UNLOCKING IOT: FROM CONCEPT TO CREATION SESSION REPORT

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Hosted By :- ICSB CLUB
Department:- CSE (IoT & cyber security including Blockchain)

Report on IoT Session: "Unlocking IoT: From Concept to Creation"

The ICSB Club of the Department of CSE (IoT & cyber security including Blockchain Technology),successfully hosted an insightful session titled "Unlocking IoT: From Concept to Creation" on Friday, 13th September 2024, from 2 PM to 4 PM. The session aimed to familiarize students with IoT concepts, practical applications, and how they can explore project ideas and internships in this field.

Session Overview:

The event was led by Ms. Fathimath Fidhana, Ms. Manasa R Chouta, Ms. Sandhya, and Ms. Pallavi, who brought their knowledge and practical experience in IoT to the session. Key takeaways from the session included:

1. Introduction to IoT:

A thorough introduction to the Internet of Things (IoT), explaining its significance, key principles, and real-world applications in various industries.

2. Project Implementation in IoT:

Practical advice on implementing IoT-based projects, with an emphasis on hardware selection, software integration, and how to approach a project from start to finish.

3. Demonstration of IoT Projects:

A live demonstration of an IoT project built by the speakers, providing attendees with valuable insights into the development and execution process.

4. Research in IoT Projects:

Tips on how to research IoT project ideas using platforms like IEEE Xplore, Sci-Hub, and Google Scholar to find scholarly articles and materials.

5. Components and Datasheets from Robokits:

The session included a segment on how to source components from Robokits, along with the importance of understanding datasheets for selecting and using the right hardware.

6. Explanation of Hardware and IoT Devices:

An explanation of various hardware components commonly used in IoT, including sensors and controllers, and how to effectively integrate them into projects.

7. How to Secure Internships in IoT:

The speakers shared their experiences and tips on how to secure internships in the IoT field, focusing on networking

8. Experience in ACCS Design Challenge (ADC):

A significant portion of the session focused on the speakers' participation in the ACCS Design Challenge (ADC), which highlighted real-world problem-solving using IoT. They shared their project ideas, challenges faced, and how the competition pushed them to think creatively while leveraging their technical skills in IoT. Students were encouraged to participate in similar challenges to boost their practical experience.

Ullal, KA, India
Nadupadavu Road, Kairangale Village, Ullal, 574199, KA, India
Lat 12.806833, Long 74.932103
09/13/2024 02:36 PM GMT+05:30
Note : Captured by GPS Map Camera

9. Quiz and Interactive Session:

A quiz was conducted to ensure active participation, allowing students to apply what they had learned during the session.

Event Coordination:

The session was hosted by Ms. Ayesha Ameera, who ensured smooth facilitation of the event. Dr. Shamna N V, HOD of CSE (IoT & cyber security including Blockchain) , along with staff coordinators Prof. Afeefa Nazneen and Ms. Meghashree, provided invaluable support and encouragement to the students.

The student coordinators, Mr. Muhammad Haashid, Mr. Muhammed Zayan Sameer, Mr. Vineeth S.N , Mr. Jishnu JP, Mr. Jabir Ali Usman M, and Mr. Mhohmmed Raafi, played an essential role in organizing the session and ensuring its success.

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Conclusion:

This session gave students a well-rounded understanding of IoT, with insights into practical project development, research methods, and real-world competition experiences such as the ACCS Design Challenge (ADC). The collaborative efforts of the ICSB Club, the speakers, and the faculty members made this session a rewarding and enriching experience for all participants.