators, each contributing distinct responsibilities and expertise. These leaders organize workshops, manage technical resources, support project development, and mentor fellow students in electronics and emerging technologies. Their coordinated efforts ensure the smooth functioning of the club while promoting innovation, teamwork, and practical learning.

STAFF COORDINATOR

MS.R.PRIYA

**Assistant Professor
ECE**

STUDENT COORDINATORS

MOHAMMED SAJID

**President
III Year**

P R PRAVEEN

**Vice President
II Year**

MOHAN RAJ R

**Secretary
II Year**

RIJUL NAMBIAR

**Technical Head
II Year**

NITHYA SREE

**Creative Head
II Year**

MADHUMITHA M

**Publicity Head
II Year**

Details of Club Activities Conducted

S.no	Title of the Club Activity	Date of Conduction	Year/Sem/Sec	No.of Participants
1	Introduction to Java: The Basics of Object - Oriented Programming	10.08.2024	III / V /C	55
2	Introduction to Reactive Programming Concepts and how Java Supports them with Framework	31.08.2024	II/III/C	54
3	Navigating Your Career Path: Strategies for Effective Career Planning and Development	31.08.2024	III/V/C	61
4	Enhancing fluency in Communication through Verbal Velocity: Just a Minute Session	13.09.2024	I/I/B	54
5	New Innovations in Technology Themed Trivia Quiz	13.09.2024	I/I/D	53
6	Visual Vocabulary Scramble Challenge	14.09.2024	I/I/A	54
7	TechnoMimic: Science and Technology themed Charades	16.09.2024	I/I/C	55
8	Freedom's Canvas: Painting Gandhi's Path to Peace	27.09.2024	I/I/D	54
9	Classic Circuit Sudoku: Focuses on Basic Circuitry	26.10.2024	I/I/C	55
10	Tech Talks: Unlocking the future with semiconductor industry	23.11.2024	I/I/B	54
11	Pathway to professional success: Insights from Trained graduates	28.12.2024	II/IV/C	56
12	Creation of Vision Wall	31.12.2024	II/IV/D	56
13	Building the Web: Introduction to HTML and CSS	01.02.2025	II/IV/D	56
14	Digital Circuitry: Fundamentals of Simulation with Multism	08.02.2025	I/II/B	55
15	Seminar on "Virtual Labs in Electronics: Hands-on Learning Without Hardware	22.02.2025	II/IV/ D	55

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLUB ACTIVITY - 1

Name of The Activity : Introduction to Java Programming:

The Basics of Object- Oriented Programming

Name of the Club : Elektor Club

Number of Members Present : 06

Activity executed (Year /Sem/ Sec) : III/V/C

Objective of the Activity :The primary objectives of the activity include strengthening student's understanding of Java fundamentals, developing practical coding skills, and fostering a collaborative learning environment

Outcome of the Activity : To develop Strong foundation in Java programming, gaining practical coding skills, problem-solving abilities, and experience in creating real-world applications.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya				
Duration & Venue of the Activity					
Date	10.08.2024	**Day**	Saturday	**Duration of Activity**	2 Hours
Details of the Class					
Year	III	**Semester /Section**	V/C	**Total strength of the class**	56

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

Foster Interest in Electronics

The electronics club aims to spark and nurture a genuine interest in electronics and electrical engineering among its members. By engaging in discussions, demonstrations, and activities, the club encourages students to explore the exciting world of electronics, understand its relevance in everyday life, and inspire them to pursue this field further.

Provide Hands-On Experience

One of the key purposes of the club is to give members practical experience with electronic circuits, components, and devices. Through workshops, lab sessions, and DIY projects, students can apply theoretical knowledge, develop essential skills, and gain confidence in working with various electronic tools and equipment.

Encourage Creativity and Innovation

The club promotes a creative and innovative mindset by encouraging members to design and build their own electronic projects. These project-based activities not only enhance problem-solving abilities but also allow students to experiment with new ideas, technologies, and techniques, fostering a spirit of innovation.

Create a Collaborative Environment

Building a strong sense of community is central to the club's mission. The electronics club provides a supportive and collaborative environment where members can share their knowledge, skills, and experiences. Through group projects, peer-to-peer learning, and discussions, students learn the value of teamwork and benefit from diverse perspectives.

Year/Sem/Sec: III /V / C   **Date: 10.08.2024**

Report on Club Activity

"Introduction to Java: The Basics of Object-Oriented Programming"

On August 10, 2024, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity on the title " **Introduction to Java: The Basics of Object-Oriented Programming** " with an initiative to introduce students of Third year C section to essential Java concepts and practical coding skills. The activity took place to introduce the students to the fundamental concepts of Java programming, including its syntax and structure.

The activity began with a brief overview of essential basics of Java and its significance in modern software development. Students were then introduced to Java's syntax and structure, including data types, variables, and operators. The session progressed to control flow concepts such as conditional statements and emphasized importance of Java as a powerful and versatile programming language which widely used across various domains, including web development, mobile applications, and enterprise solutions

A key component of the activity was the hands-on coding exercises, where students had the opportunity to write and debug their own Java code. They worked on practical examples, such as creating a basic application, which helped reinforce their understanding of the material. The interactive nature of these exercises allowed students to see immediate results from their coding efforts and apply what they had learned.

In addition to technical learning, the activity encouraged collaborative problem-solving and peer interaction among the participants. Students worked together to analyze code logic, share solutions, and learn from common mistakes, which enhanced their teamwork and communication skills. This collaborative approach not only improved their understanding of Java programming concepts but also simulated a real-world software development environment, where effective collaboration and continuous learning are essential.

The students had the chance to address specific questions and solve any issues they encountered. The activity included practical exercises where students had the opportunity to write and run simple Java programs. The club members guided participants through these exercises, providing hands-on experience with the Java development environment and debugging techniques. In conclusion, the activity effectively provided a foundation in Java programming and created a productive learning environment for the students

PHOTO GALLERY OF THE CLUB ACTIVITY

Engaging the students in Basic Concepts of Java Programming

Detailing the students about the applications of Java in today's workplace
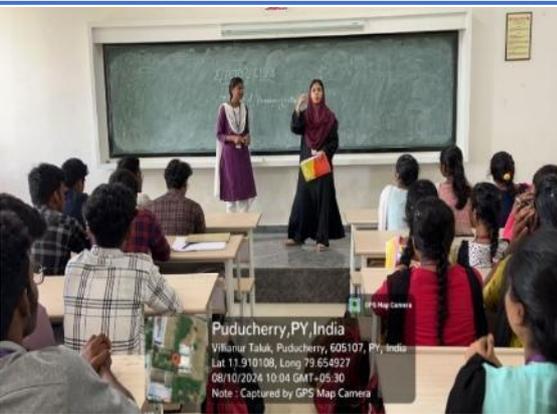
Discussion with the students about the Problem solving in Java

Explanation on the concepts of Object-Oriented Programming in Java

Java syntax and structures being explained to the students during the session

Interaction with students about the Core Java Libraries

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CLUB ACTIVITY - 2

Name of The Activity	:	Introduction to Reactive Programming Concepts and how Java Supports them with framework
Name of the Club	:	Elektor Club
Number of Members Present	:	03
Activity executed (Year /Sem/ Sec)	:	II/III/C
Objective of the Activity	:	The objective of this activity was to introduce students to Know the core concepts of reactive programming and demonstrate how Java frameworks support building scalable, non-blocking applications aiming to provide both theoretical understanding and practical experience in implementing reactive systems.
Outcome of the Activity	:	It developed a grasp of reactive programming concepts and learned how Java frameworks enabling the creation of scalable, non-blocking applications.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya		

Duration & Venue of the Activity					
Date	31.08.2024	**Day**	Saturday	**Duration of Activity**	2 Hours

Details of the Club Members who executed these activities			
S. No	**Year/Sem**	**Sec**	**Name of the Club Members**
.1. 2. 3	III/V	C	Mohammed Sajid.M Muthu Selvan.K Praveen.P.R

Details of the Class					
Year	II	**Semester /Section**	III /C	**Total strength of the class**	54
Number of students Present	52		**No. of Students Absent**		2

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

Foster Interest in Electronics

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Provide Hands-On Experience

One of the key purposes of the club is to give members practical experience with electronic circuits, components, and devices. Through workshops, lab sessions, and DIY projects, students can apply theoretical knowledge, develop essential skills, and gain confidence in working with various electronic tools and equipment.

