CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF TECHNOLOGY, UTU

Department of Computer Engineering and Artificial Intelligence & Data Science

A REPORT of an interactive online Expert Talk

Titled

"Advancements in Post Quantum Cryptography" on 10th September 2024 (Tuesday)

Organizing Department	**Department of Computer Engineering and Artificial Intelligence & Data Science**
Coordinator	Dr. Anshuman Kalla, Mr. Bhavesh Patel
Target Audience	B.Tech. 5th semester students of CE, IT, AI&DS, and CS department
Total Number of present students	200+
Date of Programme	10th September 2024 10:40 AM to 11:45 PM
Invited Speaker	Dr. Sarada Prasad Gochhayat Assistant Professor, Department of Computer Science & Engineering, Indian Institute of Technology (IIT) Jammu.

Advancements in post-quantum cryptography are rapidly evolving as researchers work to develop encryption methods resistant to the potential threats posed by quantum computers. Quantum computers have the capability to break widely-used cryptographic systems, such as RSA and ECC, which are foundational to modern cybersecurity.

In response, the field of post-quantum cryptography is exploring algorithms based on lattice problems, hash functions, and coding theory, which are believed to be secure against quantum attacks.

Recent progress includes the ongoing standardization efforts by organizations like NIST, which are evaluating and selecting robust algorithms for future-proof security. These advancements aim to ensure that our digital communications and data remain secure in an era where quantum technology becomes more prevalent.

Event Flyer:

Advancements In Post-quantum cryptography

An Interactive Online Expert Talk

SPEAKER

Dr. Sarada P. Gochhayat

Assistant Professor

Department of Computer Science and Engineering,

Indian Institute of Technology (IIT) Jammu, India

COORDINATORS
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Date And Time

10 SEPT, 2024
10:30 AM ONWARDS

UKA TARSADIA
university

Snapshots of the online webinar: