

ADVANCE DIGILOCKER

TEAM NAME : THE DREAM BUILDER

Presented By

*Akshay Zade
Bhagyashree bhoyar
Anushree Kawley*

*Khushali Umate
Payal Telrandhe
Shubham Shiwarkar*

Computer Science And Engineering
Datta Meghe Institute Of Engineering , Technology & Research,
Sawangi (Meghe), Wardha .
2016-2017



CONTENTS:

- **Introduction**
- **Problem Definition**
- **Literature Survey**
- **Objectives**
- **Software/hardware use**
- **Proposed System Design**
 - ❑ **System Architecture**
 - ❑ **Module Description**
- **Advantages**
- **Conclusion**
- **References**



INTRODUCTION:

❑ “ADVANCED DIGILOCKER”:

Driving License and Vehicle Registration certificates can now be access through smart phones.

User can also check Insurance as well as pollution expiry details(PUC).Vehicle documents verification is done by using QR code .

This application contains two sub-application: One is user application Advance Digilocker and second is Vehicle Verification Application.

The traffic police will simply scan the QR code in user's application and then all the documents will be displayed on the verifier application.



PROBLEM DEFINITION:

❑ POTENTIAL OF DIGILOCKER:

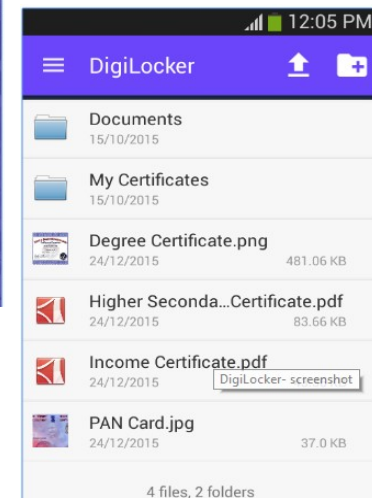
- Driving license and Vehicle registration certificates can be accessed through mobile application.
- Integration of Digilocker with driving license and Vehicle Registration Certificates(RC).
- Government want to further development of Digilocker application to check the insurance as well as pollution expiry details(PUC) And Verify it.



LITERATURE REVIEW:

DigiLocker Application:

DigiLocker is a key initiative under Digital India, the Government of India's flagship program aimed at transforming India into a digitally empowered society and knowledge economy. Targeted at the idea of paperless governance, DigiLocker is a platform for issuance and verification of documents & certificates in a digital way, thus eliminating the use of physical documents. The DigiLocker website can be accessed at <https://digitallocker.gov.in/>. You can now access your documents and certificates from your DigiLocker on your mobile devices



DigiLocker is aimed at the concept of paperless governance.

It offers the following **Benefits**:

- Citizens can access their digital documents anytime, anywhere and share it online. This is convenient and time saving.
- It reduces the administrative overhead of Government departments by minimizing the use of paper.
- Digital Locker makes it easier to validate the authenticity of documents as they are issued directly by the registered issuers.
- Self uploaded documents can be e-Signed which is similar to the process of self-attestation.

Drawbacks of DigiLocker :

- Speed And Bandwidth
- Working On Image
- No Compression Technique
- No Verification
- No Notification
- No Details about PUC and Insurance



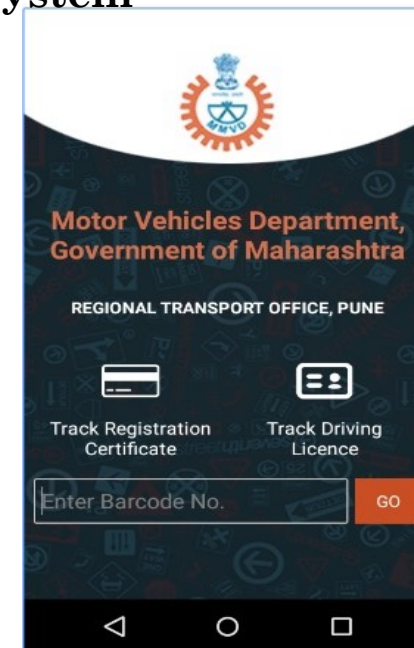
Driving License Info



RTO Vehicle Information



RTO RC and DL Tracking System



As per our survey, above applications are available to check the details of vehicle documents but these applications are not working as per user requirements.