Encourage Creativity and Innovation

The club promotes a creative and innovative mindset by encouraging members to design and build their own electronic projects. These project-based activities not only enhance problem-solving abilities but also allow students to experiment with new ideas, technologies, and techniques, fostering a spirit of innovation.

Create a Collaborative Environment

Building a strong sense of community is central to the club's mission. The electronics club provides a supportive and collaborative environment where members can share their knowledge, skills, and experiences. Through group projects, peer-to-peer learning, and discussions, students learn the value of teamwork and benefit from diverse perspectives.

Year/Sem/Sec: II / III / C   **Date: 31.08.2024**

Report on Club Activity

"Introduction to Reactive Programming Concepts and how Java Supports them with framework"

On August 31, 2024, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity on the title " **Introduction to Reactive Programming Concepts and how Java Supports them with framework** " to expose students of Second Year C Section to the emerging paradigm of reactive programming and to demonstrate how Java frameworks like Reactor, RxJava, and Spring WebFlux enable the development of reactive systems.

The activity started with a brief introduction to reactive programming, explaining its core principles: responsiveness, resilience, scalability, and message-driven architecture. Participants learned how reactive programming differs from traditional programming models by focusing on asynchronous data streams and non-blocking operations. This approach helps in building applications that efficiently handle multiple concurrent requests, ensuring better performance under heavy workloads.. This specification introduces four essential interfaces: Publisher, Subscriber, Subscription, and Processor.

The session further emphasized the practical advantages of adopting reactive programming in modern software development, particularly in applications requiring high availability and low latency. Through illustrative examples and discussions, students understood how reactive systems can efficiently utilize system resources while maintaining stability during peak loads or partial system failures. The activity also highlighted the relevance of reactive programming in contemporary technologies such as cloud-based applications, event-driven systems, and real-time data processing, thereby reinforcing its importance as a valuable skill for students aspiring to careers in software and system development.

The students were introduced to the flow of data within reactive systems where publishers emit data, subscribers consume data, and subscriptions manage the interaction between the two. The students were encouraged to ask questions and discuss real-world scenarios where reactive programming could be applied, such as handling high-load APIs, streaming services, or building resilient microservices. Overall, the club activity provided an insightful introduction to the world of reactive programming, giving participants both a theoretical foundation and practical experience in building reactive applications with Java
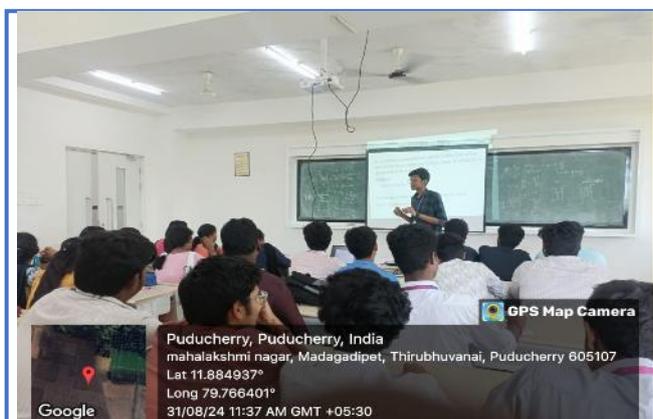
PHOTO GALLERY OF THE CLUB ACTIVITY
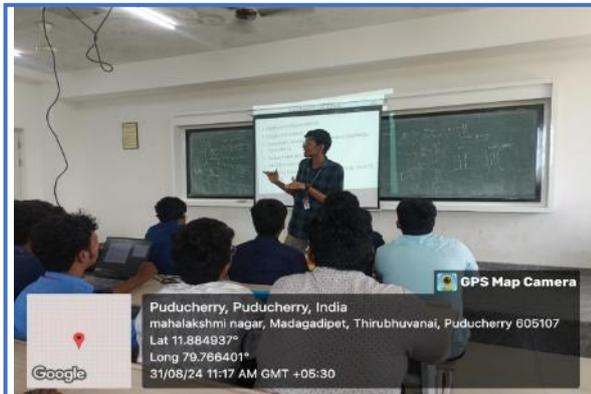
Detailing the students about the about the basics of Reactive Programming

Discussion about the real world applicative of Reactive Programming

Explanantion about the use of frameworks for handling the complex data flow

The concepts of Reactive Streams being explained during the Session

Ineraction with the students about the difference between traditional and Reactive Programming

Explanation about the popular frameworks of Java like Reactor and RxJava

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLUB ACTIVITY - 3

Name of The Activity	: Navigating Your Career Path: Strategies for Effective Career Planning and Development
Name of the Club	: Elektor Club
Number of Members Present	: 02
Activity executed (Year /Sem/ Sec)	: III/V/C
Objective of the Activity	: The activity aimed to equip students with critical skills and insights needed to effectively plan and develop their professional careers in today's dynamic job market.
Outcome of the Activity	: Provided students with actionable strategies for effective career planning, enhancing their self-assessment, goal-setting, and networking skills with understanding of how to navigate their professional paths.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya			
Duration & Venue of the Activity				
Date	31.08.2024	**Day**	Saturday	**Duration of Activity**	2 Hours

Details of the Club Members who executed these activities			
S. No	**Year/Sem**	**Sec**	**Name of the Club Members**
1. 2.	IV/VII	B	Snega.S Subiksha.A

Details of the Class					
Year	III	**Semester /Section**	V/C	**Total strength of the class**	61
Number of students Present		61	**No. of Students Absent**		-

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

Foster Interest in Electronics

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Provide Hands-On Experience

One of the key purposes of the club is to give members practical experience with electronic circuits, components, and devices. Through workshops, lab sessions, and DIY projects, students can apply theoretical knowledge, develop essential skills, and gain confidence in working with various electronic tools and equipment.

Encourage Creativity and Innovation

The club promotes a creative and innovative mindset by encouraging members to design and build their own electronic projects. These project-based activities not only enhance problem-solving abilities but also allow students to experiment with new ideas, technologies, and techniques, fostering a spirit of innovation.

Create a Collaborative Environment

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Year/Sem/Sec: III / V/ C   **Date: 31.08.2024**

Report on Club Activity
"Navigating Your Career Path: Strategies for Effective Career Planning and Development"

On August 31, 2024, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity on the title " **Navigating Your Career Path: Strategies for Effective Career Planning and Development** " with an initiative to equip students of Third year C section with practical strategies for effective career planning and development, helping them identify their strengths, set clear goals, and navigate the evolving job market with confidence.

The activity began with a introductory of importance of proactive career planning for students at every stage of their academic journey. The members discussed how understanding career goals early on provides clarity and confidence as students enter the workforce.It focused on essential strategies for career planning, including the importance of self-assessment, goal-setting, skill development, and the power of networking, highlighting the significance of self-reflection in identifying personal interests, values, and strengths, which are critical for aligning career aspirations with personal and professional growth.

The discussion further focused on the importance of adaptability and self-assessment in long-term career growth. Students were encouraged to periodically evaluate their strengths, skill gaps, and progress toward professional goals in order to make informed career decisions. Emphasis was placed on leveraging available resources such as online learning platforms, certification programs, and professional communities to stay updated with emerging trends.

