

## ABOUT THE UNIVERSITY

Anna University was established on 4th September 1978 as a unitary type of technical University amalgamating four institutions: College of Engineering Guindy, A C College of Technology, Madras Institute of Technology and the School of Architecture and Planning.

The College of Engineering Guindy, main campus of the University, is one of the oldest technical institutions in India. The University offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities.

## ABOUT THE DEPARTMENT

Department of Information Science and Technology is carved out of the Department of Computer Science and Engineering in May 2010. The Department functions under the Faculty of Information and Communication Engineering.

It offers undergraduate, postgraduate and research programs in various disciplines of Information Technology and Master of Computer Application Degree Programme.

## ORGANIZING COMMITTEE

### CHIEF PATRON

**Dr. R. Velraj**

Vice Chancellor

Anna University, Chennai

### PATRON

**Dr. G. Ravikumar**

Registrar (i/c)

Anna University, Chennai

### CO-PATRON

**Dr. L. Suganthi**

Dean, College of Engineering,  
Guindy,

Anna University, Chennai.

### CONVENOR

**Dr. Saswati Mukherjee**

Professor & Head of the Department

Department of Information Science & Technology  
Anna University, Chennai

### VENUE

Online Platform.

### IMPORTANT DATES

Last Date for receiving application (by online)	:	15 <sup>th</sup> Nov, 2021
Intimation of Selection	:	17 <sup>th</sup> Nov, 2021
Confirmation by participants	:	18 <sup>th</sup> Nov, 2021



## FIVE DAYS ONLINE ATAL FDP ON

## “ADVANCES OF CRYPTOGRAPHY USING QUANTUM COMPUTING”

**22-11-2021 to 26-11-2021**

### CO-ORDINATOR

**Dr. K. Vidya**

Department of Information Science & Technology  
Anna University, Chennai

### SPONSORED BY

**AICTE, NEW DELHI**

Under

**AICTE Training & Learning (ATAL)  
Academy**

### ORGANIZED BY

Department of Information Science and  
Technology,  
College of Engineering,  
Anna University,  
Chennai-600 025.

## TARGET AREAS

- Introduction to Cryptography
- Basics of Quantum Computing
- Introduction to Quantum Computing
- Shor's Algorithm
- Quantum Gates
- Quantum Entanglement and Teleportation
- Simon and Grover's Algorithm
- Quantum Key Distribution
- Lattice Based Cryptography
- Lattice based Public Key encryption and Signature Scheme
- Quantum Risks to Cyber Security
- Post Quantum Security

## REGISTRATION DETAILS

- There is **no Registration fee** for the FDP.
- Registration for the FDP can be done using the **registration form and photocopy of the form should be uploaded online through the registration link and to the E-mail ID provided.**
- The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, CBSE Teachers, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions.
- Participants will be selected on first come first serve basis.
- Selected candidates will be intimated by E-mail.
- Confirmation of participation is to be made by E-mail.

## ONLINE REGISTRATION LINK

<https://www.aicte-india.org/atal>

## REGISTRATION FORM

### FIVE DAYS ATAL FDP ON

### “ADVANCES OF CRYPTOGRAPHY USING QUANTUM COMPUTING”

**22-11-2021 to 26-11-2021**

- Name:
- Designation:
- Educational Qualification:
- Experience:
- Area of Specialization or Research:
- Department:
- Organization:
- Address for communication:
- Email ID:  
(G-Mail Preferably)
- Mobile Number

## AUTHORIZATION CERTIFICATE

Ms./Mr./Dr. \_\_\_\_\_  
is an employee of our college/ institution and is hereby permitted to attend the five days ATAL FDP at Department of Information Science and Technology, Anna University, Chennai – 25, if selected.

Date:

Place:

Signature & Seal of the Authorizing Authority

## DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDP under AICTE Training & Learning (ATAL) Academy. If selected, I shall attend the FDP for the entire duration. I also undertake the responsibility to inform the Co-ordinator in advance in case of inability to attend the program.

Date:

Place:

Signature of the Applicant

## CONTACT US

### The Co-ordinator

"Five days FDP on Advances of Cryptography Using Quantum Computing"  
Department of Information Science and Technology,  
College of Engineering, Anna University  
Chennai – 600 025.

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