OBJECTIVES:

- Enable digital empowerment of residents by providing them with Digital Locker on the hosting.
- Enable e-Signing of documents and make them available electronically and online minimize the use of physical documents.
- Ensure authenticity of the e-documents and there by eliminate usage of fake documents.
- Secure access to Govt. issued documents through a web portal and mobile application for residents.
- Reduce administrative overhead of Govt. departments and agencies and make it easy for the residents to receive services.
- Anytime, anywhere access to the documents by the resident.
- Ensure privacy and authorized access to residents' data.



PROPOSED SYSTEM DESIGN

❖ **Data Encryption:**

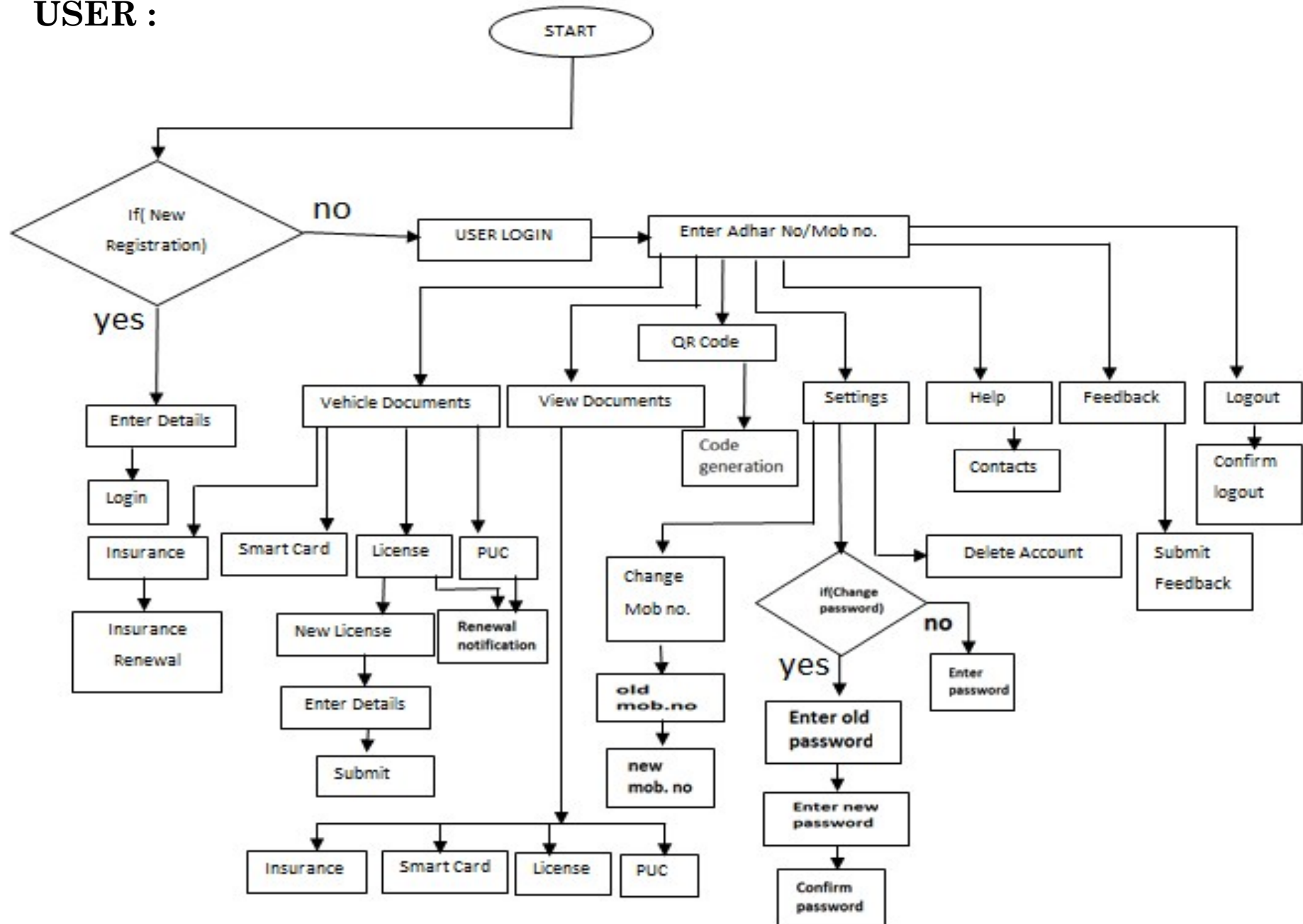
- **AES Algorithm**(Advance Encryption standard):-
AES is a symmetric encryption algorithm.
Data entered by user is encrypted by AES algorithm for specific fields.
- **Random Algorithm:**
Random Algorithm is an used for the OTP generation.

❖ **Verification:**

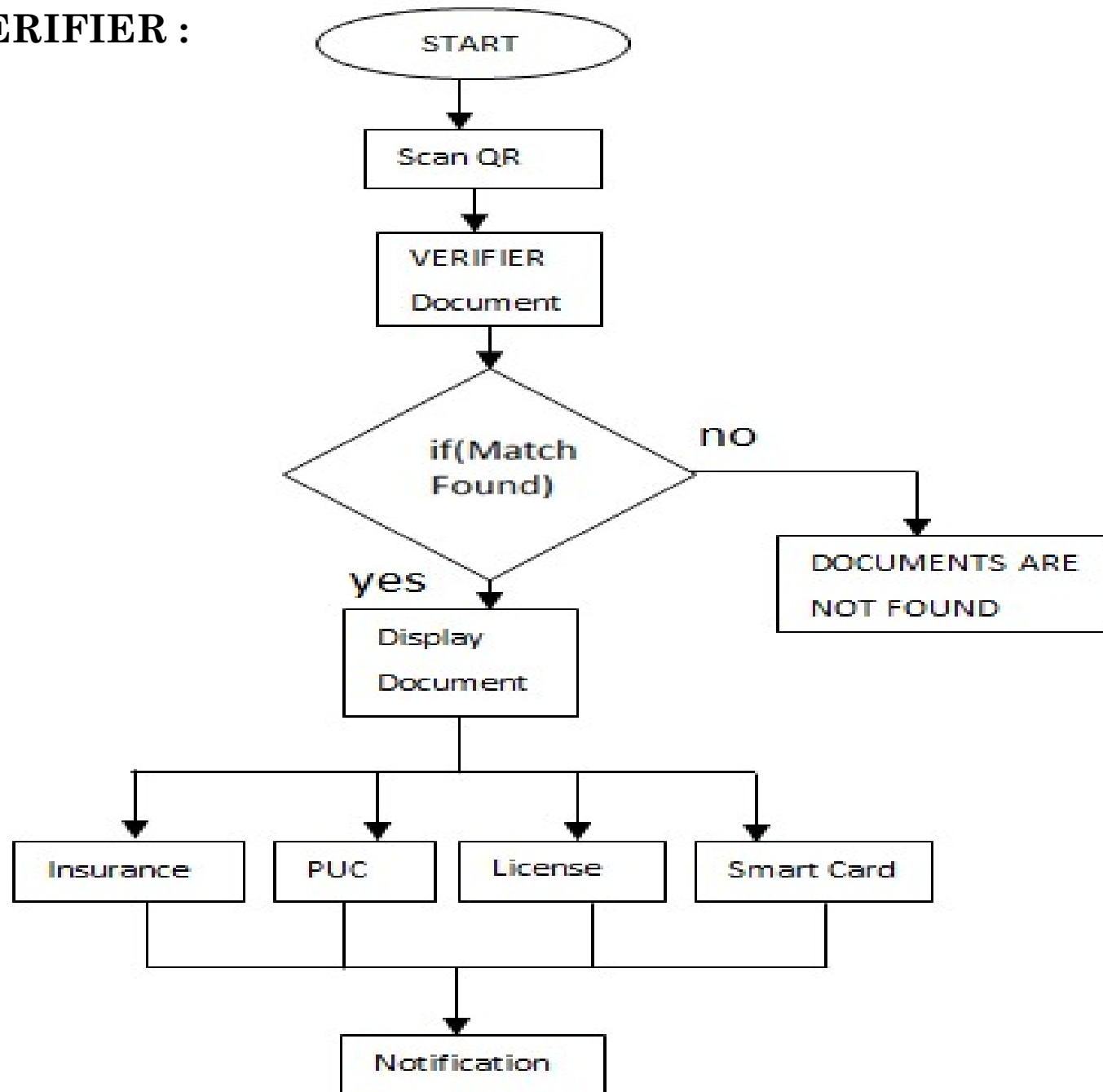
- **MAC** (Message Authentication code):
Using MAC, OTP will be send on the mobile no while login and registration ,
which is mentioned in the Adhar card and registered by user.
OTP will be sent on user's registered email-Id.



