MUJ/Q&C/22/F/1.01

**Event Report Format** 



## **FACULTY OF ENGINEERING**

## SCHOOL OF COMPUTER SCIENCE & ENGINEERING

# DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

"IBM QUANTUM QISKIT TOOL HANDS-ON"

**Type of Event – Expert Talk** 

Date of Event - 19/04/2023



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#### 1. Introduction of the Event

The IBM Quantum Qiskit Tool Hands-On event is a expert talk focused on introducing participants to the basics of quantum computing using the Qiskit open source software development kit (SDK). Hosted by V Jayakumar, the event is designed to provide attendees with a hands-on learning experience, giving them the opportunity to explore the fundamental concepts of quantum computing and how they can be implemented using Qiskit. The event will cover topics such as quantum circuits, quantum gates, quantum algorithms, and quantum basic. Participants will also have the chance to work with IBM's cloud-based quantum computing platform, IBM Quantum Experience, and to learn how to use Qiskit to write and run their own quantum programs. The event is aimed at anyone with an interest in quantum computing, from beginners to those with some prior experience in the field.

## 2. Objective of the Event

The main objective of the IBM Quantum Qiskit Tool Hands-On event is to provide participants with a practical understanding of the fundamental concepts of quantum computing using the Qiskit SDK. The event aims to help participants develop the skills and knowledge needed to begin exploring quantum computing, including an understanding of quantum circuits, quantum gates, quantum algorithms, and quantum error correction.

Through hands-on activities and tutorials, participants will learn how to use Qiskit to write and run their own quantum programs, as well as how to work with IBM's cloud-based quantum computing platform, IBM Quantum Experience. The event also aims to foster a community of individuals interested in quantum computing, providing a space for attendees to connect, share knowledge and experiences, and collaborate with others in the field.



Overall, the objective of the IBM Quantum Qiskit Tool Hands-On event is to provide participants with a solid foundation in quantum computing and Qiskit, empowering them to continue learning and exploring the field on their own.