The members shared key insights on how students can set SMART (Specific, Measurable, Achievable, Relevant, and Time-bound) goals to define clear career objectives and further explained the role of continuous learning in an evolving job market and stressed the importance of cultivating and maintaining a professional network through platforms such as LinkedIn, industry events, and mentorships.

Overall, the session, achieved its goal of empowering students to take control of their career paths with confidence and clarity and facilitating peer-to-peer learning and fostered an atmosphere of collaboration, career management and adaptability to navigate the challenges of a dynamic job market effectively, empowering students to take control of their professional growth and future success.
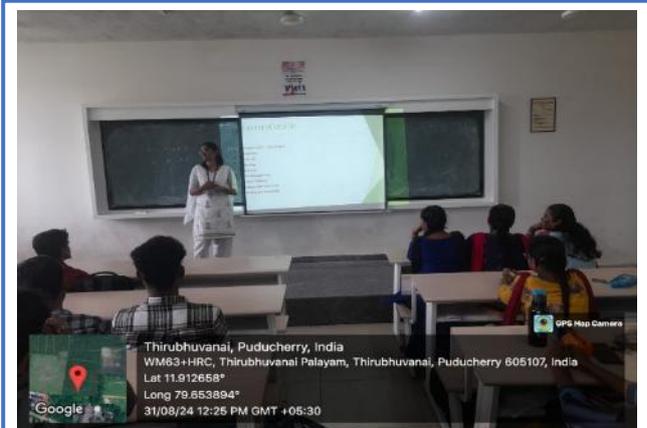
PHOTO GALLERY OF THE CLUB ACTIVITY

Interaction the students about the significance of career planning

Detailing the students about the importance of Self -Assessment during career planning
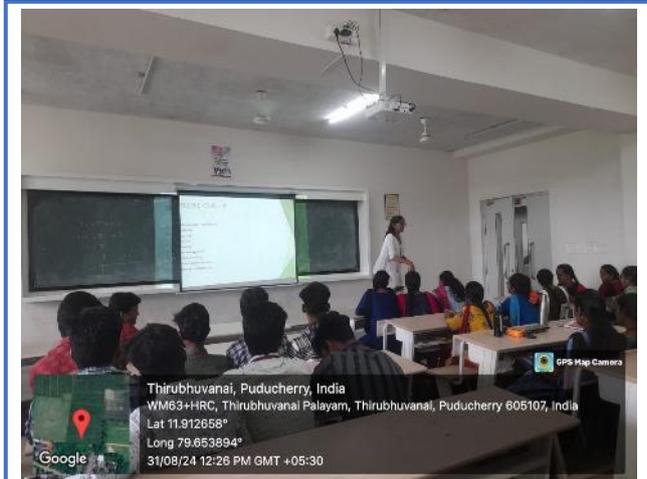

The techniques of setting SMART goals being discussed during the session

Discussion on Important factors of career development like Resilience and Adaptability

Significance of Skill- development for career growth being addressed

Interaction with students about the Networking for career development

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLUB ACTIVITY - 4

Name of The Activity	: Enhancing fluency in Communication through Verbal Velocity: Just a Minute Session
Name of the Club	: Elektor Club
Number of Members Present	: 03
Activity executed (Year /Sem/ Sec)	: I/I/B
Objective of the Activity	: To enhance students communication skills by encouraging them to speak confidently & promotes quick thinking, fluency, and articulation while minimizing hesitation and repetition
Outcome of the Activity	: Improved fluency in speech and enhanced ability to think and articulate ideas quickly under pressure and sldo develop better control over their language, minimizing hesitations and filler words.

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya			

Duration & Venue of the Activity				
Date	13.09.2024	**Day**	Friday	**Duration of Activity**

(Duration of Activity: 1 Hour)

Details of the Club Members who executed these activities			
S. No	**Year/Sem**	**Sec**	**Name of the Club Members**
1.	II/III	D	Mohan Raj
2.			Preethi.K
3.			Anusha.R

Details of the Class					
Year	I	**Semester /Section**	I/B	**Total strength of the class**	54

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

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Encourage Creativity and Innovation
The club promotes a creative and innovative mindset by encouraging members to design and build their own electronic projects. These project-based activities not only enhance problem-solving abilities but also allow students to experiment with new ideas, technologies, and techniques, fostering a spirit of innovation.

Create a Collaborative Environment
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Year/Sem/Sec: I / I / B   **Date: 13.09.2024**

<div align="center">

Report on Club Activity

"Enhancing Fluency in Communication through Verbal Velocity: Just a Minute Session"

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On September 13, 2024, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity as part of Induction Day Programme on the title "**Enhancing Fluency in Communication through Verbal Velocity : Just a Minute Session "** with an initiative to equip students of First Year B section Students with better communication, public speaking, and quick-thinking abilities

In this activity, participants are given a topic on the spot and are required to speak for one minute without hesitation, repetition, or deviation. The challenge lies in delivering a coherent and structured speech within the time limit, while also maintaining fluency and staying on topic. This activity is both enjoyable and intellectually stimulating, as it pushes students out of their comfort zones and encourages them to think and speak on their feet.

The primary objective of the JAM session is to help students improve their spontaneous speaking skills, a valuable asset in both academic and professional settings. It encourages individuals to organize their thoughts quickly and articulate them clearly, enhancing their overall communication abilities. Additionally, it boosts self-confidence, as members are required to speak in front of an audience, helping them become more comfortable with public speaking over time.

Furthermore, the JAM session fostered a supportive and engaging environment where students learned to listen actively and respond thoughtfully to their peers. By observing different speaking styles and perspectives, participants gained insights into effective communication techniques such as tone modulation, body language, and audience engagement.

This activity also promotes creativity and adaptability. Since the topics are often varied and unexpected, participants must draw on their knowledge and creativity to respond effectively. Whether the topic is serious or light-hearted, the JAM session provides an excellent opportunity for members to expand their vocabulary, improve diction, and develop their critical thinking skills. Overall, the session, is a fun and impactful club activity that blends creativity with critical skill development. It provides an enjoyable platform for members to improve their communication skills, boost confidence, and bond with fellow Students in a lively and inclusive atmosphere.

PHOTO GALLERY OF THE CLUB ACTIVITY

Interaction the students about the significance of better communication

Detailing the students about the importance of public speaking

The students discussing on varoius topics during the Just a Minute Session

Discussion on Important factors of good communication like quick-thinking abilities

The techniques of better communication being discussed during the session

Active participation from the students during the session

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLUB ACTIVITY - 5

Name of The Activity	:	New Innovations in Technology Themed Trivia Quiz
Name of the Club	:	Elektor Club
Number of Members Present	:	03
Activity executed (Year /Sem/ Sec)	:	I/I/D
Objective of the Activity	:	To foster a fun and engaging learning environment where variety of topics and to promote healthy competition while developing critical thinking
Outcome of the Activity	:	An increase in participants' general knowledge and confidence in recalling information quickly. It strengthens problem-solving skills and enhances the ability to think under pressure.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya				
Duration & Venue of the Activity					
Date	13.09.2024	**Day**	Friday	**Duration of Activity**	2 Hours
Details of the Club Members who executed these activities					

S. No	Year/Sem	Sec	Name of the Club Members
1.			Mohan Raj
2.	II/III	D	Preethi.K
3.			Anusha.R

Details of the Class					
Year	I	**Semester /Section**	I/D	**Total strength of the class**	53

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The club promotes a creative and innovative mindset by encouraging members to design and build their own electronic projects. These project-based activities not only enhance problem-solving abilities but also allow students to experiment with new ideas, technologies, and techniques, fostering a spirit of innovation.

Create a Collaborative Environment
Building a strong sense of community is central to the club's mission. The electronics club provides a supportive and collaborative environment where members can share their knowledge, skills, and experiences. Through group projects, peer-to-peer learning, and discussions, students learn the value of teamwork and benefit from diverse perspectives.

