



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

National Science Day

"AIoT in Action: Practical Applications of AI and IoT Today"

Resource Person

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Venue: Alpha Hall

Date: 03.04.2025

Time: 9.30 AM

Event Id: SEC202504DEC04

Objective of the Event:

To enhance awareness among electronics students about the growing significance of **Artificial Intelligence of Things (AIoT)** by exploring its real-world applications. The event aims to provide insights into how AI and IoT are integrated in modern systems, fostering an understanding of their practical impact across various industries, and inspiring students to explore future opportunities in this emerging field.

About the Event:

In celebration of **National Science Day**, this event titled "**AIoT in Action: Practical Applications of AI and IoT Today**" aims to expose electronics students to the innovative convergence of Artificial Intelligence and the Internet of Things. The program will explore how these technologies are being applied in real-world systems, encouraging students to understand their relevance, challenges, and future potential in modern electronic design and automation. The seminar was arranged in Alpha Hall at 9.30 AM for ECE II- & III-Year students over the count of 130. The events were organized separately for third-year and second-year students, the events emphasized teamwork, critical thinking, and communication. The carefully curated activities provided an excellent platform for participants to challenge themselves, showcase their knowledge, and collaborate with peers in a spirited environment.





Third Year Events: The third-year students began their Science Day experience with a Tech Quiz conducted on the MentiMeter platform. Each class contributed 12 well-framed questions, ensuring a lively and competitive session that tested the participants' grasp on scientific concepts and recent advancements. Following this, the Multi-part Team Challenge unfolded in three engaging segments. The first segment was a Quiz Round, where one team member answered a series of rapid-fire questions. The second member took on the Word Arrangement segment, tasked with sorting items based on specified keywords. The final segment, the Scribble Challenge, tested the third member's creativity through expressive scribbling based on prompts. Teams earned points in each round, with the highest-scoring teams advancing to the finals. Another highlight was the Role-Playing Activity, where students teamed up in pairs to present opposing viewpoints on a given topic. This exercise fostered critical thinking, persuasive speaking, and the ability to analyze and articulate contrasting perspectives effectively.

ROUND-1 (Tech Quiz on MentiMeter)

- A technical quiz based on Science Day themes were conducted using the MentiMeter platform.
- A total of 12 questions were selected from each class, making it competitive and interactive.

ROUND-2 (Multi-part Team Challenge)

- The event was structured into three parts:

Quiz Segment: The first member participated in a rapid-fire quiz.

Word Arrangement: The second member arranged items based on specific keywords.

Scribble Challenge: The third member demonstrated creativity through scribbling.

- Points were awarded for each segment, and the highest-scoring team reached the finals.

ROUND-3 (Role-Playing Activity)

- Pairs of students engaged in role-playing, with one advocating a position and the other opposing.
- This tested their ability to articulate and defend contrasting viewpoints effectively.



Second Year Events: The second-year students also participated in a Tech Quiz on MentiMeter, which mirrored the format of the third-year event and featured questions aligned with Science Day themes. The quiz energized the participants and set a dynamic tone for the day's proceedings. One of the standout activities was the Combined Connection and Group Discussion. In the Connection Round, participants viewed pairs of images and deduced a common linking word, encouraging creative association and lateral thinking. This was followed by a Technical Group Discussion (Tech GD), where four students from each group engaged in a real-time discussion on a technical topic, simulating professional scenarios and promoting effective communication. The final event for the second-year students was the PDF Encryption-Decryption Challenge. In this innovative round, students tackled 30 encryption-decryption based questions. The unique twist was that the answer to each question served as the password to access the next PDF file. This created a continuous, sequential problem-solving experience under time pressure, pushing students to apply logic and precision.

ROUND-1 (Tech Quiz on MentiMeter)

- Similar to the third-year event, this was a Science Day-themed technical quiz.

ROUND-2 (Combined Connection and Group Discussion)

- The event comprised two parts:

Connections: Participants guessed words based on paired images.

Technical Group Discussion: Students engaged in a professional-style discussion.