USER :



VERIFIER :



HARDWARE/SOFTWARE USED:

➤ **HARDWARE:**

☐ Android Phone

- Mobile must be running with minimum 512 MB of RAM and Android Version above (Ice-cream Sandwich).
- Device should contain Camera 3.2 MP because apps use the QR code with 25*25 module (27 character).
Camera with auto focus.
- Desktop/Laptop

➤ **SOFTWARE:**

☐ Android Studio 2.2.3

➤ XML

➤ PHP

➤ java

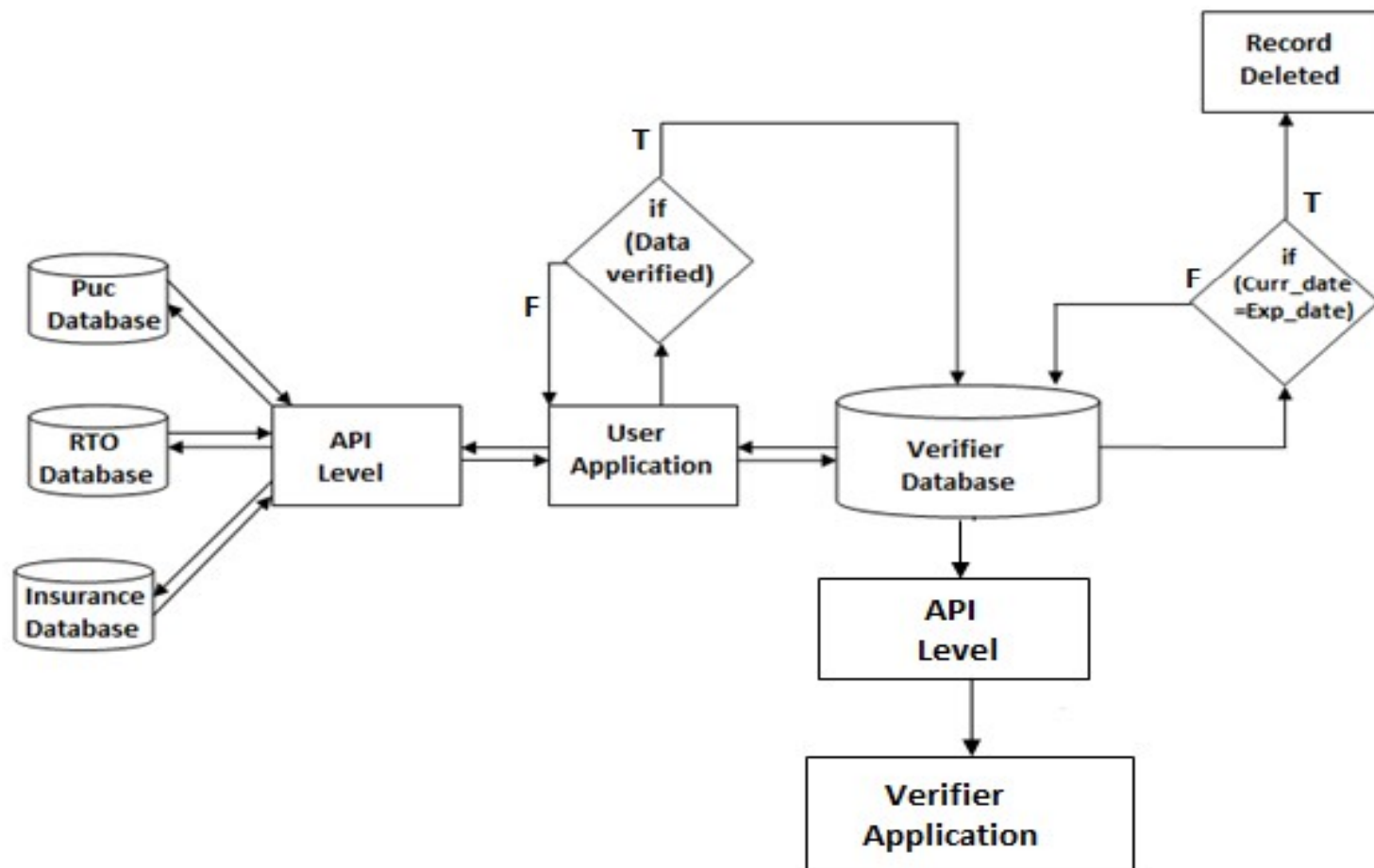
☐ Database

➤ WAMP(offline)

➤ Hosting(online)



SYSTEM ARCHITECTURE:



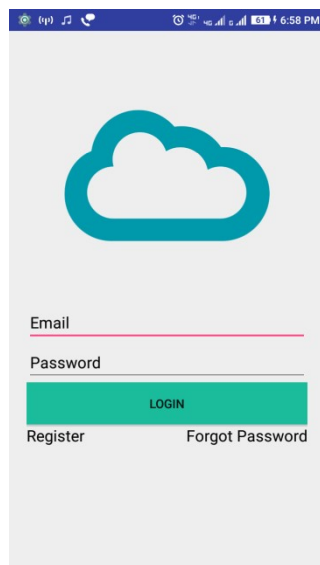
ADVANTAGES:

- Fast Access Time.
- Decrease frauds.
- It reduces use of physical documents.
- At any time anywhere access.
- Easy to validate Authenticity.



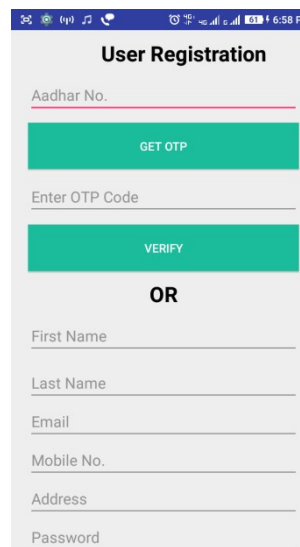
MODULE DESCRIPTION :

❑ USER APPLICATION:



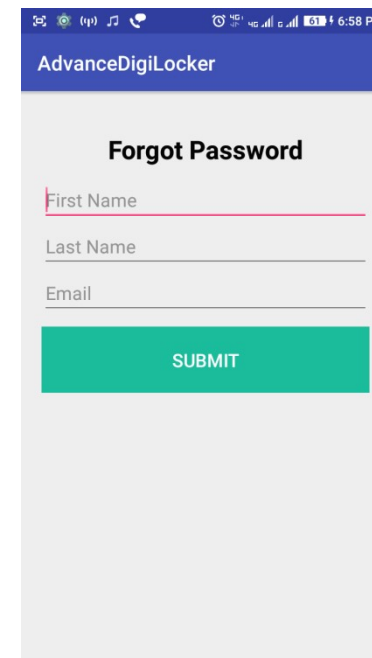
The login screen features a blue cloud icon at the top. Below it are input fields for 'Email' and 'Password'. A blue 'LOGIN' button is positioned below the password field. At the bottom, there are two links: 'Register' and 'Forgot Password'.

Fig: Login Screen



The user registration screen is titled 'User Registration'. It includes an 'Aadhar No.' field followed by a blue 'GET OTP' button. Below this is an 'Enter OTP Code' field followed by a blue 'VERIFY' button. A section separator 'OR' is present. The registration form includes fields for 'First Name', 'Last Name', 'Email', 'Mobile No.', 'Address', and 'Password'.

Fig: Registration



The 'Forgot Password' screen is titled 'AdvanceDigiLocker' at the top. It contains input fields for 'First Name', 'Last Name', and 'Email'. A blue 'SUBMIT' button is located at the bottom of the form.



