COGNIZ 2025

Title of the Event: ALOKA ROBOEXPO 2025

Event Details:

- **Date and Time:** February 21st, 2025, 10:00 AM – 02:00 PM
- **Venue:** Bishop Jerome Institute Kollam
- **Organizers:** Department of Electronics and Communication
- **Target Audience:** Students and Faculty from various Schools.

Objective of the Event:

The event organized as part of Technical Fest, **COGNIZ 2025**, aimed to introduce students to the world of Robotics and instill in them an interest in exploring its impact on various industries. The goal was to inspire school students to consider Science and Engineering related field as a potential career path and provide insights into current trends.

Event Highlights:

- The event began with an introductory speech from Mr. Akhil.
- The event was designed to inspire, educate and provide students a hands-on experience and exposure to cutting-edge robotics technology.
- Mr. Akhil also conducted a live demonstration of Robotic tools, such as:
    - Electric Standing Smart Balance wheels
    - Unmanned Aerial Vehicle commonly known as Drones
    - An exciting Robo-dance show,

  thus engaging the audience and giving an exciting start for the event.

- The event also served as a platform to display various scientific projects and experiments in an interactive and informative manner. This was aimed at promoting scientific curiosity, problem-solving skills, and practical applications of their theoretical knowledge.
- Hands-on demonstrations of a few scientific concepts were set up, such as
    - Center of Mass and Center of Gravity concept

- Bernoulli's Theorem
- Circuit completion based on the logic that Human body is a conductor
- Plasma Ball Light Bulb experiment,

thus making it easier for attendees to grasp complex theories.

- A Q&A session followed, where students actively participated.

Participation and Audience Engagement:

- About 534 students and 19 faculty members from 8 schools attended the Event.
- There was strong engagement during the Q&A, with students asking thoughtful questions and taking part in a Quiz organized thereafter.
- The lists of participants have been attached with this report for the reference.
- Further, the geo-tagged images have also been given at the end of the report.

Outcome and Feedback:

- The event proved to be a great success in terms of student engagement and learning. It encouraged critical thinking, enhanced communication skills, and sparked a deeper interest in scientific research and innovation. Many students expressed their enthusiasm for pursuing careers in research, technology, and innovation.
- Feedback was overwhelmingly positive, with attendees praising Mr. Akhil and the volunteer team for the arrangements made and the interactive nature of the lecture.

Conclusion:

The event was a great success, providing valuable insights into Robotics and Theoretical Science. The Electronics and Communication Engineering department plans to host more such events, lectures and workshops in the future to further enhance students' understanding of emerging technologies.