ROUND-3 (PDF Encryption-Decryption Challenge)

- 30 questions involving encryption and decryption of PDFs were given.
- The answer to each question served as the password for the next PDF

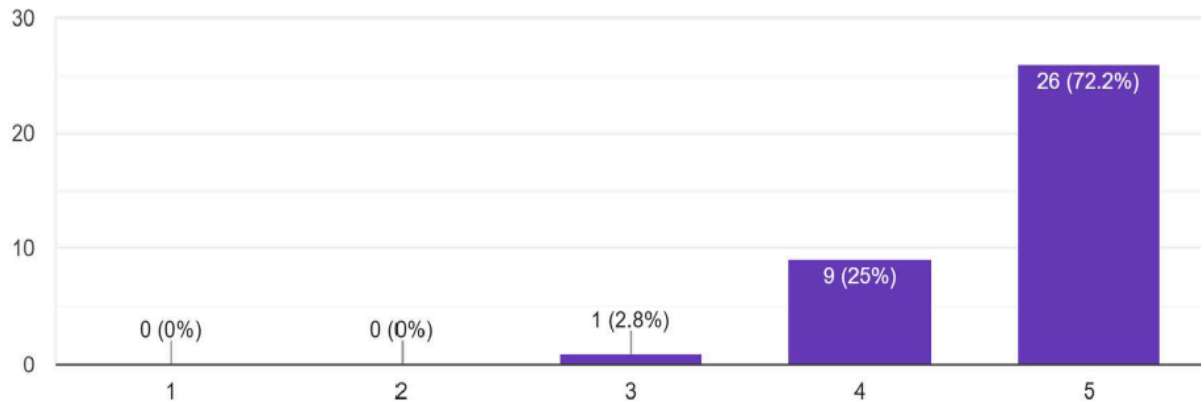




Second year feedback summary

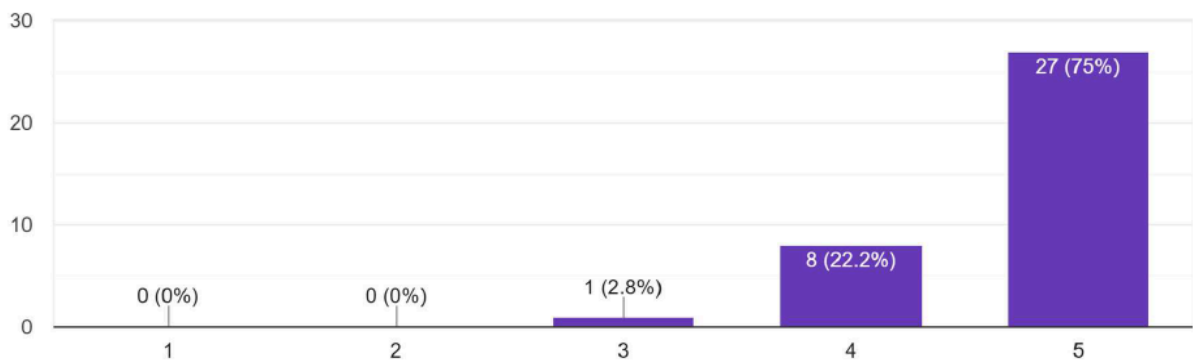
How engaging and interesting did you find the event content ?