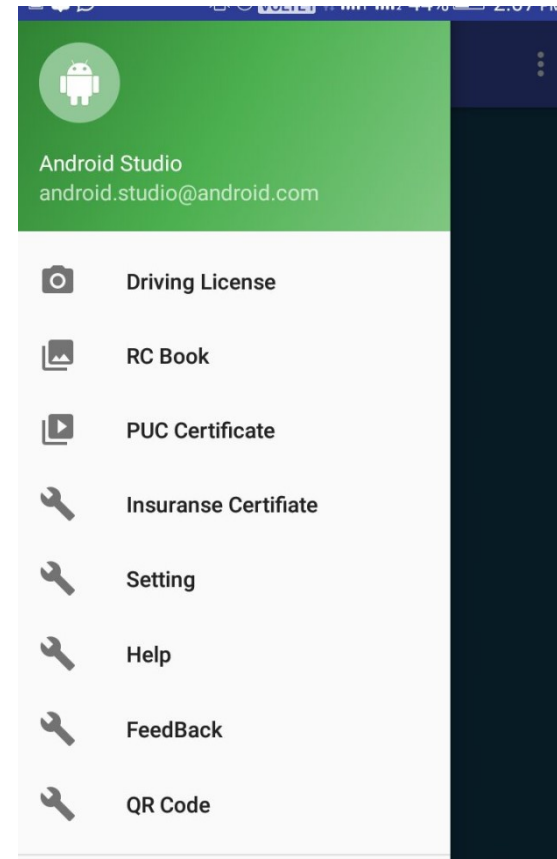
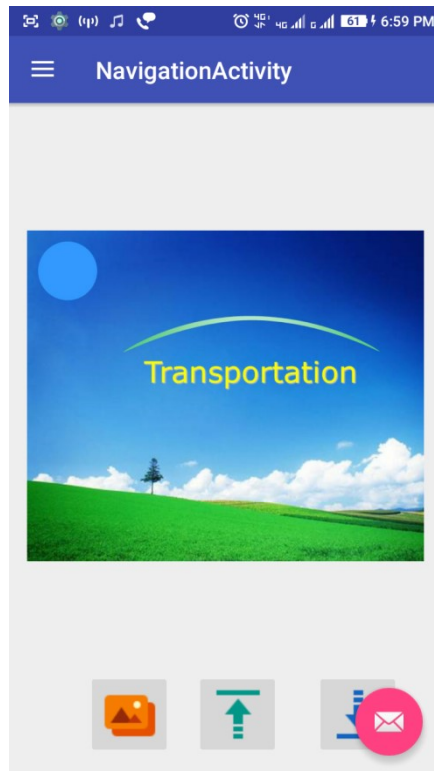
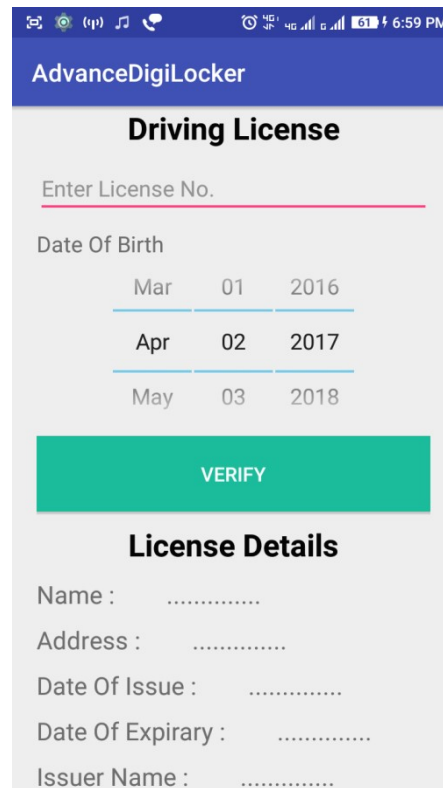
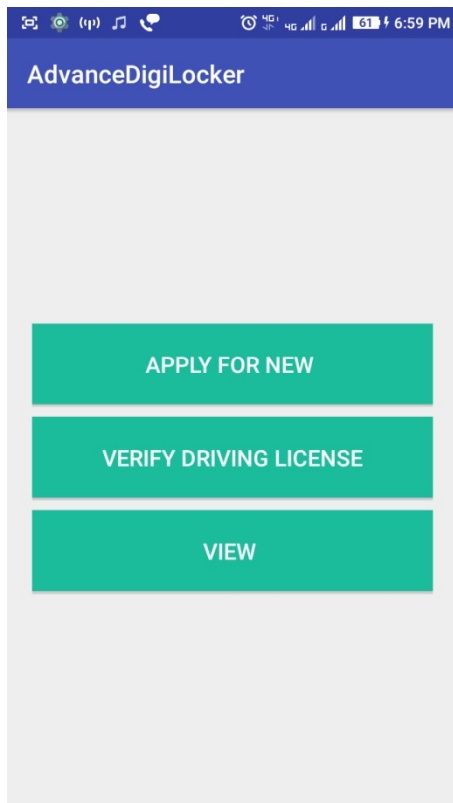
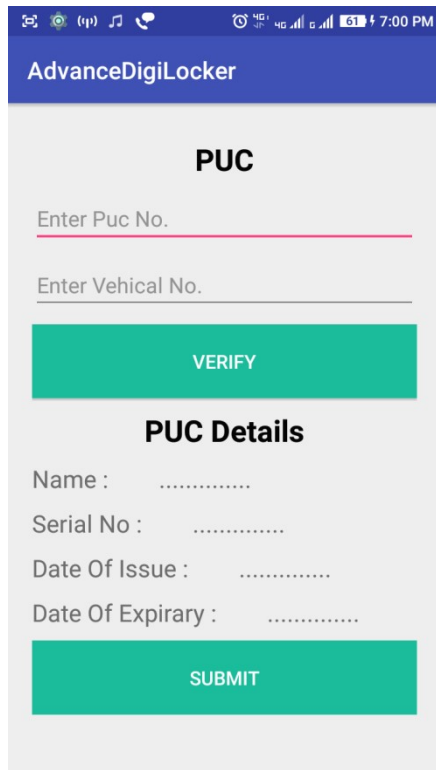