Year/Sem/Sec: I / I / D   **Date: 13.09.2024**

Report on Club Activity
"New Innovations in Technology Themed Trivia Quiz"

On September 13, 2024, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity as a part of Induction Day Programme   on the title " **New Innovations in Technology Themed Trivia Quiz** " with an initiative to expose the students of First year D section to a wide range of topics and explore new areas of interest and expand their intellectual horizons.

The activity was planned to create a dynamic and intellectually stimulating environment where club members can engage in a fun and competitive learning experience. Aimed at enhancing general knowledge, critical thinking, and teamwork, this activity allows participants to challenge themselves and each other in a variety of topics, ranging from history and science to pop culture and current events. The Trivia Quiz serves not only as an opportunity to test one's knowledge but also as a platform to learn new and interesting facts in a relaxed and enjoyable setting.

The Students not only gain a deeper understanding of various subjects but also improve their confidence in public speaking, as they often present their answers in front of peers. Additionally, the quiz format enhances critical thinking and analytical skills, pushing participants to think logically and make informed decisions under pressure. Over time, this activity helps build stronger friendships within the club and creates a fun, inclusive atmosphere where everyone can contribute and enjoy the shared learning experience.

Moreover, the Trivia Quiz activity encourages active participation and healthy competition, motivating students to stay informed and continuously expand their knowledge beyond the classroom. The collaborative nature of team-based quizzes helps participants develop coordination and decision-making skills while learning to respect diverse viewpoints. By incorporating a wide range of topics and difficulty levels, the activity ensures equal opportunities for all members to participate, making it an effective tool for holistic learning and sustained engagement within the club.

Overall, the Trivia Quiz club activity is an enriching and enjoyable way to blend education with entertainment, making it a favorite among members. It nurtures both intellectual growth and social bonds, ensuring that learning remains an exciting and collaborative process.

PHOTO GALLERY OF THE CLUB ACTIVITY

Interaction the students about the rules of the trivia quiz

Detailing the students about the new technological invention

The Significances of quizzes being explained in the session

Discussion on ways of answering the quizzes being delivered in the session

Significance of active participation being told to students.

Discussion of Answers with the students during the session

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLUB ACTIVITY - 6

Name of The Activity	: Visual Vocabulary Scramble Challenge
Name of the Club	: Elektor Club
Number of Members Present	: 04
Activity executed (Year /Sem/ Sec)	: I / I / A
Objective of the Activity	: To stimulate cognitive skills, such as critical thinking, creativity, and problem-solving. Increase ability to think abstractly, recognize patterns, and make connections between visual and verbal cues
Outcome of the Activity	: Enhanced problem-solving and critical thinking skills. Improve pattern recognition and abstract reasoning abilities. Creativity and lateral thinking are fostered as students think outside the box to interpret symbolic representations.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya			
Duration & Venue of the Activity				
Date	14.09.2024	**Day**	Saturday	**Duration of Activity**	2 Hours

Details of the Club Members who executed these activities

S. No	Year/Sem	Sec	Name of the Club Members
1.			Mohan Raj
2.	II/III	D	Preethi.K
3.			Anusha.R
4.			Swetha.J

Details of the Class

Year	I	Semester /Section	I/D	Total strength of the class	56

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

Foster Interest in Electronics
The electronics club aims to spark and nurture a genuine interest in electronics and electrical engineering among its members. By engaging in discussions, demonstrations, and activities, the club encourages students to explore the exciting world of electronics, understand its relevance in everyday life, and inspire them to pursue this field further.

Provide Hands-On Experience
One of the key purposes of the club is to give members practical experience with electronic circuits, components, and devices. Through workshops, lab sessions, and DIY projects, students can apply theoretical knowledge, develop essential skills, and gain confidence in working with various electronic tools and equipment.

Encourage Creativity and Innovation
The club promotes a creative and innovative mindset by encouraging members to design and build their own electronic projects. These project-based activities not only enhance problem-solving abilities but also allow students to experiment with new ideas, technologies, and techniques, fostering a spirit of innovation.

Create a Collaborative Environment
Building a strong sense of community is central to the club's mission. The electronics club provides a supportive and collaborative environment where members can share their knowledge, skills, and experiences. Through group projects, peer-to-peer learning, and discussions, students learn the value of teamwork and benefit from diverse perspectives.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Year/Sem/Sec: I / I / A   **Date: 15.09.2024**

Report on Club Activity

"Visual vocabulary Scramble Challenge"

On September 14, 2024, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity as a part of Induction Day Programme on the title " **Visual vocabulary Scramble Challenge** " with an initiative to engage the students of First year A section in a fun, intellectual challenge that stimulates both creativity and logical thinking. Rebuses are puzzles that represent words or phrases through a combination of pictures, letters, and symbols.

The aim of this activity was to encourage students to think abstractly, improve problem-solving skills, and enjoy the process of deciphering hidden meanings in everyday symbols.The session began with an introduction to what rebuses are, along with a few simple examples to warm up. The members explained how different images, letters, and numbers can be combined to represent common words, phrases, or idiomatic expressions. After this, participants were divided into small groups and tasked with solving a series of rebus puzzles of varying difficulty levels.

The activity was designed to be interactive and collaborative, with together working together to decode the puzzles. As they decoded each puzzle, participants honed their critical thinking skills, learned to recognize patterns, and strengthened their ability to approach problems from multiple angles. The activity also fostered a sense of teamwork, with participants building on each other's ideas to arrive at creative solutions. The challenge of deciphering the rebuses tested their mental flexibility while keeping the atmosphere light and engaging. As the session progressed, students found themselves increasingly absorbed by the puzzles, experiencing both the satisfaction of solving them and the joy of working together.

Overall, the activity was a, blending fun with learning and leaving participants with enhanced problem-solving skills, a greater appreciation for language, and a sense of accomplishment.

PHOTO GALLERY OF THE CLUB ACTIVITY

Explanation about the ways of answering the Rebuses

Detailing the students about the importance to approach problems from multiple angles

The techniques of solving the visuals being discussed during the session

The students giving creative solutions to the images

The members explaining how different images can be combined to represent words

The members help decoding the each puzzle to the students

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CLUB ACTIVITY - 7

Name of The Activity : TechnoMimic: Science and Technology themed
Charades

Name of the Club : Elektor Club

Number of Members Present : 04

Activity executed (Year /Sem/ Sec) : I/I/C

Objective of the Activity : To promote knowledge of scientific concepts and
technological terms in a fun, interactive way. It
encourages teamwork and collaboration as participants
act out and guess various science-related topics.

Outcome of the Activity : Improved understanding and retention of scientific
concepts and technology terms. Made learning more
engaging and enjoyable, boosting interest in science and
technology,

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya			

Duration & Venue of the Activity				
Date	16.09.2024	**Day**	Monday	**Duration of Activity**	2 Hours

Details of the Club Members who executed these activities			
S. No	**Year/Sem**	**Sec**	**Name of the Club Members**
1. 2. 3. 4.	II/III	D	Mohan Raj Thayanithy.S Madhumitha.M Swetha.J

Details of the Class					
Year	I	**Semester /Section**	I/C	**Total strength of the class**	54
Number of students Present		-	**No. of Students Absent**		-

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

Foster Interest in Electronics

The electronics club aims to spark and nurture a genuine interest in electronics and electrical engineering among its members. By engaging in discussions, demonstrations, and activities, the club encourages students to explore the exciting world of electronics, understand its relevance in everyday life, and inspire them to pursue this field further.

Provide Hands-On Experience

One of the key purposes of the club is to give members practical experience with electronic circuits, components, and devices. Through workshops, lab sessions, and DIY projects, students can apply theoretical knowledge, develop essential skills, and gain confidence in working with various electronic tools and equipment.

Encourage Creativity and Innovation

The club promotes a creative and innovative mindset by encouraging members to design and build their own electronic projects. These project-based activities not only enhance problem-solving abilities but also allow students to experiment with new ideas, technologies, and techniques, fostering a spirit of innovation.

