



**OFFLINE
PASSWORD MANAGER
USING FLUTTER**



A PROJECT REPORT

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in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

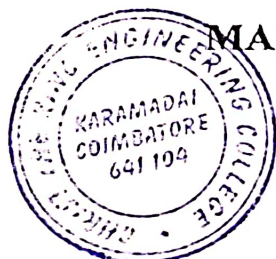
IN

COMPUTER SCIENCE AND ENGINEERING

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BONAFIDE CERTIFICATE

Certificate that this project report “OFFLINE PASSWORD MANAGER USING FLUTTER” is the bonafide work of “JOEL J THOMAS, MATHIYAZAHGAN A, SUJI. T” who carried out the project work under my supervision.



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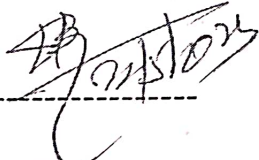
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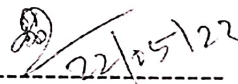
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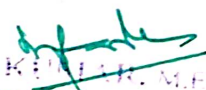



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ABSTRACT

Password managers allow the storage and retrieval of sensitive information from an encrypted database. Users rely on them to provide better security guarantees against trivial exfiltration than alternative ways of storing passwords, such as an unsecured flat text file. In this system we provide the user a friendly mobile application. This provide the user options to store the passwords which they use to login on web pages , software and applications. This Offline Password manager coded entirely in Flutter that used Three layers of security. It saves password in your Phone's local Storage, thus no issue of data Leak from a server. This system helps the user to easily store, retrieve and copy passwords as per the use. This system is builded using Flutter and Dart programming language.




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CHAPTER 10

CONCLUSION AND FUTURE ENHANCEMENTS

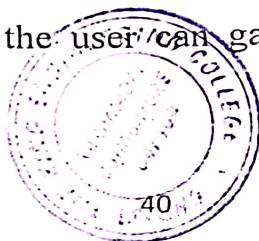
10.1 CONCLUSION

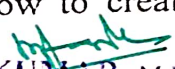
Through this project we mainly aims to build an efficient , optimized and a secure platform which can be used to store passwords. Unlike other password managers application our product will be more optimized and efficient due to its security , encryption and database. Here we are using flutter and dart programming language.

This Mobile application works in offline environment and store the encrypted passwords in the local database. Three layer of security is provided to keep the application secured from threat and vulnerabilities. Using of flutter packages like local_auth and hive_flutter gives biometric authentication and NoSQL hive database for storing the data locally.

10.2 FUTURE ENHANCEMENTS

Through this project , I proposed a Mobile application builded with flutter framework to store passwords. The future scope of the project cannot be limited by this. The application works totally in offline environment . Technology and software fields are upgrading day by day so the security of the system should be increased. Passwords are very sensitive content so, it should be protected with great concern. Continuous analysis of the application will help to find vulnerabilities so we can increase the efficiency and provide the user a secure application. In future addition of strong password generation would be enabled. A user manual guide would be provided so that the user get awareness on keeping the passwords safe and also the user can gain knowledge on how to create passwords.




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