**DAILY REPORT**

**Jan-29 to 30:**

* **Initial Stage**
* **Discussed various topics**
* **Searched different IEEE Papers**

**Feb- 1 to 3**

* **Searched different IEEE Papers**
* **Focused on Networking**
* **Selected a topic named Medical Data Compression and Transmission in Wireless Ad-hoc Network**
* **Deeply gone through the paper and identified the techniques used**
* **This topic based on Data Compression and Transmission**
* **Uses RMM System to collect the Medical Data of Patients**

**Feb- 4**

* **Presented the topic infront of Rahulnath Sir and Vaheetha Salam Ma’am, Unfortunately the topic was rejected**
* **Searched topics based on Cryptography**

**Feb -5 to 7**

* **Searched different papers**
* **Selected a topic named Authentication By Encrypted Negative Password**
* **The main theme of this project is password authentication framework**
* **Deeply gone through the paper and identified the techniques used**

**Feb -8 to 10**

* **In this framework, the techniques are used**

1. **Cryptographic Hash Function (SHA-256)**
2. **Negative Database**
3. **Symmetric Key Encryption (AES)**

* **The received plain password from a client is hashed through a cryptographic hash function. Then, the hashed password is converted into a negative password. Finally, the negative password is encrypted into an Encrypted Negative Password using a symmetric-key algorithm.**
* **Searched for reference papers**

**Feb -11 to 12**

* **Researched more about password authentication framework**
* **Discussed the topic with Sheera Miss and got an overall idea about the project**
* **Searched for the reference papers**
* **I got a reference paper on Negative Database Algorithm**
* **Read the papers**
* **Preparation of slides and notes**

**Feb -13**

* **Presented the topic infront of all faculties with power point presentation**
* **Topic accepted**

**Feb -14 to 18**

* **Researched more about the project**
* **Searched reference paper and read the reference paper**
* **Watched YouTube videos of tutorials**
* **Browsed blogs for more information**
* **Searched ENP algorithms and implementation**
* **Base paper compared with the reference papers**

**Feb -20 to 23**

* **Detailed study of the paper**
* **Detailed study of related works**

1. **Typical Password Protection Schemes**
2. **Negative Databases and implementation**

* **Detailed study of ENP algorithms**

**Feb -24**

* **Have got an idea how to implement the solution, Requirements of the system and implementation issues and possible solutions**