Create a Collaborative Environment

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Year/Sem/Sec: I / I / C   **Date: 16.09.2024**

Report on Club Activity

"TechnoMimic: Science and Technology themed Charades"

On September 16, 2024, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity as part of Induction Day Programme on the title "**TechnoMimic: Science and Technology themed Charades** " with an initiative to engage students of First Year C section Students in an interactive game that would help them become more familiar with scientific concepts and technological terms.

Charades is a well-known game where players act out words or phrases without speaking, while their teammates try to guess what they are portraying. In this special edition, the words and phrases were all related to various fields of science and technology, making it both an educational challenge and a fun way to test and expand knowledge.

The session started with an explanation of the rules, followed by teams being formed. Each team took turns selecting a science or tech-related term from a pool and acting it out for their teammates. The terms ranged from simple, everyday technologies like "smartphone" to more complex scientific concepts like "photosynthesis" or "artificial intelligence." Without using words, participants had to rely on gestures, expressions, and creativity to convey these ideas. As the game progressed, the teams encountered a variety of challenges, including communicating abstract concepts and interpreting creative portrayals, which kept the energy high and the atmosphere lively.

Students not only had fun but also developed a deeper understanding of various scientific and technological topics. It encouraged them to think outside the box and enhanced their ability to simplify complex ideas. The game also fostered teamwork, as players had to collaborate and communicate effectively to guess the correct answers. The need for creative problem-solving sharpened their critical thinking skills, while the competitive yet friendly environment made learning enjoyable. Overall, it blended the excitement of a classic party game with the educational value of science and technology, making it a perfect balance of fun and learning

PHOTO GALLERY OF THE CLUB ACTIVITY

Discussion of the members about the method of playing the Game

The students actively involving in acting out the scientific terms

The members helping out the students in guessing out the Words

The teams trying to figure out the words with the help of hand gestures

The students using gestures as they try to figure out the Terms

Active participation from the students during the session

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CLUB ACTIVITY - 8

Name of The Activity : Freedom's Canvas: Painting Gandhi's Path to Peace

Name of the Club : Elektor Club

Number of Members Present : 04

Activity executed (Year /Sem/ Sec) : I/I/D

Objective of the Activity : The event aimed to celebrate and reflect on the enduring legacy of Gandhi's philosophy of non-violence, peace, and freedom through the powerful medium of art

Outcome of the Activity : The activity resulted in a vibrant collection of thought-provoking artworks that creatively reflected Gandhi's philosophy of peace and non-violence. It fostered a deeper understanding of his values among participants, inspiring meaningful discussions on their relevance today.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya			
Duration & Venue of the Activity				
Date	27.09.2024	**Day**	Saturday	**Duration of Activity**	2 Hours

Details of the Club Members who executed these activities			
S. No	**Year/Sem**	**Sec**	**Name of the Club Members**
1. 2. 3. 4.	II/III	D	Mohan Raj Anusha.R Nithya Shree Swetha.J

Details of the Class					
Year	I	**Semester /Section**	I/D	**Total strength of the class**	54

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

Foster Interest in Electronics
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Create a Collaborative Environment
Building a strong sense of community is central to the club's mission. The electronics club provides a supportive and collaborative environment where members can share their knowledge, skills, and experiences. Through group projects, peer-to-peer learning, and discussions, students learn the value of teamwork and benefit from diverse perspectives.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Year/Sem/Sec: I / I / D   **Date: 27.09.2024**

Report on Report on Club Activity
"Freedom's Canvas: Painting Gandhi's Path to Peace"

On September 27, 2024, the Elektor Club under the aegis of Department of Electronics and Communication Engineering held a club activity for First Year D section Students on the title "**Freedom's Canvas: Painting Gandhi's Path to Peace "** to commemorate the birth anniversary of Mahatma Gandhi. The activity aimed to not only honour Gandhi's life and teachings but also provide a platform for students to express his ideals of non-violence, truth, and peace through the medium of art.

The event aimed to celebrate and reflect on the enduring legacy of Gandhi's philosophy of non-violence, peace, and freedom through the powerful medium of art. It encouraged participants to explore and express their understanding of these ideals visually, fostering a creative dialogue around Gandhi's life and values.

The activity was a unique blend of art and history, where participants were provided with blank canvases and asked to depict their interpretations of Gandhi's principles. The central theme revolved around his commitment to peace, the fight for India's independence, and the relevance of his teachings in today's world. From portraits of Gandhi himself to representations of his iconic instances , the artwork captured diverse perspectives on his enduring message of non-violent resistance and the quest for freedom.

Furthermore, the event provided a platform for students to engage in thoughtful reflection and meaningful discussion about the relevance of Mahatma Gandhi's ideals in the contemporary world. As participants shared and explained their artwork, they gained a deeper appreciation of how non-violence, truth, and ethical leadership continue to inspire social change.

This event also served as an opportunity for students to delve into the broader themes of social justice, equality, and human dignity, all of which Gandhi tirelessly advocated for. By using brushes and colors, participants brought to life the essence of his teachings, creating a collective vision of what peace and freedom meant to them.

PHOTO GALLERY OF THE CLUB ACTIVITY

Students channel Gandhi's message of peace through vibrant strokes

Students paint their interpretations of Gandhi's path to peace.

Visual narratives of Gandhi's journey, painted by students

The students exploring Gandhi's ideals through their artworks

tudents depict the enduring influence of Gandhi's teachings

The students showcasing their artworks at the end of the Contest

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CLUB ACTIVITY - 9

Name of The Activity   : Classic Circuit Sudoku: Focuses on Basic Circuitry

Name of the Club   : Elektor Club

Activity executed (Year /Sem/ Sec) : I/I/C

Objective of the Activity   : To introduce students to foundational circuitry concepts,

such as series and parallel circuits, resistance, current,

and voltage, using an engaging Sudoku-based puzzle

format.

Outcome of the Activity   : Students gain familiarity with key electrical components

such as resistors, capacitors, and LEDs and learn about

their roles within simple circuits and strengthen their

ability to analyze circuit diagrams, interpret schematics,

and understand circuit connections.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator				Ms.R.Priya	
Duration & Venue of the Activity					
Date	26.10.2024	**Day**	Saturday	**Duration of Activity**	2 Hours
Details of the Class					
Year	I	**Semester /Section**	I/C	**Total strength of the class**	55

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

Foster Interest in Electronics
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One of the key purposes of the club is to give members practical experience with electronic circuits, components, and devices. Through workshops, lab sessions, and DIY projects, students can apply theoretical knowledge, develop essential skills, and gain confidence in working with various electronic tools and equipment.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Year/Sem/Sec: I / I / C   **Date: 26.10.2024**

Report on Club Activity
"Classic Circuit Sudoku: Focuses on Basic Circuitry"

On October 26, 2024, the Elektor Club under the aegis of Department of Electronics and Communication Engineering held a club activity for First Year C section Students on the title **"Classic Circuit Sudoku: Focuses on Basic Circuitry "** to offers students an engaging way to learn about basic circuitry concepts by integrating them into a Sudoku-based puzzle format. This unique activity combines logical reasoning, problem-solving, and introductory electronics to create a hands-on experience that is both educational and enjoyable.

Students are introduced to essential concepts such as series and parallel circuits, current, voltage, and resistance, which form the foundation of electrical engineering. By working through a set of puzzles designed to mimic classic Sudoku but with an electrical twist, students apply these concepts in a practical way, reinforcing their understanding of how circuits function.

In each puzzle, components such as resistors, capacitors, and LEDs are represented within the grid, requiring students to complete the puzzle while maintaining circuit rules. This setup encourages them to analyze each component's role and interconnections as they progress through the activity, helping to demystify complex topics within a familiar, game-like structure. The activity enhances students' ability to interpret circuit diagrams, read schematics, and think critically about the flow of electricity through a circuit. As they fill in the puzzle, they learn to recognize patterns, predict outcomes, and make strategic decisions—all skills relevant to both circuitry and broader problem-solving contexts.

