

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

(NAAC Re-accredited with 'A' grade)



Two Days National level Workshop on



Department of
Computer Science &
Information Technology

"Quantum Computing"

(10th and 11th March 2023)

Organized by

Department of Computer Science and Information Technology,
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) India

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About Workshop

Quantum computers promise substantial speedups over conventional computers, for many practical relevant applications such as machine learning, cryptography, quantum simulation, systems of linear equations, and many more specially in the domain of Computer Science and Information Technology.

This Workshop aims to explore the huge potential that this cutting-edge technology holds. This workshop features invited talks by leading experts covering the broad range of the area including the fundamentals of quantum computing, applications showing the benefits of the technology, as well as further challenges to deal with in the field of computer science and information technology.

Course Contents

- How Quantum Computing Different than classical computing?
- Quantum Computing Basics
- Quantum Machine Learning
- Quantum Computing Architectures

About the Department

Welcome to the Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. We are a regionally and nationally renowned department in the predominant areas of computer science and information technology since 1989. We are visional with producing professionals, researchers and innovators having ethical values for betterment of the society.

Resource Persons

Experts from Industry, academia, R&D organizations will deliver expert talk to make participants aware of Quantum Computing.

- **Dr. Sanjeev Gupta**

Executive Director,
NIELIT, Aurangabad,
MH



- **Mr. Amit Saxena**

Program Director,
C-DAC, Pune, MH



- **Mr. Ninad Deshmukh**

M&A - Technology at
Deloitte Consulting
Seattle, Washington,
United States



- **Prof. Sachin Kadam**

Director - ICT, Bharati
Vidyapeeth University,
Pune, MH



- **Prof. Nisheet Joshi**

Professor, Banasthali
University, RJ



- **Prof. Sunil R. Patil**

Associate Prof.
Institute of Science,
Nagpur, MH



Organizing Chair

Prof. Sachin N. Deshmukh

Prof. & Head

Convenor

Dr. Mukta Dhopeswarkar

Registration Link:

<https://forms.gle/z5s9rzw0KsQ9r2wM7>

Registration Fees:

1000 ₹ (For all Participants)

Last Date of Registration:

04 March 2023

Payment Details

Beneficiary Name :

Finance & Accounts Officer,
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad

Bank Name : Bank of Maharashtra

Account No : 20060534624

IFSC CODE : MAHB0000152

Mode of Conduct: OFFLINE



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SCHEDULE

	Time	Name of Resource Person	Topic
Day 1	9:30 am - 10:00 am	Registration and breakfast	
	10:00 am - 10:30 am	Opening remarks and Inaugural Speech by Chief Guest Mr. Ninad Deshmukh (Online mode)	Quantum Computing for Problem Solving
	10:30 am - 12:00 pm	Session 1: Dr. Sanjeev Kumar Gupta (Offline mode)	Introduction to Quantum Computing
	12.30 pm - 2:00 pm	Session 2: Prof. Dr. Nisheeth Joshi (Online mode)	Quantum Machine Learning
	2:00 pm - 3:00 pm	Lunch Break	
	3.00pm - 4.30 pm	Session 3: Prof. Dr. Sachin Kadam (Online mode)	Applications of Quantum Computing
Day 2	10:00 am - 10:30 am	Breakfast	
	10:30 am - 12:00 pm	Session 1: : Mr. Amit Saxena (Offline mode)	Quantum Computing: HPC & Simulator
	12.30 pm - 2:00 pm	Session 2: Prof. Dr. Sunil Patil (Offline mode)	Quantum Information Science
	2:00 pm - 3:00 pm	Lunch Break	
	3:00 pm - 4:00 pm	Panel Discussion	
	4:00 pm - 4:30 pm	Valedictory	

Contact Details

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Venue

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and Information Technology,
Dr. Babasaheb Ambedkar
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Aurangabad (M.S.) India - 431004