6-days Online FACULTY DEVELOPMENT PROGRAM (FDP)

ON

Introduction to Quantum Computing

March 16th to 21th 2026

Organized by

CENTRE FOR TRAINING AND LEARNING, NIT WARANGAL

(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)

in association with

Xavier Institute of Engineering Mumbai

Preamble:

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Ministry of Education, through its scheme *"Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)".* Under this Scheme, a separate building has been built exclusively for the CTL activities, with the state-of-art training facilities that include a studio for production and uploading of video and e-lectures on various subjects of higher education, training halls to train the faculty in various theme areas of Science and Technology, humanities and social sciences, linguistics and communication skills, pedagogy and cognition evaluation, etc. among others. One of the important objectives of the Centre is to conduct training programmes for the aspiring, newly inducted and in-service faculty in science, engineering, social sciences disciplines in higher education. Other activities of the CTL include preparation of print and e-learning materials, offering on-line courses, curriculum design, carrying out research in educational technology and pedagogy and integrating with ICT into teaching-learning process. The CTL has special programmes of training for the marginalized and women-faculty.

About FDP:

This FDP is devoted to addressing the need to enhance the knowledge about the latest technologies pertaining to the Concepts and Applications of Quantum Computing Technology. It is being conducted in online mode by the National Institute of Technology, Warangal and Xavier Institute of Engineering (XIE), Mumbai.

Major Course Contents:

- Introduction to Quantum Computing
- Qubits, Dirac Notation and Measurements
- Single and Multi Qubit Operations
- Quantum Gates and Quantum Circuits
- Deutsch Algorithm
- Deutsch-Jozsa Algorithm
- Grover`s Search Algorithm
- Introduction to Qiskit
- Case Studies and Applications

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal and Academicians in the concerned field from IITs/NITs/IIITs have been invited to deliver lectures in the programme.

Registration Fee Particulars:

Faculty	**Rs.1416/-**
Students / Research Scholars	**Rs. 708/-**
Industry Participants	**Rs.2360/-**

Registration fees includes GST. Participants need to pay the registration fees online using thefollowing details

Online Transfer Details

Account Name: **HEAD, CTL NITW**
Account No: **40376545007**
IFSC: **SBIN0020149**
Bank and Branch: **SBI, NIT(REC) Warangal**

How to apply:

Participants are required to fill the online registration form by clicking on the following link

https://forms.gle/xsDVEskbjYjFehLv6

Selection Criteria:

Selection will be done based on first-come-first-serve to a minimum number of 50 (fifty) Faculty/industry participants. Additionally, students/PhD scholars are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. Candidates will be issued certificates on successful completion of the course.

Important dates:

Last date (Application)	13th March 2026
Selection List by E- mail	14th March 2026

About NIT Warangal:

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 31 post-graduate programs besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and research laboratories.

About Xavier Institute of Engineering:

Xavier Institute of Engineering (XIE) was established in the year 2005 by the Society of Jesus (Jesuit fathers). It is approved by AICTE, New Delhi, recognized by the DTE, Govt. of Maharashtra and affiliated to University of Mumbai. The Institute offers 4-year degree programme in Engineering in four different fields out of which 3 programmes are accredited by NBA. The Institute has been accredited with an A+ grade by NAAC and has attained autonomous status effective from the academic year 2025–26.

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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
6. Payment Details
   Reference No:
   Amount:
   Bank :
   Date:
7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
12. Teaching: Research: Industry:

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course.

Date:
Place: **Signature of the Applicant**

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms..... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **Introduction to Quantum Computing,** sponsored by the Centre for Training and Learning (CTL) during March 16th to 21th 2026 at Xavier Institute of Engineering.

Signature of Head of Institution (with seal)
Address for correspondence

Course Coordinator
Dr. S. Beatrice
Associate Professor, Computer Engineering Department,
Xavier Institute of Engineering, Mahim causeway, Mahim,
Mumbai-16
Mobile: 9967566467
Dr. Earnest Paul Ijjina,
Department of Computer Science and Engineering
Mobile: 94944 66490

It is requested to all the delegates that, after completion of application form, all the payment details, screenshot of the payment and scanned application form must be uploaded in the following online registration link.

Registration Link: https://forms.gle/xsDVEskbjYjFehLv6

For more details about CTL of NIT Warangal,
please visit:
https://nitw.ac.in/ctlcenter

For more enquiries please contact:
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