Moreover, the puzzle-based learning approach made the activity highly engaging and interactive, allowing students to learn through experimentation and logical reasoning rather than rote memorization. By solving electrical Sudoku puzzles collaboratively, participants improved their teamwork and communication skills while discussing different approaches and validating circuit constraints.

Through this activity, students not only gain a clearer grasp of electrical concepts but also develop valuable skills in precision and attention to detail. Completing the puzzles requires careful analysis and exact placement, reflecting the meticulous nature of real-world circuit work.

PHOTO GALLERY OF THE CLUB ACTIVITY

Students being addressed on ways of Solving the sudoku

Students explore electrical components and circuitry principles.

Students test their knowledge of basic circuitry by solving Sudoku

Explanation on integrating circuit concepts with logical reasoning

Introduction to essential concepts such as series and parallel circuits

Insights on Basic problem solving beings given to students

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLUB ACTIVITY - 10

Name of The Activity : Tech Talks: Unlocking the future with semiconductor industry

Name of the Club : Elektor Club

Activity executed (Year /Sem/ Sec) : I/I /B

Objective of the Activity : To provide insights into the semiconductor industry's impact on technology and explore emerging trends, challenges, and career opportunities in this field.

Outcome of the Activity :Gain of comprehensive understanding of the semiconductor industry's role in modern technology, explored cutting-edge advancements, and connected with industry professionals to discuss career opportunities and industry challenges.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya				
Duration & Venue of the Activity					
Date	23.11.2024	**Day**	Saturday	**Duration of Activity**	2 Hours
Details of the Class					
Year	I	**Semester /Section**	I/B	**Total strength of the class**	55

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

Foster Interest in Electronics

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One of the key purposes of the club is to give members practical experience with electronic circuits, components, and devices. Through workshops, lab sessions, and DIY projects, students can apply theoretical knowledge, develop essential skills, and gain confidence in working with various electronic tools and equipment.

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Create a Collaborative Environment

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Year/Sem/Sec: I / I / B   **Date: 23.11.2024**

Report on Club Activity
"Tech Talks: Unlocking the future with semiconductor industry"

On November 23, 2024, the Elektor Club under the aegis of Department of Electronics and Communication Engineering held a club activity for First Year B Section Students on the title **"Tech Talks: Unlocking the Future with Semiconductor Industry"** was an insightful session that explored the vital role of semiconductors in shaping modern technology. The event brought together technology enthusiasts, industry experts, and students eager to understand the innovations and opportunities within the semiconductor sector.

The session commenced with an overview of the semiconductor industry, highlighting its significance in driving advancements in computing, artificial intelligence, 5G, and the Internet of Things (IoT). Our guest speaker, a seasoned semiconductor professional, provided an in-depth analysis of current trends, challenges, and the future trajectory of this rapidly evolving domain. One of the discussions revolved around Moore's Law, its implications on chip design, and how companies are pushing technological boundaries with smaller, more efficient, and more powerful processors. The talk also covered emerging technologies such as quantum computing, neuromorphic chips, and the role of semiconductor fabrication in enabling next-generation innovations.

The Students had the opportunity to engage in a dynamic Q&A session, where they discussed career prospects, industry disruptions, and the impact of global semiconductor supply chains. The session concluded with an interactive networking segment, allowing attendees to connect with professionals and peers interested in the field.

Through this Tech Talk, the students gained a deeper appreciation of how semiconductors power everything from smartphones to supercomputers, making it an indispensable industry in the digital age. The event successfully ignited curiosity and inspired future engineers and innovators to explore career paths within this critical sector.

Introduction to the Students about the Basics of Semiconductors

Sharing of Key Technologies related to Semiconductors

Emphasizingthe Industrial Trends inlight to Semiconductors.

Explanation on the importance of Moore's Law in Semiconductors

Discussing about the Career Opportunities in Semiconductor Industry

Insights given on New Technological Trends in Semiconductors

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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DETAILS OF CLUB ACTIVITY - 11

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Name of The Activity	: Pathway to professional success: Insights from Trained graduates
Name of the Club	: Elektor Club
Activity executed (Year /Sem/ Sec)	: II/IV/C
Objective of the Activity	: To inspire students by showcasing the experiences of successful graduates, provide actionable strategies for career growth and professional development, andfoster an environment for networking and mentorship opportunities.
Outcome of the Activity	: The activity inspired students with practical knowledge and real-life experiences shared by accomplished alumni. It enhanced understanding of career planning, skill development, and professional growth strategies. The session fostered confidence and provided actionable insights for achieving career goals.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya				
Duration & Venue of the Activity					
Date	28.12.2024	**Day**	Saturday	**Duration of Activity**	2 Hours
Details of the Class					
Year	II	**Semester /Section**	IV/C	**Total strength of the class**	56
PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT					

The Elektor Club is a technical club was started in 2013 with the aim of imparting in depth knowledge ,technical skills and inculcates present practical industry oriented knowledge to the students community of the department .The main purposes of such a club include:

Foster Interest in Electronics
The electronics club aims to spark and nurture a genuine interest in electronics and electrical engineering among its members. By engaging in discussions, demonstrations, and activities, the club encourages students to explore the exciting world of electronics, understand its relevance in everyday life, and inspire them to pursue this field further.

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Year/Sem/Sec: II / IV / C   Date: 28.12.2024

Report on Club Activity
"Pathway to professional success: Insights from Trained graduates"

On December 28, 2024, the Elektor Club under the aegis of Department of Electronics and Communication Engineering held a club activity for Second Year C Section Students on the title **"Pathway to Professional Success: Insights from Trained graduates"** to help students understand the process of transitioning from academic life to the professional world, including the challenges and opportunities that come with this shift**.** They spoke about the critical skills they gained during their time in school and how these skills were essential in making them competitive in the job market. Many emphasized the significance of internships, networking, and extracurricular activities in building a strong foundation for professional success.

As the conversation progressed, the seniors provided insights into the evolving demands of the job market and the growing need for professionals to stay updated with emerging trends and technologies. They encouraged students to develop a mindset of lifelong learning, which is crucial for career advancement. They also highlighted the importance of soft skills such as communication, leadership, and teamwork in professional environments.

The students actively engaged with the seniors through a interactive session, asking about the challenges they faced, how they overcame setbacks, and the key factors that contributed to their professional growth. The event concluded with a networking session, allowing students to connect with and other alumni for further guidance and mentorship.

The session provided students with practical advice and inspiration to embark on their own pathways to professional success. It underscored the value of resilience, skill development, and strategic career planning, leaving students better equipped to navigate the professional world.

In conclusion, "Pathway to Professional Success: Insights from Trained Graduates" was an invaluable experience that offered students both knowledge and motivation, reinforcing the importance of preparation, networking, and continuous personal and professional growth. The event served as a reminder that professional success is a journey that requires dedication, adaptability, and a willingness to learn from both triumphs and challenges.

Engaging the students on navigating professional paths.

Sharing of their experiences, highlighting key moments of their training.

Emphasizing the importance of continuous skill development for career advancement.

Explanation on the importance of adaptability in an ever-changing professional landscape.

Discussing about the importance of Networking for career development

Insights given on ways to develop Soft Skills

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CLUB ACTIVITY - 12

Name of The Activity : Creation of Vision Wall

Name of the Club : Elektor Club

Activity executed (Year /Sem/ Sec) : II/IV/D

Objective of the Activity : The objective of the club activity is to inspire creativity and goal-setting by encouraging students to visually express their aspirations and collective vision. It fosters collaboration, motivation, and a sense of shared purpose within the group and serves as a constant visual reminder to stay focused on personal and collective goals.

