



**QIS COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

Approved by AICTE | Permanent Affiliation: JNTU-Kakinada | UGC-Recognized

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Ponduru Road, Vengamukkapalem, Ongole, Prakasam (Dt), Andhra Pradesh - 523272

19.02.2025

Report on Conducting an Outreach Program in schools by Engaging active Atal Tinkering Labs and School Innovation Council (SIC)

Title of the Programme	:	Introduction about Internet of things & sensors
Resource Person	:	D. Chaithanya Assistant Professor ECE Department
Date and Time	:	19/02/2025 & 2.00 PM to 5.00 PM
Mode of Session	:	Offline
Meet App	:	NA
Total number of Participants	:	Attended : 200

Brief details of the event:

On Feb 19, 2024, QISCET – MBA department organized Outreach Program by engaging Atal Tinkering Labs and School Innovation Council (SIC) at PAPA Rao High School, Uppalapadu, Prakasam District.

Response of the audience: The audience responded enthusiastically to involve in the IOT subject organized by QISCET- MBA. They showed keen interest in the exhibited by the students' batch, actively engaging with the presenters and asking insightful questions. The live demonstrations were particularly well-received, with many audience members expressing admiration for the creativity and innovation displayed by the participants. Overall, the audience left the event inspired and impressed by the student's response and their potential impact.

Faculty Coordinator Name & Email ID: Dr.B.Dharani

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Learning Outcomes:

By the Internet of Things (IoT), students gained a comprehensive understanding of IoT architecture, communication protocols, and data management techniques. They learned how to integrate sensors, actuators, and embedded systems to develop smart applications. The course enhanced their skills in cloud computing, edge computing, and cybersecurity, ensuring secure and efficient IoT deployments. Additionally, students acquired hands-on experience in designing and implementing IoT solutions for real-world problems in domains like healthcare, agriculture, smart cities, and industrial automation. By the end of the course, they were proficient in developing



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innovative IoT-based systems, analyzing sensor data, and optimizing network performance for enhanced connectivity and automation.

Expert Narration:

Dr. N. Janardhana Rao inaugurated the event and introduced QIS College, emphasizing its vision and significance. His presence underscored the importance of the occasion, inspiring participants to showcase their knowledge, pride, and enthusiasm.

Mr. D. Chaitanya, Assistant Professor, conducted a tour of the tools, engaging with students and gaining insights into their innovative creations. A palpable sense of excitement filled the air as he interacted with the students, encouraging them and highlighting the significance of such initiatives in fostering creativity and innovation. The event provided a platform for students to demonstrate their skills and ingenuity while also offering them an opportunity to expand their knowledge.

The Internet of Things (IoT) connects everyday devices to the internet, enabling them to collect and share data. Sensors play a crucial role in IoT by detecting factors such as temperature, motion, light, and pressure. These sensors convert real-world information into digital signals, which are then processed and transmitted to other devices. IoT utilizes technologies like Wi-Fi, Bluetooth, and cloud computing to enhance system intelligence and efficiency. It is widely applied in smart homes, healthcare, agriculture, and industries to improve automation and decision-making. As IoT continues to advance, sensors and smart devices are becoming more sophisticated, making our world increasingly connected and intelligent.

Mr. D. Chaitanya's participation added prestige to the event. At the conclusion, he engaged the students by asking thought-provoking questions and awarding gifts to the best performers. D. Hanuma Reddy and S. Sirisha also participated in the event, providing support from the department and encouraging the students.



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Event Photos:



Date: 19/02/2025

Place: Ongole

Dr. B. Dharani

Event Coordinator