36 responses



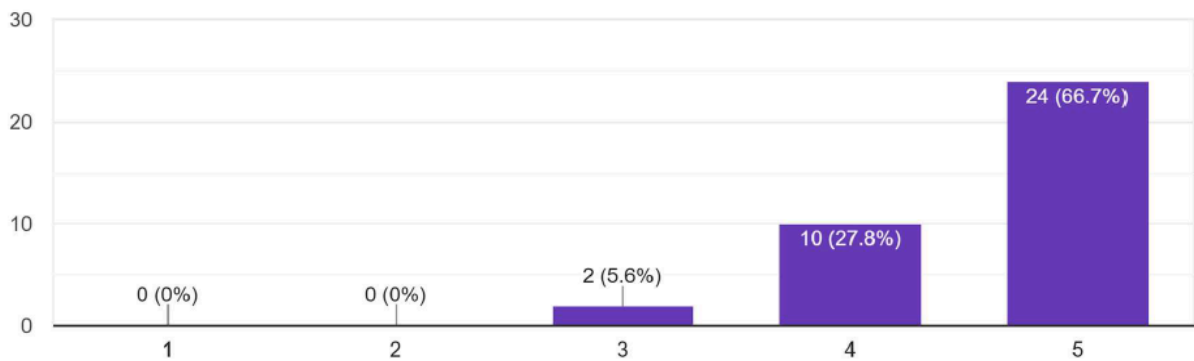
How would you rate the overall quality of the event?

36 responses



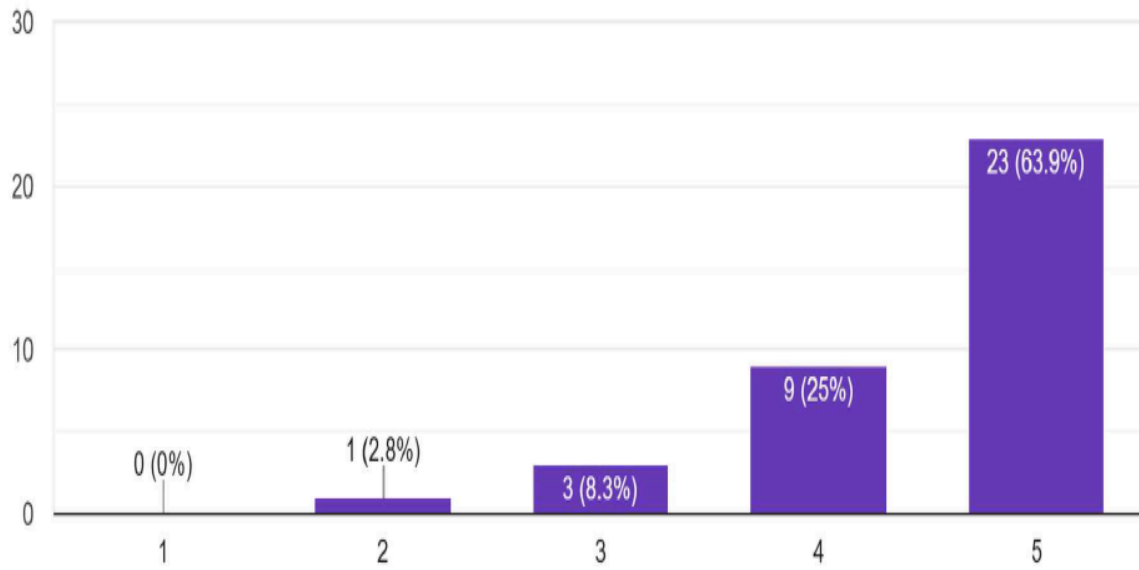
How would you rate the value derived from attending the event ?

