**ABSTRACT**

**Department of CSE (Cyber Security)**

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**CMR COLLEGE OF ENGINEERING AND TECHNOLOGY**

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|  | | **MAJOR PROJECT - I** | |  |
| **DOMAIN OF THE PROJECT** | | CRYPTO-CURRENCY EXCHANGE SECURITY FRAMEWORK | |  |
| **TITLE OF THE PROJECT** | | SECURE-CRYPT | |  |
| **NAME OF THE GUIDE WITH DESIGNATION**  **AND DEPARTMENT** | | DR. R. Venkateswara Reddy  (Associate Professor and HOD, CSC (Cyber Security) | |  |
| **DATE OF SUBMISSION** | | 12/07/2024 | |  |
| **TEAM NUMBER** | | 03 | |  |
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**PROBLEM DEFINITION:**

Establishing a secure authentication system and exchange of digital assets in Crypto-Currency.

**ABSTRACT:**

This paper presents Secure-Crypt, a cutting-edge framework that combines robust authentication and comprehensive security measures to safeguard cryptocurrency exchanges. Secure-Crypt employs advanced authentication techniques, including multi-factor authentication, behavioural biometrics, and machine learning-based risk assessment. The framework also integrates encryption, secure wallet management, network segmentation, and real-time threat detection, ensuring the integrity and confidentiality of transactions and user data. Secure-Crypt provides a secure and reliable platform for cryptocurrency trading, protecting users' assets and preventing fraudulent activities. The framework is designed to be scalable, adaptable, and compliant with regulatory requirements, making it an essential solution for the cryptocurrency industry.