



SNDT Women's University, Mumbai Usha Mittal Institute of Technology



Title: Technical Talk on “Cryptography: Past, Present and Future”

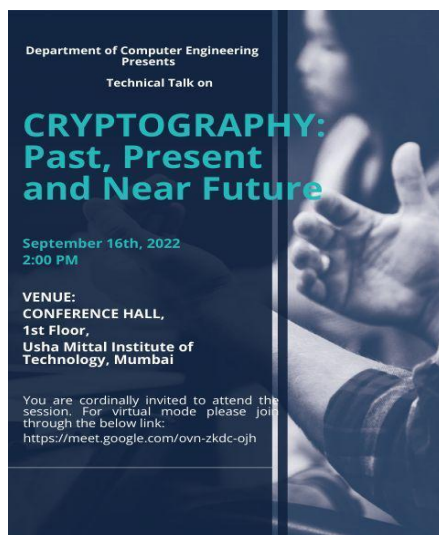
This technical talk was the part of the SNDT Women's UMIT Silver Jubilee 25 years Celebration.

Speaker: Dr. Virendra Sule from Computer Science & Engg Department, IIT Bombay was the guest to talk on Cryptography. Professor Sule has obtained PhD from IIT Bombay in 1990. He has been one of the faculties of Electrical Engineering first at IIT Kanpur and later is working at IIT Bombay from over 30 years. His research interest was Cryptology in which he worked on Block and stream ciphers, efficient arithmetic for public key cryptography, algebraic cryptanalysis. He is also expert in Dynamical systems and feedback control theory which focus on Boolean dynamical systems, design of feedback compensation for high bandwidth analogue systems. He has also keen knowledge in the field of Computation that includes Algorithms for parallel computation, solutions of Boolean equations and applications.

Description: A technical talk was held on **16th September 2022 at 2 pm** at the Mini-auditorium, SNDT Women's University, Juhu. The aim of this talk was to create awareness on Cryptography and the various security applications that revolves around this area of research. The total participants registered for the talk were **112 from various departments**. The talk took a tour through history of cryptography, looking at the earliest ciphers, through the secret-key methods that took over, through to current methods such as public-key methods, and look at the future possibilities as the next step. Further the talk summarizes as Cryptography is an art of making a system that can protect data and this prevents the disclosure of file and provides both parties with confidentiality in communication. This is done using codes or secret characters so only those with access to those codes for whom the data is intended for, sometimes data that has been encrypted can sometimes be broken with the use of cryptanalysis which is commonly known as codebreaking. And finally, it focused on the securing of digital data by encryption and authentication. At the end of the talk all the students were given participation certificates.

Some of the glimpses of the technical talk are:





This whats App message is prepared as an invitation for our technical talk.

The following faculties have actively contributed towards the success of this program.

- ❑ HOD of CE DEPT. Dr.Rachana Dhannawat
- ❑ Ms.Iffat Kazi
- ❑ Ms.Vanshri Ramtake
- ❑ Ms.Pratibha Mahakal
- ❑ Ms.Ankita Umale
- ❑ Ms.Prajakta Gutarne