36 responses



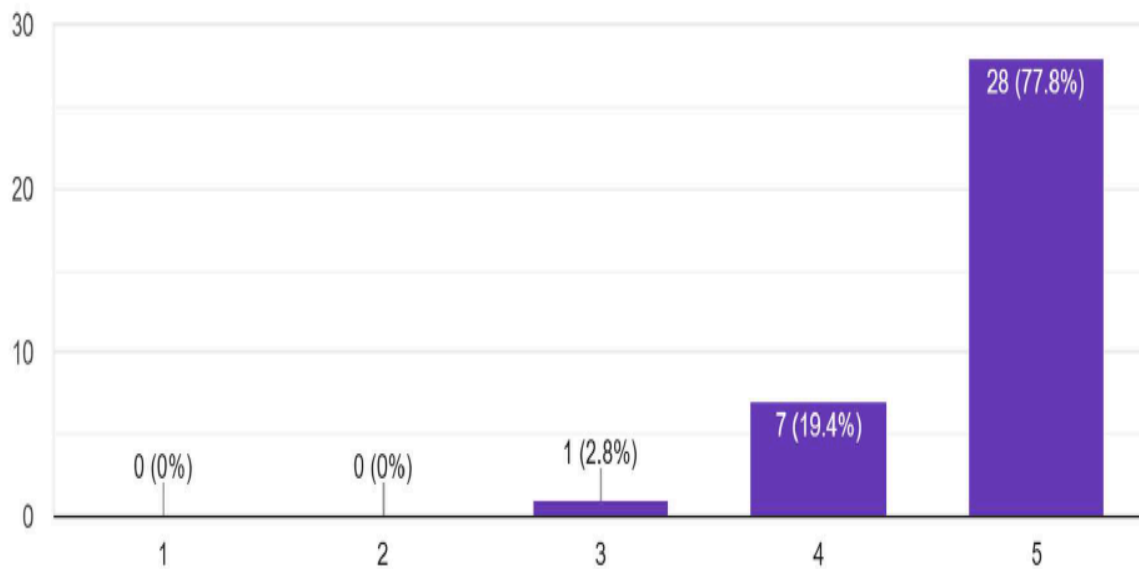
How would you rate the organization of the event ?

36 responses



How likely would you attend similar events in future ?

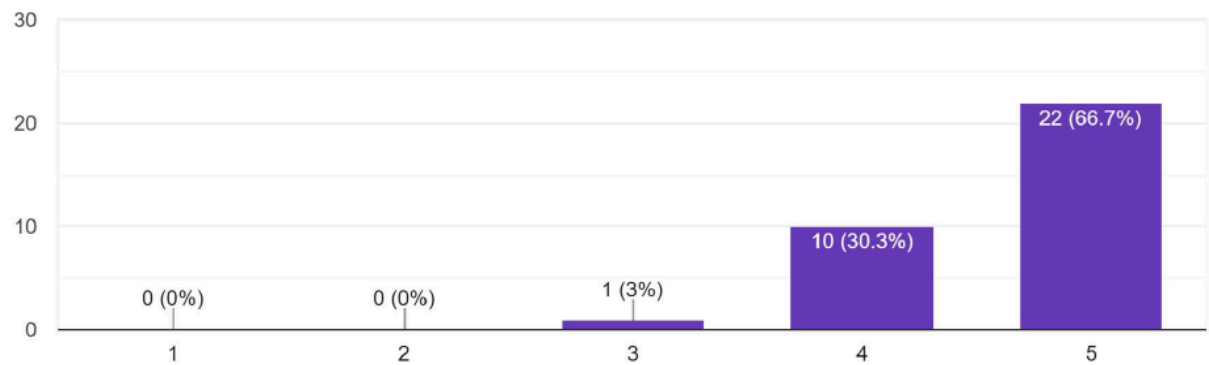
36 responses



Third year feedback summary

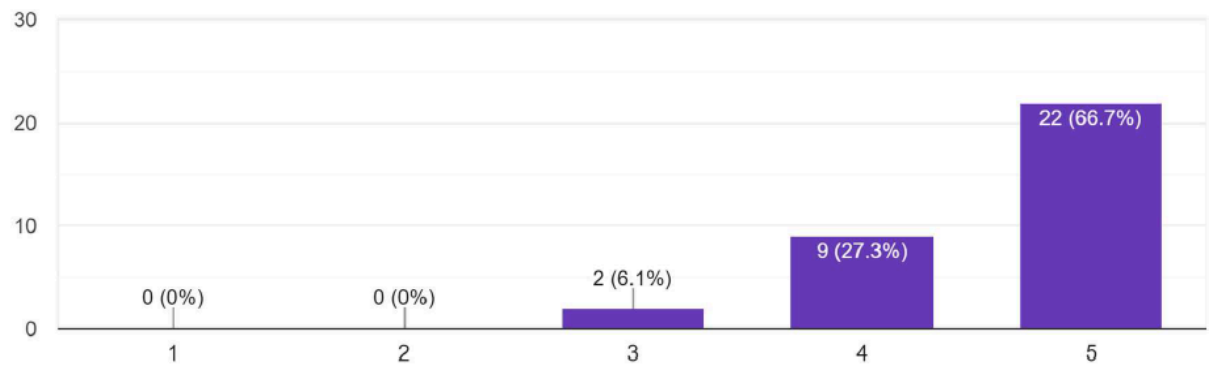
How would you rate the overall quality of the event?