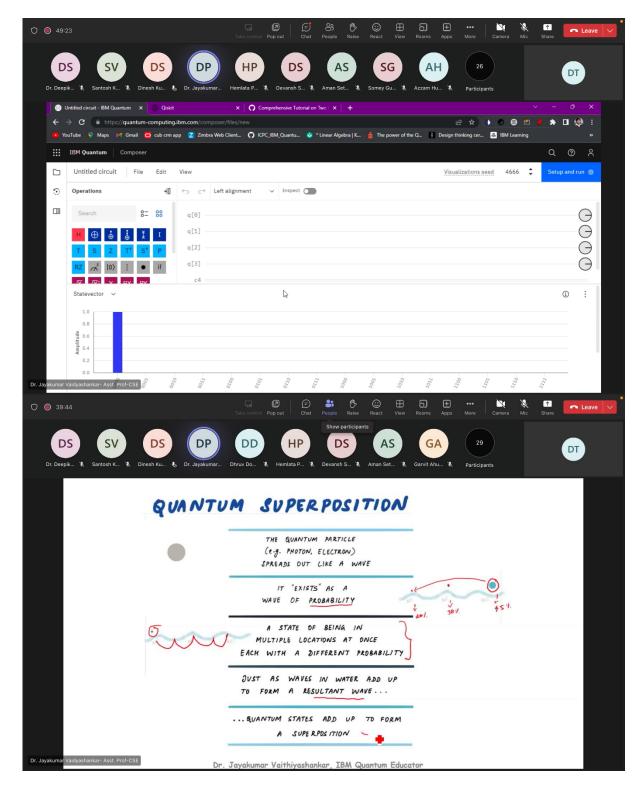
#### 3. Beneficiaries of the Event

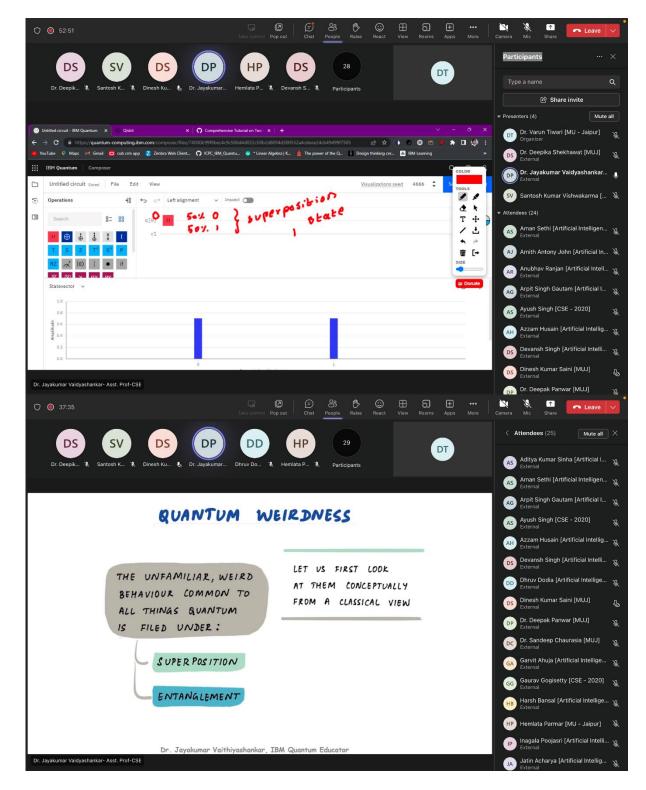
Students and faculty of School of Computer Science and Engineering

## 4. Details of the Guests

- Dr. Jayakumar, Serving as IBM Quantum Educator, and IBM Qiskit Advocate. Actively building Quantum Community in India.
- IBM Certified Associate Developer Quantum Computation using Qiskit
- Having 14 years of experience in R&D as well as Lecturing at University level.
- Active Senior IEEE member and participating in IEEE Quantum standards.

## 5. **Photographs**









#### 6. Brochure or creative of the event





## 7. Schedule of the event

**Date:** 19/4/2023

**Time:** 11:00 AM

Mode: Online (MS Teams)

8. Attendance of the Event

9. Total attendee-.....

Sr. No	Name of Institu tion	Place of Institu tion	Registratio n Number/E mployee code	Name of Attendee	Name of Dept
1	MUJ	Jaipur		Dr. Varun Tiwari [MU - Jaipur]	CSE- AIML
2	MUJ	Jaipur		Dr. Deepika Shekhawat [MUJ]	CSE- AIML
3	MUJ	Jaipur		Dr. Jayakumar Vaidyashankar- Asst. Prof-CSE	
4	MUJ	Jaipur		Santosh Kumar Vishwakarma [MU - Jaipur]	CSE- AIML
5	MUJ	Jaipur		Dr. Deepak Panwar [MUJ]	CSE- AIML
6	MUJ	Jaipur		Jatin Acharya [Artificial Intelligence & Machine Learning -2021]	CSE- AIML
7	MUJ	Jaipur		Dhruv Dodia [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
8	MUJ	Jaipur		Hemlata Parmar [MU - Jaipur]	CSE- AIML
9	MUJ	Jaipur		Devansh Singh [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
10	MUJ	Jaipur		Aman Sethi [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
11	MUJ	Jaipur		Priyanshu Baliyan [Artificial Intelligence & Description   Amp; Machine Learning - 2021]	CSE- AIML
12	MUJ	Jaipur		Lalit Agarwal [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML

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13	MUJ	Jaipur	Garvit Ahuja [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
14	MUJ	Jaipur	"Kumar Prateek "	CSE
15	MUJ	Jaipur	Arnav Pandey [Artificial Intelligence & Machine Learning -2021]	CSE- AIML
16	MUJ	Jaipur	Azzam Husain [Artificial Intelligence & amp; Machine Learning -2021]	CSE- AIML
17	MUJ	Jaipur	Keshav Malhotra [Artificial Intelligence & Machine Learning -2021]	CSE- AIML
18	MUJ	Jaipur	Somey Gupta [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
19	MUJ	Jaipur	Satvik Shaurya Singh [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
20	MUJ	Jaipur	Sai Vibhu Lade [Artificial Intelligence & Machine Learning -2021]	CSE- AIML
21	MUJ	Jaipur	Maulik Varshney [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
22	MUJ	Jaipur	Divyangana Raghav [Artificial Intelligence & Machine Learning -2021]	CSE- AIML
23	MUJ	Jaipur	Dr. Sandeep Chaurasia [MUJ]	CSE
24	MUJ	Jaipur	Pallavi [MUJ]	CSE
25	MUJ	Jaipur	Ayush Singh [CSE - 2020]	
26	MUJ	Jaipur	Ansh Srivastava [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
27	MUJ	Jaipur	Mr. Amit Kumar Bairwa [MUJ]	CSE- AIML
28	MUJ	Jaipur	Rahul Pandey [Artificial Intelligence & Samp; Machine Learning - 2021]	CSE- AIML
29	MUJ	Jaipur	Krish Tak[CSE - 2020]	CSE
30	MUJ	Jaipur	Harsh Bansal [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
31	MUJ	Jaipur	Vinayak Kanchan [Artificial Intelligence &	CSE- AIML

			Machine Learning -2021]	
32	MUJ	Jaipur	Inagala Poojasri [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
33	MUJ	Jaipur	Samraat Sapehia [Artificial Intelligence & Machine Learning -2021]	CSE- AIML
34	MUJ	Jaipur	Rachit Mahajan [CSE - 2021]	CSE
35	MUJ	Jaipur	Arpit Singh Gautam [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
36	MUJ	Jaipur	Dinesh Kumar Saini [MUJ]	CSE
37	MUJ	Jaipur	Gaurav Gogisetty [CSE - 2020]	CSE
38	MUJ	Jaipur	Milet Stanislos Dbritto [CSE - 2021]	CSE
39	MUJ	Jaipur	Aditya Kumar Sinha [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
40	MUJ	Jaipur	Samyak Jain [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
41	MUJ	Jaipur	Mahika Khanna [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
42	MUJ	Jaipur	Dr. Abhay Sharma [MUJ]	CSE
43	MUJ	Jaipur	Urvi Dhasmana [CSE - 2020]	CSE
44	MUJ	Jaipur	Ashi Malaiya [CSE - 2021]	CSE
45	MUJ	Jaipur	Kunal Jagdale [CSE - 2021]	CSE
46	MUJ	Jaipur	Anubhav Ranjan [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
47	MUJ	Jaipur	Amith Antony John [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
48	MUJ	Jaipur	Shikhar Maheshwari [Artificial Intelligence & Machine Learning - 2021]	CSE- AIML
49	MUJ	Jaipur	Dr. Rishi Gupta [MUJ]	CSE
50	MUJ	Jaipur	Megha Agarwal [CSE - 2020]	CSE
51	MUJ	Jaipur	Anuneet Rastogi [Artificial Intelligence &	CSE- AIML

			Machine Learning - 2021]	
52	MUJ	Jaipur	Dr. Neha Chaudhary [MU - Jaipur]	CSE
53	MUJ	Jaipur	Samridhi Chauhan[CSE - 2020]	CSE
54	MUJ	Jaipur	Nishant Jain	CSE
55	MUJ	Jaipur	Samarth Agarwal [CSE - 2020]	CSE
56	MUJ	Jaipur	Dr. Jeyakrishnan V [MUJ]	CSE
57	MUJ	Jaipur	Usha Jain [MU - Jaipur]	
58	MUJ	Jaipur	Dr. Santosh Kumar Henge [MU - Jaipur]	CSE
59	MUJ	Jaipur	Dr. Vinod Kumar	CSE
60	MUJ	Jaipur	Dr. Jayesh Gangrade [MUJ]	CSE- AIML

10. News Publication- News printed in newspaper or online links (if any) for news – insert images)

11. Feedback report of the Event

12. Link of MUJ website stating the event is uploaded on website



Seal and Signature of Head with date