Fig : Navigation Drawer





AdvanceDigiLocker

PUC

Enter Puc No. _____

Enter Vehical No. _____

VERIFY

PUC Details

Name : _____

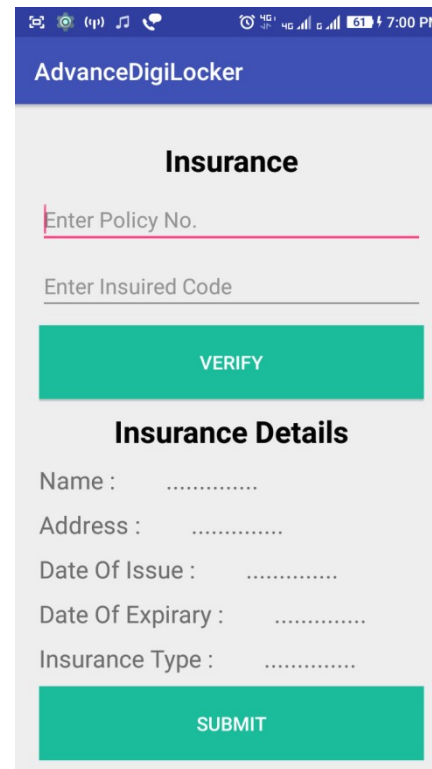
Serial No : _____

Date Of Issue : _____

Date Of Expiry : _____

SUBMIT

Fig: PUC



AdvanceDigiLocker

Insurance

Enter Policy No. _____

Enter Insured Code _____

VERIFY

Insurance Details

Name : _____

Address : _____

Date Of Issue : _____

Date Of Expiry : _____

Insurance Type : _____

SUBMIT

Fig : Insurance Certificate



❑ VERIFIER APPLICATION :