Outcome of the Activity : The activity fostered creativity and collaboration among students, encouraging them to visualize and share their personal and collective goals. It enhanced team bonding and motivation by aligning individual aspirations.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya			
Duration & Venue of the Activity				
Date	31.12.2024	**Day**	Tuesday	**Duration of Activity** — 1 Hour
Details of the Class				
Year	II	**Semester /Section**	IV/D	**Total strength of the class** — 56

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Year/Sem/Sec: II / IV / D   **Date: 31.12.2024**

Report on
CLUB ACTIVITY on "Creation of Vision Wall"

On December 31st, 2024, the Elektor Club under the aegis of Department of Electronics and Communication Engineering held a club activity for Second Year D Section Students on the title **"Creation of Vision Wall"** On the eve of the New Year, aimed at motivating students to set clear and meaningful goals for the upcoming year. The event took place in a vibrant and welcoming environment where a large blackboard was transformed into a communal space for reflection and aspiration. Students enthusiastically participated by writing their personal goals, dreams, and resolutions for the New Year on the Vision Wall, turning it into a canvas of diverse ambitions and positive intentions.

The Vision Wall served as a powerful visual representation of collective motivation and personal commitment. It encouraged students to think deeply about their future and take the first step toward achieving their goals by publicly declaring them. This interactive activity not only fostered a sense of accountability but also built a supportive community where students could inspire and motivate one another. To further enhance the experience, students were invited to share their stories behind their goals, fostering deeper connections among peers.

The event also included a talks emphasizing the importance of resilience and perseverance in goal achievement. Additionally, colorful markers and decorative materials were provided, allowing students to creatively express their goals and make the Vision Wall visually captivating. From academic achievements and personal development to health goals and creative pursuits, the board was filled with a wide array of aspirations, reflecting the diverse interests and dreams of the participants.

The event was met with great enthusiasm and left a lasting impact on everyone involved. It successfully created an atmosphere of encouragement and positivity, setting a hopeful and determined tone for the New Year. The "Creation of Vision Wall" activity highlighted the importance of goal-setting and community support in personal growth, making it a memorable and meaningful start to the year for all students.

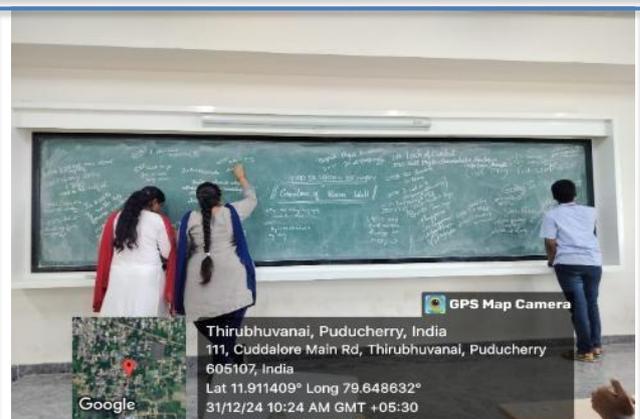## PHOTO GALLERY OF THE CLUB ACTIVITY

Students documenting their goals on the Vision Wall.
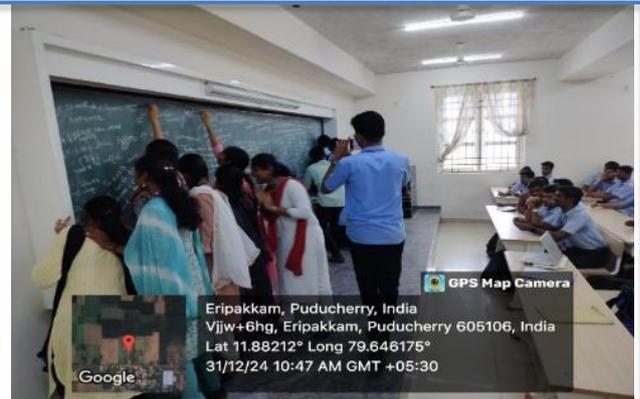
Students outline their objectives on the Vision Wall

Students collaborating to define their goals for the New upcoming Year

Students share their goals during the Vision Wall activity.

Students expressing their goals creatively on the Vision Wall.

Final glimpse of the Vision Wall created by the Students

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DETAILS OF CLUB ACTIVITY - 13

Name of The Activity   : Building the Web: Introduction to HTML and CSS

Name of the Club   : Elektor Club

Activity executed (Year /Sem/ Sec) : II/IV/D

Objective of the Activity   : To introduce participants to the fundamental concepts of

HTML and CSS, providing them with a solid foundation

in web development. Aimed to familiarize them with

essential HTML elements and CSS properties, enabling

them to create visually appealing websites.

Outcome of the Activity   : The activity equipped students with a foundational

understanding of HTML and CSS, enabling them to

create and style basic web pages. The students gained

hands-on experience in structuring content using HTML

and enhancing design with CSS properties.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator				Ms.R.Priya	
Duration & Venue of the Activity					
Date	01.02.2025	**Day**	Saturday	**Duration of Activity**	1 Hour
Details of the Class					
Year	II	**Semester /Section**	IV/D	**Total strength of the class**	56
PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT					

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The club promotes a creative and innovative mindset by encouraging members to design and build their own electronic projects. These project-based activities not only enhance problem-solving abilities but also allow students to experiment with new ideas, technologies, and techniques, fostering a spirit of innovation.

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Year/Sem/Sec: II / IV / D   **Date: 01.02.2025**

Report on Club Activity
"Building the Web: Introduction to HTML and CSS"

On February 01, 2025, the Elektor Club under the aegis of Department of Electronics and Communication Engineering held a club activity for Second Year D Section Students on the title **"Building the Web: Introduction to HTML and CSS"** provided an engaging and hands-on experience for students eager to learn the fundamentals of web development. The workshop aimed to introduce participants to the essential building blocks of web design, empowering them to create their own web pages from scratch.

The session began with an overview of HTML (HyperText Markup Language), explaining its role in structuring web content. The students were guided through key elements such as headings, paragraphs, lists, images, and links, enabling them to craft a basic webpage layout. Practical exercises helped reinforce learning, ensuring that attendees could apply their new knowledge effectively.

Following the HTML introduction, the focus shifted to CSS (Cascading Style Sheets), the language responsible for styling web pages. Attendees explored various CSS properties, including colors, fonts, margins, padding, and layout techniques such as flexbox and grid. Live demonstrations showcased how simple CSS modifications could dramatically enhance a website's appearance and user experience.

The session featured an interactive coding challenge where participants applied their HTML and CSS skills to design a simple webpage. This hands-on approach encouraged creativity and problem-solving, making the learning process both educational and enjoyable.

By the end of the session, the students gained a solid foundation in front-end web development, equipping them with the skills to start building their own websites. The event successfully sparked curiosity and enthusiasm for web technologies, paving the way for more advanced sessions in the future.

PHOTO GALLERY OF THE CLUB ACTIVITY

Introduction to HTML and CSS being given to the students.

Highlighting the Nuances of Web Development to the Students

Discussion about the varous Elements in the Web Development

Explanation on the essential skills to create and design their own web pages.

Discussing about Layouts available in the HTML

Insights given on Interactive stylings methods using Web Development

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DETAILS OF CLUB ACTIVITY - 14

Name of The Activity   : Digital Circuitry: Fundamentals of Simulation with Multism

Name of the Club   : Elektor Club

Number of Members Present   : 04

Activity executed (Year /Sem/ Sec) : I / II / B

Objective of the Activity   : To introduce students to the fundamental concepts of

digital circuit design and simulation using Multisim, a

widely used circuit simulation software. Students will

learn how to create, analyze, and troubleshoot digital

circuits   in   a   virtual   environment,

Outcome of the Activity   : Enable students to develop a strong foundation in

digital electronics, including concepts such as logic

Boolean algebra, combinational and sequential   circuits.

