DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

# PROJECTPROPOSAL

## 1. Project Title: - CRYPTOGRAPHY

## 2. Project Scope: - The scope of this project revolves around the conception, development, and evaluation of a novel hybrid cryptography system that amalgamates the historical elegance of the Vigenère Cipher with the grid-based structure of the Polybius Cipher. This endeavor seeks to explore uncharted territories at the intersection of classical ciphers and modern cryptographic techniques, aiming to provide a robust encryption solution that bridges the gap between historical context and contemporary security needs.The project will delve deep into the design of the hybrid cryptography system. It involves refining the Vigenère Cipher to address its vulnerabilities and exploring ways to enhance the Polybius Cipher for modern cryptographic applications. Meticulous attention will be given to creating a synergistic fusion of these two ciphers, capitalizing on their individual strengths while minimizing their weaknesses.

## 3. Requirements: -

* Hardware Requirements

1. Hard disk Space and
2. Processor
3. Multi-core processor

* Software Requirements

1.Implemented on VS code.

2.Fronted in HTML

3.Backend in python

**STUDENTS DETAILS**

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| --- | --- | --- |
| **Name** | **UID** | **Signature** |
| Sorabh Kumar | 21BCS4461 |  |
| Khushi | 21BCS8251 |  |

**APPROVAL AND AUTHORITY TO PROCEED**

We approve the project as described above, and authorize the team to proceed.

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| --- | --- | --- |
| **Name** | **Title** | **Signature**  **(With Date)** |
| Priyanka Jammwal(E15553) | SuperVisior |  |