Aurora's Degree & PG College

Chikkadpally, Hyderabad 500020

NAME OF THE EVENT :	Guest Lecture – Modern Cryptography
FACULTY INCHARGE	**Om Prakash Yadav**
DEPARTMENT	Computer Science
DATE	13th November 2018
VENUE	Computer Lab – Aurora Degree College
TARGET AUDIENCE	MSc Computer Science (PG)
SPEAKER	Kannan Srinathan, IIIT Hyderabad.

Objective:

The objective is to make students:

1. To understand the fundamentals of Cryptography
2. To acquire knowledge on standard algorithms used to provide confidentiality, integrity and authenticity.
3. To understand the various key distribution and management schemes.
4. To understand how to deploy encryption techniques to secure data in transit across data networks
5. To design security applications in the field of Information technology

Report:

The topics were covered:

1. What is cryptography?
2. Types of cryptography
3. What are the new algorithms in cryptography
4. Detailed procedure of Encryption of Data
5. Detailed procedure of Decryption of Data
6. Attacks: Passive and Active
7. RSA Algorithm

The speaker has extended the lecture on the above topics with few examples.
Students have enjoyed the session and interacted with the speaker by clarifying their doubts.

Outcome:

The students will be able to understand the cryptographic theories, principles and techniques that are used to establish security properties and analyze and use methods for cryptography to reflect about limits and applicability of methods

Photographs