6-day Online FACULTY DEVELOPMENT PROGRAM (FDP)

ON

Introduction to Quantum Computing

November 10th to 15th 2025

Organized by

CENTRE FOR TRAINING AND LEARNING, NIT WARANGAL

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

in association with

Raghu Engineering College, Visakhapatnam

Preamble:

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Ministry of Education, through its scheme *"Pundit 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 Vidya Jyothi Institute of Technology, Hyderabad.

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/KLHzhwkqe7CrbiiX6

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)	8th November 2025
Selection List by E- mail	9th November 2025

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 Raghu Engineering College, Visakhapatnam:

Raghu Engineering College was established in 2001 and is situated on the excellent pasture of 50 acres of land and is just 25 minutes away from the RTC complex and Railway station of Visakhapatnam, AP, India. It strives to equip its students with the required conceptual, Experimental Programs, and managerial skills to grab the emerging opportunities and meet the ever-increasing demand and requirements of the information technology and manufacturing sectors. The CSE (Data Science) department, established in 2020, equips students with strong expertise in data analytics, machine learning, large-scale data handling, data visualization, and AI-driven decision-making, empowering them to innovate and solve real-world challenges.

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SPONSHORSHIP CERTIFICATE

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**

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 **November 10th to 15th 2025** at Raghu Engineering College, Visakhapatnam.

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

Course Coordinator
Dr. K V Satyanarayana
Department of Computer Science and Engineering(Data Science)
Raghu Engineering College, Visakhapatnam
Mobile: 7780320940
Email: satyanarayana.kalahasthi@raghuenggcollege.in

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/WULoB4E2nqnYqiqq5

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

For more enquiries please contact:

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Coordinators

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