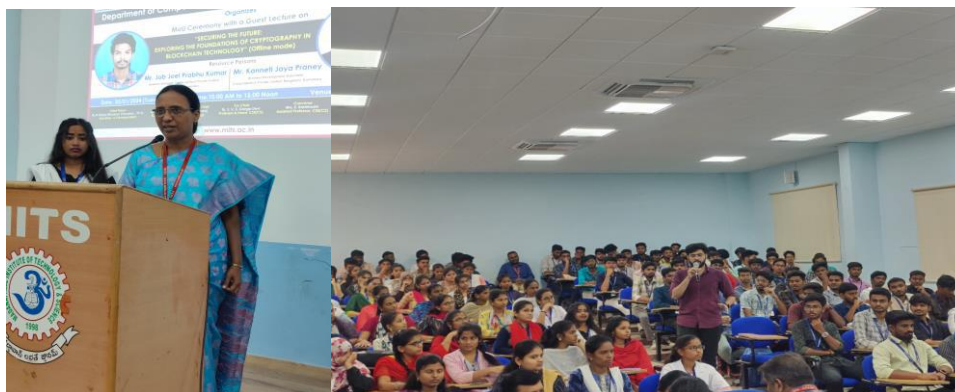


**A Report on Guest Lecture on**  
**"Securing the Future: Exploring the foundations of Cryptography in Blockchain Technology"**  
**Organized by Department of Computer Science & Engineering (Cyber Security)**  
**on 30.01.2024**



**Report Submitted By : Mrs. Kanimozhi S, Asst. Professor, Department of CSE-Cyber Security**

**Resource Person: Mr. Job Joel Prabhu Kumar, Business Manager and**

**Mr. Kanneti Jaya Praney, Business Development Executive, Corizo Edutech Private Limited, Bengaluru Karnataka**

**Report Received on 01.02.2024**

**Mode of Conduct: Offline**

**Attendance: 127 participants (Internal)**

The programme started at 10:00 AM, Dr. P. Ramanathan, Vice Principal(Academics), presided the Guest Lecture conducted by Dept., CSE (Cyber Security), followed which the entire programme was organized by the Convener Mrs S Kanimozhi, Assistant Professor, and welcome address was delivered to the gatherings by the Dr. SVS Ganga Devi, HoD, CSE(CS), The resource person Mr. Job Joel Prabhu Kumar, Business Manager and Mr. Kanneti Jaya Praney, Business Development Executive, Corizo Edutech Private Limited, Bengaluru Karnataka, was introduced by Mr. M. Mutharasu, Assistant Professor, Department. of CSE(CS).

The Memorandum of Understanding was happened between Department of Computer Science and Engineering (Cyber Security), Madanapalle Institute of Technology & Science and Corizo Edutech Private Limited, Bengaluru, Karnataka.

The resource person started the session by extending his hearty thanks to the participants, organizing members, HoD, Principal and Management for giving him opportunity to share his knowledge and experience in **Securing the Future: Exploring the foundations of Cryptography in Blockchain Technology**.

The session was concluded at 12:00 PM followed by a vote of thanks, given by Convener of the Webinar, Mrs S Kanimozhi, Assistant Professor, Department of CSE(CS).

**PROGRAMME OUTCOMES:**

**Understanding of Cryptographic Foundations:** Students will demonstrate an understanding of fundamental cryptographic principles and techniques. They will explain the role of cryptography in ensuring security in blockchain technology.

**Knowledge of Blockchain Technology:** Students will comprehend the basic concepts and principles of blockchain technology. They will identify the significance of cryptography in securing transactions and data in a blockchain.

**Application of Cryptography in Blockchain:**

Students can apply cryptographic algorithms to enhance the security of blockchain networks. Also, they will analyze the cryptographic techniques employed in real-world blockchain applications.

**Security Threats and Countermeasures:**

Students can identify potential security threats in blockchain ecosystems. Also, they can propose effective cryptographic countermeasures to mitigate security risks in blockchain technology.

**Integration of Cryptography in Software Development:**

Students can integrate cryptographic protocols into blockchain software development practices. They will evaluate the impact of cryptographic choices on the overall security and performance of blockchain applications.

**Ethical and Legal Considerations:**

Students can be able to learn the ethical implications of cryptographic practices in blockchain technology. Also, they can understand the legal frameworks and regulations related to cryptography in the context of blockchain.