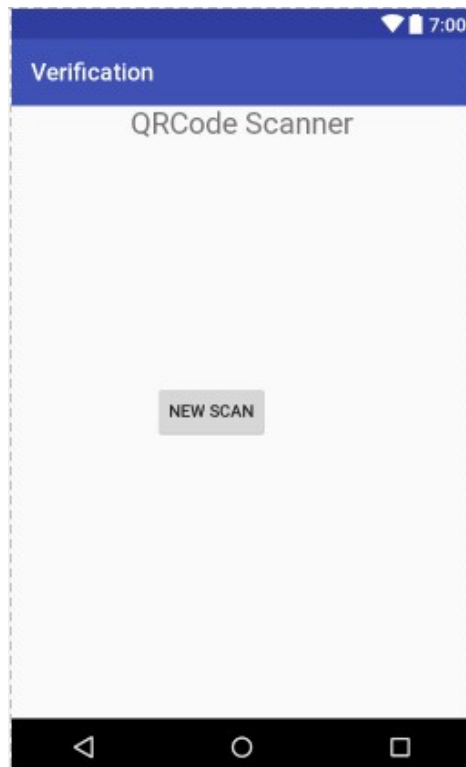


Fig: QR Code Scanner



Fig: Driving License



Verification

MOTOR INSURANCE CERTIFICATE CUM POLICY
SCHEDULE MOTORISED TWO WHEELERS PACKAGE
POLICY - ZONE B

Policy No :

Insured Code : Insured Name :

Address : Email :

Phone No : Agent Name :

Agent No : Insurance type :

Vehicle No : Engine No :

Issuee Office Code :

Issue Office Name: Address :

Email: phone No:

Date From: Date Till:

Period of insurance: chassis No:

Service tac:

Fig: Insurance

Verification

MAHARASHTRA MOTOR
VEHICLES DEPARTMENT

Pollution Test Certificate For
2/3/4 Wheeler AND Heavy PETROL/C.N.G /L.P.G

Moter Vehicle No :

Date Of Issuee :

Date Of Expirary :

Serial No	Emmission Test Result
.....	CO Monoxide :
	Hydro Carbon :
	Non-Methane HC :
	Reactive HC :

FINISH

Fig: PUC



Fig: Smart Card

❑ DATABASE

VEHICLE DOCUMENTS DATABASE

Driving Licence

RC Book

INSURANCE

PUC

AADHAR

SORT DL

DL_No

First_Name

Issue_Date

Expiry_Date

SORT RC

Card_No

Register_No

Register_Date

Expiry_Date

SORT INSURANCE

Policy_No

Insured_Name

Date_From

Date_Till

SORT PUC

PUC_No

Register_date

Test_Date

Expiry_Date

SEARCH DL

DL_No

First_Name

Issue_Date

Expiry_Date

SEARCH RC

Card_No

Register_No

Register_Date

Expiry_Date

SEARCH INSURANCE

Policy_No

Insured_Name

Date_From

Date_Till

SEARCH PUC

PUC_No

Register_date

Test_Date

Expiry_Date

CONCLUSION:

“Advance Digital Locker scheme launched under the Ministry Of Road And Transport is a good initiative taken by the Govt. of India to ensure safe custody of the important documents such as Driving License , PUC, Insurance ,Smart Card/RC Book etc. which Verify the Vehicle User electronically.

This move would in turn result in much more transparency, authenticity and eradication of red tapes and corruption to the maximum extent possible. This is a refreshing move towards making India ‘Digital’ .

Thus, for the program to be a success, it becomes imperative that there is absolute coordination between the departments and utmost commitment on the part of ministries .



REFERENCES:

[1] <https://digitallocker.gov.in/>

[2] Dr. Motet Pratapsinh Vitthalrao, Ms. Joshi Mugdha Mukund, Mr. Petare Purushottam Arvind, DIGILOCKER

(DIGITAL LOCKER- AMBITIOUS ASPECT OF DIGITAL INDIA PROGRAMME.), GE- International Journal of Management Research (GE-IJMR), VOLUME - 3, ISSUE- 6, June- 2015.

[3] http://deity.gov.in/sites/upload_files/dit/files/Digital%20India.pdf

[4] https://Aadhar Linked Digital Locker _ Business Standard News.htm

[5] <https://DigiLocker - Wikipedia, the free encyclopedia.htm>

[6] <https://blog.mygov.in/en/>

[7] https://things you should know about digital locker _ Business Standard News.htm

[8] <https://Indian Govt launches e-locker service for documents - MediaNama.htm>

s[9] <https://DigiLocker - Digital Locker for a Digital India.htm>



THANK YOU...