Name of the Staff in-charge/ Program Coordinator				Ms.R.Priya	
Duration & Venue of the Activity					
Date	08.02.2025	**Day**	Saturday	**Duration of Activity**	3 Hours
Details of the Club Members who executed these activities					
S. No	**Year/Sem**		**Sec**	**Name of the Club Members**	
1.	II/IV		D	Mohan Raj	
2.				Madhumitha.M	
3.				Krishna Kumar E.S	
4.				Swetha.J	
Details of the Class					
Year	I	**Semester /Section**	II/B	**Total strength of the class**	55

PURPOSE/DETAILS OF THE CLUB ACTIVITIES & ITS CONTENT

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Year/Sem/Sec: I / II / B   **Date: 08.02.2025**

Report on Report on Club Activity

"Digital Circuitry: Fundamentals of Simulation with Multism"

On February 08, 2025, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity on the title " **Digital Circuitry: Fundamentals of Simulation with Multism"** with an initiative to engage the students of First year B section to provide students with a hands-on learning experience in digital circuit design and simulation. This activity aims to introduce participants to the fundamental concepts of digital electronics while equipping them with practical skills in circuit simulation using Multisim, a widely used tool in academia and industry.

Through this activity, students will explore essential topics such as logic gates, Boolean algebra, combinational and sequential circuits, and digital circuit behavior. They will gain experience in designing, simulating, and analyzing digital circuits using Multisim, which allows for real-time visualization of circuit performance and troubleshooting of design flaws. By working with a simulation-based approach, students can test their designs without the need for physical components, making the learning process more efficient and accessible.

The primary objective of this activity is to bridge the gap between theoretical knowledge and practical application. By engaging in digital circuit simulation, students will develop problem-solving abilities and critical thinking skills necessary for designing optimized and functional circuits. Additionally, troubleshooting techniques will be emphasized to help students identify and rectify errors in their designs.

By the end of the activity, participants will have gained a comprehensive understanding of digital circuit fundamentals, improved their technical proficiency in using Multisim, and be better prepared for real-world applications in electronics and engineering. This activity serves as a stepping stone for students interested in pursuing careers in electrical and electronic engineering, robotics, and embedded systems, providing them with valuable skills that will be useful in both academic and professional settings

Explanation about the Importance of Multism for Circuit Simulation

Detailing the students Basics of Circuit Simulation

The techniques of debugging the circuits being discussed during the session

Discussion about the various other simulation Softwares

The members explaining the placement of Electronic Components in the Layout

Emphasis on troubleshooting and debugging digital circuits

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CLUB ACTIVITY - 15

Name of The Activity   : Seminar on "Virtual Labs in Electronics: Hands-on Learning

  Without Hardware

Name of the Club   : Elektor Club

Number of Members Present   : 01

Activity executed (Year /Sem/ Sec) : II / IV / D

Objective of the Activity   : Aims to introduce participants to the concept of virtual labs and

  their growing significance in electronics education. It focuses on

  enhancing practical learning by demonstrating how virtual

  environments allow students to conduct experiments without the

  need for physical hardware.

 Outcome of the Activity   : Students gained a clear understanding of virtual labs and

  their role in modern electronics education. They will develop the

  ability to conduct hands-on experiments using simulation tools,

  enabling them to apply theoretical concepts in a practical and

  interactive way.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the Staff in-charge/ Program Coordinator	Ms.R.Priya				
Duration & Venue of the Activity					
Date	22.02.2025	**Day**	Saturday	**Duration of Activity**	1 Hour
Details of the Class					
Year	II	**Semester /Section**	IV/D	**Total strength of the class**	55

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Year/Sem/Sec: II / IV / D   **Date: 22.02.2025**

Report on Club Activity

"Virtual Labs in Electronics: Hands-on Learning Without Hardware"

On February 22nd, 2025, the Elektor Club under the siege of Department of Electronics and Communication Engineering held a club activity on the title **"Virtual Labs in Electronics: Hands-on Learning Without Hardware"** The rapid advancements in technology have revolutionized the way education is delivered, particularly in the field of electronics. Traditional electronics laboratories require expensive hardware, maintenance, and physical presence, which can often limit accessibility. To address these challenges, virtual labs have emerged as a powerful alternative, enabling hands-on learning experiences without the need for physical equipment. This seminar on "Virtual Labs in Electronics: Hands-on Learning Without Hardware" aims to explore the potential of virtual lab environments in enhancing electronics education.

The seminar will provide an in-depth understanding of virtual labs, demonstrating how they bridge the gap between theoretical knowledge and practical application. Through interactive sessions, participants will gain exposure to various virtual lab platforms and simulation tools that allow them to conduct real-time experiments, analyze circuits, and test electronic components in a simulated environment. This hands-on experience will equip students, educators, and professionals with the skills needed to adapt to modern learning techniques.

In conclusion, this seminar aims to promote the adoption of virtual labs as an innovative and effective approach to electronics education. By leveraging technology, students and educators can overcome traditional learning barriers and gain practical experience in a more flexible and interactive manner. Through this session, participants will be encouraged to explore new possibilities in learning, research, and innovation using virtual lab technology.
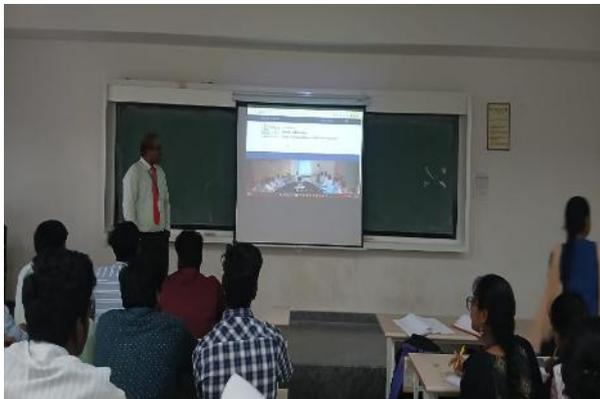
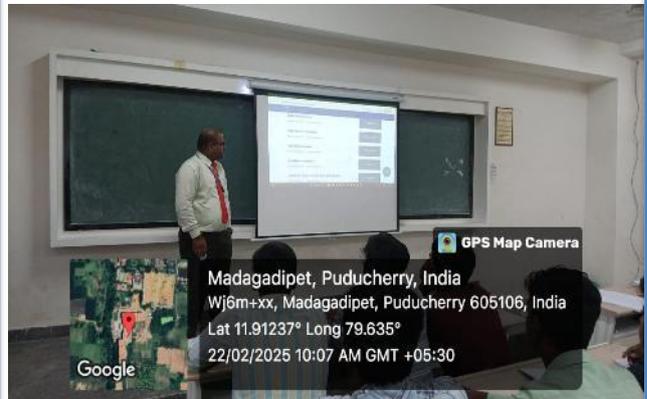## GALLERY OF THE CLUB ACTIVITY

Explanation about the Introduction to Virtual Labs
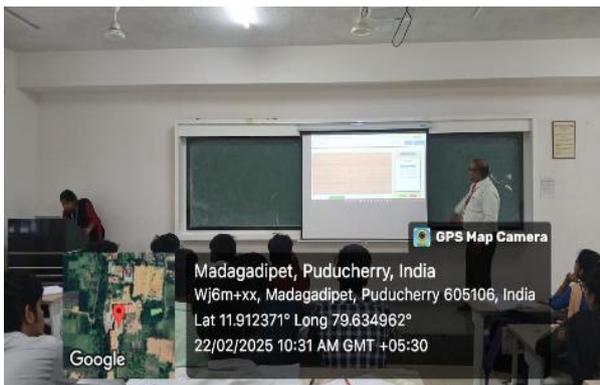

Detailing the students Basics of Simulation Tools

The techniques of Technology Integration during the session

Explanation about the other tools like virtual labs

Discussion about the Importance of Electronics Education

Emphasis on troubleshooting and debugging digital circuits