



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Quantum Computing for Secure Information System

(21st September - 01st October 2026)

Organized by

Electronics & ICT Academy, NIT Warangal

In Association With

Department of Computer Science and Engineering, SVNIT, Surat, Gujarat.

Sponsored by Ministry of Electronics and Information Technology (MeitY), GoI.



Preamble:

"Electronics & ICT Academy – Phase II" was set up at NIT Warangal with financial assistance from MeitY, GoI. This academy's role is to offer Faculty Development Programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

About the FDP:

This Faculty Development Programme (FDP) is aimed at enhancing knowledge and awareness about recent advancements and emerging technologies in Quantum Computing with special emphasis on its real-world applications in Information Security and Secure Information Systems. The FDP is being jointly organized in online mode by NIT, Warangal and SVNIT, Surat. The sessions will be delivered by distinguished academicians and industry experts. Through expert lectures and hands-on sessions, participants will gain theoretical and practical exposure to emerging quantum technologies and their role in next-generation secure information systems.

Major Course Content:

- Fundamentals of Information Security
- Overview of Cryptography
- Classical Cryptography and Its Limitation
- Basic of Quantum Computing Quantum Mechanics
- Quantum GATES and Circuits
- Quantum Algorithms and Quantum Communications
- Quantum Key Distribution
- Post Quantum Cryptography
- Application of Quantum computing in cyber security
- Case Studies and Industry Applications

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.500/-
Industry Participants	Rs.2250/-

Participants need to pay the Registration Fee Online using the following details

Online Transfer Details	
Account Name:	Electronics & ICT Academy NITW
Account No	: 62423775910
IFSC	: SBIN0020149
Bank and Branch:	State Bank of India, NIT Campus, Warangal

How to apply:

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

<https://forms.gle/HnsSXykkLej8YXxY7>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (fifty). Candidates will be issued satisfactory certificates on successful completion of the course.

Important Dates:

Last Date for Registration	17.09.2026
Selection List by E- mail	19.09.2026
Duration	21.09.2026 to 01.10.2026

About NIT Warangal:

National Institute of Technology, Warangal, is the first among 17 RECs set up as a joint venture of the Government of India and the state government. Over the years, the college has established itself as a premier Institute imparting technical education of a very high standard, leading to B.Tech degrees in various branches of engineering, M.Tech., and Ph.D. programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About SVNIT Surat:

The Sardar Vallabhbhai National Institute of Technology (SVNIT) was founded in 1961 as a regional engineering college. The Government of India declared the SVRCET Surat to SVNIT Surat with status of 'Deemed University' with effect from 4th December, 2002. With the enactment of National Institutes of Technology Act-2007, the Institute has been granted the status of 'Institution of National Importance' w.e.f. August 15, 2007. The Institute now offers eleven (11) B.Tech. Degree Programmes, twenty-one (21) M.Tech. Degree Programmes, three (03) Five Years Integrated M.Sc. Degree Programmes in Chemistry, Mathematics & Physics, One (01) Five Years Integrated B.Tech and M.Tech Degree Programme and Master of Business Administration in Business Analytics. Institute offers Doctoral Degree Programme in Engineering, Science, Management and English. Institute also offers M. Tech (R) in all the engineering disciplines.

Coordinators:

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