Event Report: Developing IoT Solutions with Azure IoT

Date : 3rd April 2023
Guest: Prabath Mannapperuma (Regional Partner Technology Strategist - Microsoft),
Shameera Prajapriya (CEO & Principal Architect - Impact IT)
Organized By Circuitology Club

The "Developing IoT Solutions with Azure IoT" event explored the capabilities of Microsoft Azure IoT services in building scalable and efficient IoT solutions. The session aimed to provide attendees with insights into connecting, monitoring, and managing IoT devices using Azure's ecosystem.

OBJECTIVE

The primary objectives of the event were to introduce fundamental concepts of IoT and its applications, provide hands-on experience with Azure IoT services, demonstrate real-world use cases, and enable participants to deploy and manage IoT devices through Azure. The agenda covered various topics, including an introduction to IoT and its impact on industries, an overview of Microsoft Azure IoT Hub and its components, connecting and managing IoT devices with Azure IoT Edge, data ingestion, processing, and visualization using Azure services, a hands-on workshop on deploying an IoT solution on Azure, followed by a Q&A session and networking.

Outcomes

- **PO1 (Engineering Knowledge):** Participants apply fundamental engineering and cloud computing concepts to understand and implement Azure IoT solutions.
- **PO2 (Problem Analysis):** The activity involves analyzing IoT-based challenges, such as device connectivity, data security, and real-time monitoring, to develop optimized solutions.
- **PO3 (Design/Development of Solutions):** Participants design and implement IoT applications using Azure services, ensuring scalability, security, and efficiency.
- **PO12 (Life-long Learning):** As cloud-based IoT technologies continue to evolve, this activity encourages continuous learning and adaptation to emerging tools and platforms.

- **PSO2:** The activity enhances participants' expertise in cloud computing, IoT, and security, enabling them to develop and deploy industry-relevant solutions using Azure IoT.

Key Highlight

Key highlights of the event included a keynote session on the significance of IoT in modern applications, a live demonstration on connecting IoT devices to Azure IoT Hub, and engaging hands-on exercises using Azure IoT tools and services. Participants also explored case studies highlighting the use of Azure IoT in smart cities, healthcare, and industrial automation.

Outcome

The outcomes and learnings from the event were highly positive. Attendees gained practical experience working with Azure IoT solutions and enhanced their understanding of Azure IoT Hub, Device Twins, and IoT Edge. Participants successfully deployed a sample IoT solution on Azure, and the event facilitated networking opportunities among professionals and students interested in IoT. Feedback from attendees indicated that the hands-on session was highly valuable. Some participants suggested extending the workshop duration for more in-depth exploration, and future events could include advanced topics such as AI integration with IoT.

In conclusion, the "Developing IoT Solutions with Azure IoT" event successfully provided participants with foundational knowledge and practical exposure to Azure's IoT capabilities. The positive response from attendees emphasized the growing interest in IoT solutions and the need for continued learning in this domain.

Date: 3rd April 2023

Attendee's

Gr. No.	Enrolment No.	Name of Participants
118565	92200133013	RAJNIKANT UDAYBHAI HIRAPARA
118173	92200133010	VASU ATULBHAI PARSANIYA
119459	92200133025	UMANG KETANBHAI HIRANI
119737	92200133039	BHUMIKA MOHANBHAI MAKWANA
119680	92200133035	KRISHNA HARESHBHAI DIXIT
119402	92200133022	KRISH KIRTIBHAI MAMTORA
119990	92200133015	MAHESHWARIBEN DIPAKBHAI BHADRESHWARA
120294	92200133048	UMUTONI JUSTINE
119437	92200133023	FENIL JIGNESHBHAI VADHER
119311	92200133019	NIDHI SUBHASHBHAI DATTANI
119539	92200133029	DHRUVIBEN JITENDRA PATEL
117890	92200133009	ACHYUT KARSHANBHAI SANGANI
119990	92200133015	MAHESHWARIBEN DIPAKBHAI BHADRESHWARA
119516	92200133028	HARSHVARDHAN SNEHAL SONI
119694	92200133036	HARSHIL PIYUSHBHAI VADHER
119585	92200133024	SHANTANUSINH CHANDRASINH PARMAR
117709	92200133007	VISHVARAJSINH JITENDRASINH PARMAR
119238	92200133017	ABHAYBHAI DEVCHANDBHAI PADARIYA
119893	92200133044	AKASH JAGABHAI CHUDASAMA
120002	92200133046	RACHEL LEILA AKOL MUORWEL
119699	92200133037	NANDINI JAYESH LASHKARI
119704	92200133038	RAJVI ROHITBHAI DAVE
120651	92310133001	NIV VIJAYKUMAR SAPRA
120999	92310133002	DHAIRYA RAKESHBHAI DAVE
121022	92310133003	ROHAN ROY

Feedback

Left form:

Club Name: Circuitology Club Date: 5th April 2023

Event Name: IoT solutions with Azure IOT

How would you rate the overall event experience? (Select one)

( ) Poor
( ) Average
( ) Good
(✓) Very Good
( ) Excellent

How satisfied were you with the quality of the speakers/presenters? (Select one)

( ) Highly Satisfied
(✓) Satisfied
( ) Neutral
( ) Dissatisfied
( ) Highly dissatisfied

How satisfied were you with the flow of the event? (Select one)

( ) Highly Satisfied
(✓) Satisfied
( ) Neutral
( ) Dissatisfied
( ) Highly dissatisfied

Was the content relevant to your technical interests and knowledge level? (Select one)

( ) Extremely Relevant
( ) Slightly Relevant
(✓) Neutral
( ) Slightly Relevant
( ) Not relevant at all

Any Other comments that you would like to mention?

The speakers did a good job but the pace of the event was faster than I expected.

Right form:

Club Name: Circuitology Club Date: 3/4/23

Event Name: Azure IOT

How would you rate the overall event experience? (Select one)

( ) Poor
( ) Average
( ) Good
(✓) Very Good
( ) Excellent

How satisfied were you with the quality of the speakers/presenters? (Select one)

( ) Highly Satisfied
(✓) Satisfied
( ) Neutral
( ) Dissatisfied
( ) Highly dissatisfied

How satisfied were you with the flow of the event? (Select one)

( ) Highly Satisfied
(✓) Satisfied
( ) Neutral
( ) Dissatisfied
( ) Highly dissatisfied

Was the content relevant to your technical interests and knowledge level? (Select one)

( ) Extremely Relevant
(✓) Slightly Relevant
( ) Neutral
( ) Slightly Relevant
( ) Not relevant at all

Any Other comments that you would like to mention?

Needs some improvement.