

SPONSORING ORGANIZATION

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Prof. ANIL D. SAHASRABUDHE
Chairman, AICTE

Dr. PRATAPSIKH KAKASO DESAI
President, ISTE.

PATRONS

Col. B VENKAT, Director,
Faculty Development Cell, AICTE

Prof. VIJAY D. VAIDYA
Executive Secretary, ISTE.

ABOUT AICTE ISTE

AICTE promotes the quality in teaching, plans and coordinates the development of technical education system and regulates and maintain the norms and Standards.

The Indian Society for Technical Education (ISTE) empowers the career development of teachers and personality development of students and overall development of our technical education system.

ACITE and ISTE jointly sponsoring for Induction / Refresher programme to help the faculty members to update their knowledge and providing an opportunity for interaction and mutual exchange with resource persons identified from industries and renowned institutes having expertise in particular areas of specialization.

IMPORTANT DATES

Submission of Application	10-12-2021
Intimation of Selection	12-12-2021
Confirmation by Participants	15-12-2021

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. R.VELRAJ, Vice-Chancellor,
Anna University, Chennai.

PATRON

Dr. G.RAVIKUMAR, Registrar,
Anna University, Chennai.

CO-PATRON

Dr. P. HARIHARAN, Director,
Centre for Constituent Colleges
Anna University, Chennai.

CHAIR

Dr. P.SAKTHIVEL, DEAN, UCEK

CO-CHAIR

Dr. V.KAVITHA, HOD, CSE

ORGANIZER

Mr. M.SURESH, DEPT OF CSE

EXECUTIVE MEMBERS

Dr. K.SelvaBhuvaneswari, Dept of CSE

Mrs. T.Kala, Dept of CSE

Mrs. J.KowsalyaDevi, Dept of CSE

Mr. M.SathishKumar, Dept of CSE

Mr. D.ArunGandhi, Dept of CSE

Mrs. V.Nithya, Dept of CSE

Mr. D.Sivaraman, Dept of CSE

Mr. G.Vinoth, Dept of CSE

Mrs. R.Malarkodi, Dept of CSE



AICTE-ISTE

Sponsored One Week Online Induction / Refresher Programme on

“CRYPTOGRAPHY IN QUANTUM ERA”

24th – 31st December 2021

COORDINATOR

Dr.V.KAVITHA

PROFESSOR, DEPT OF CSE

ORGANIZED BY



**Department of Computer Science and
Engineering**

University College of Engineering

Kancheepuram

(A Constituent College of Anna University Chennai)

ANNA UNIVERSITY, CHENNAI

Anna University was established in the year 1978 as a unitary type of technical University amalgamating four institutions: College of Engineering Guindy, AC College of Technology, Madras Institute of Technology and, School of Architecture and Planning.

College of Engineering Guindy (the Oldest Technical Institutions in India). The University features educational programmes in the fields of Engineering, Technology, Architecture, and Applied sciences relevant to the current and projected needs of society. Besides promoting research and disseminating Knowledge gained there, it fosters cooperation between the academic and industrial communities.

ABOUT THE INSTITUTION

University College of Engineering Kancheepuram, established in the year 2010. The institute offers four under graduate programs in B.E (CSE, EEE, ECE, and MECH). We have highly qualified and experienced faculty members, well equipped laboratories and infrastructure. Institute tries its best to bridge the gap between academia and industry by organizing various programs for the benefit of students, in order to get them acquainted with technological advancement and updating with evaluating trends.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering is to fulfill the growing demand for best-fit professionals expected by the IT Industry. In addition to this the department provides the students with value added courses, workshops, seminars, guest lectures and Industrial visits to ignite the young minds and to trigger the sparks of emerging technology within them.

ABOUT THE COURSE

- ❖ To impart knowledge on the basics of Mathematical Foundations of Cryptography, Symmetric and Asymmetrical Crypto Algorithms.
- ❖ To provide hands on session in Python cryptographic tools available for implementation of Crypto Algorithms.
- ❖ To explore the concepts of Quantum Mechanics, Quantum Information, Quantum Algorithms. Quantum Cryptography and Key Distribution in the aspects of research perspective.

TENTATIVE TOPICS

The coverage of "CRYPTOGRAPHY IN QUANTUM ERA" which includes,

- ✓ Mathematical Foundation in Cryptography
- ✓ Modern Cryptography system – Symmetric / Asymmetric key Cryptography
- ✓ Hands on Session in python on Crypto Algorithms
- ✓ Quantum Computations
- ✓ Quantum Algorithms & Applications
- ✓ Quantum Information
- ✓ Quantum Cryptography
- ✓ Quantum Key Distribution & Applications
- ✓ Comparison of Cloud vs block chain vs Quantum Security
- ✓ Game Theory Approach in Quantum Computing

SPEAKERS

Eminent Experts from IIT, NIT's & reputed Institutions will share their Expertise.

ELIGIBILITY CRITERIA

- ❖ Any Teachers from Higher Educational Institutions in India approved by AICTE Including Polytechnic Teachers eligible to attend. Preference will be given to ISTE Members.
- ❖ The number of participants will be restricted to 100 numbers and will be selected on First Come First Serve Basis. No registration fee will be collected.
- ❖ Participants are requested to fill the registration form through the given Google form link.

REGISTRATION FORM

(To be submitted in Google Form)

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24th – 31st December 2021

Scan to Register



<https://forms.gle/qVtHHJDncxedJP9E8>

CONTACT

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