AquaQuest: Innovation for Water and Climate

Hosted by IEEE SIGHT ISI, IEEE IAS ISI SBC, and IEEE RAS ISI SBC, AquaQuest was a groundbreaking event that tackled two of the world's most pressing challenges: water scarcity and climate change. Through a Bootcamp and a Hackathon, participants explored cutting-edge IoT, embedded systems, and sustainability solutions to drive innovation for a more sustainable future.

Event Highlights

Bootcamp: Hands-On Learning for a Greener Tomorrow

Participants engaged in practical sessions led by industry experts, equipping them with skills to develop IoT-based solutions for water conservation and climate resilience. The Bootcamp featured:

● Embedded Systems Unplugged: A hands-on introduction to embedded systems and their applications.
● IoT 101: Getting Started with Connectivity: Exploring the foundations of the Internet of Things and how connected devices can drive sustainability.
● Hardware Security: Understanding the importance of securing IoT and embedded devices.
● Introduction to Modeling & Design of Wireless Communication & Devices: Learning about wireless communication technologies crucial for smart water solutions.

Hackathon: Turning Ideas into Impact

With mentorship from experts, teams developed innovative solutions to address water and climate challenges. The competition saw groundbreaking ideas like:

- Smart irrigation systems for efficient water use
- Predictive water conservation tools leveraging IoT and AI
- Real-time monitoring solutions for sustainable water management

Why AquaQuest Mattered

✔ Expert Mentorship from leaders in IoT, sustainability, and embedded systems
✔ Networking with like-minded innovators and professionals
✔ Recognition & Prizes for outstanding projects shaping the future of climate tech