33 responses



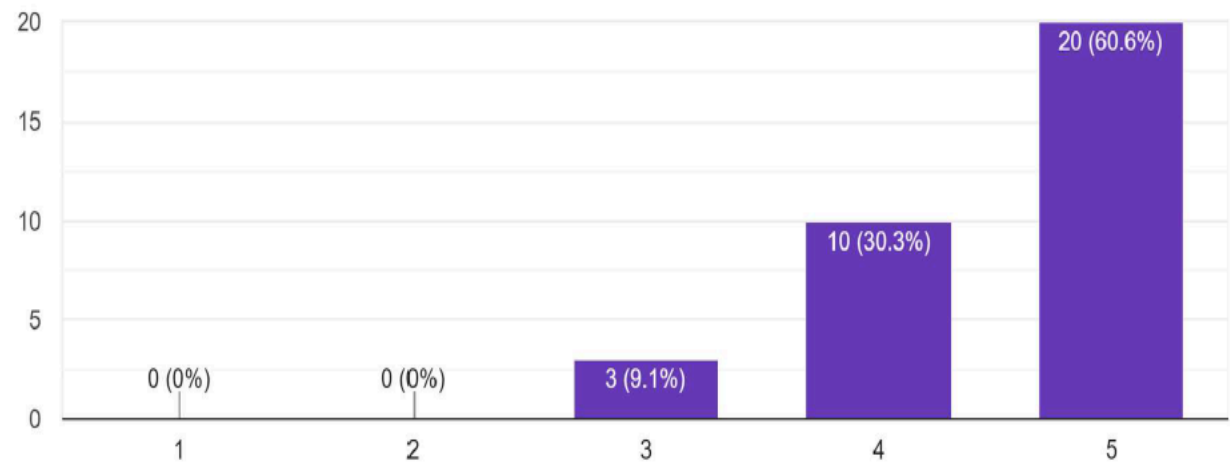
How engaging and interesting did you find the event content ?

33 responses



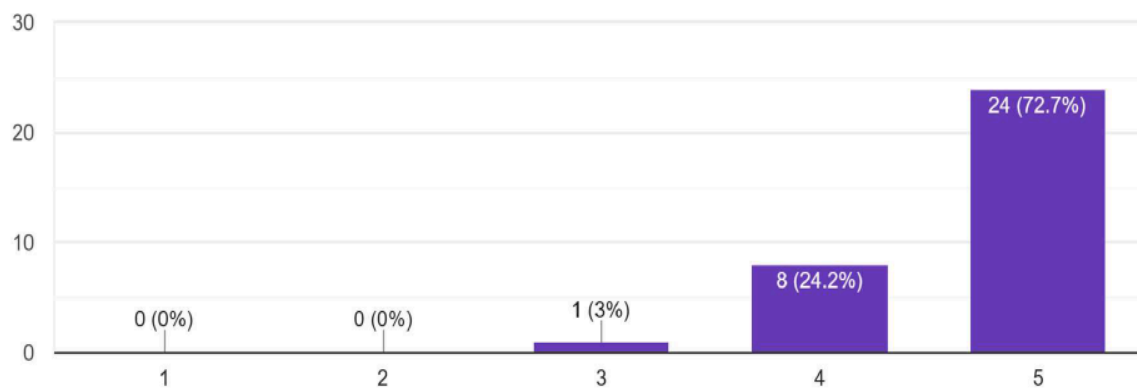
How would you rate the value derived from attending the event ?

33 responses



How would you rate the organization of the event ?

33 responses



How likely would you attend similar events in future ?

33 responses

