

RFID

Smart Door Lock



# RFID SMART DOOR LOCK

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The digital door lock that works with an  
electronic RFID Card

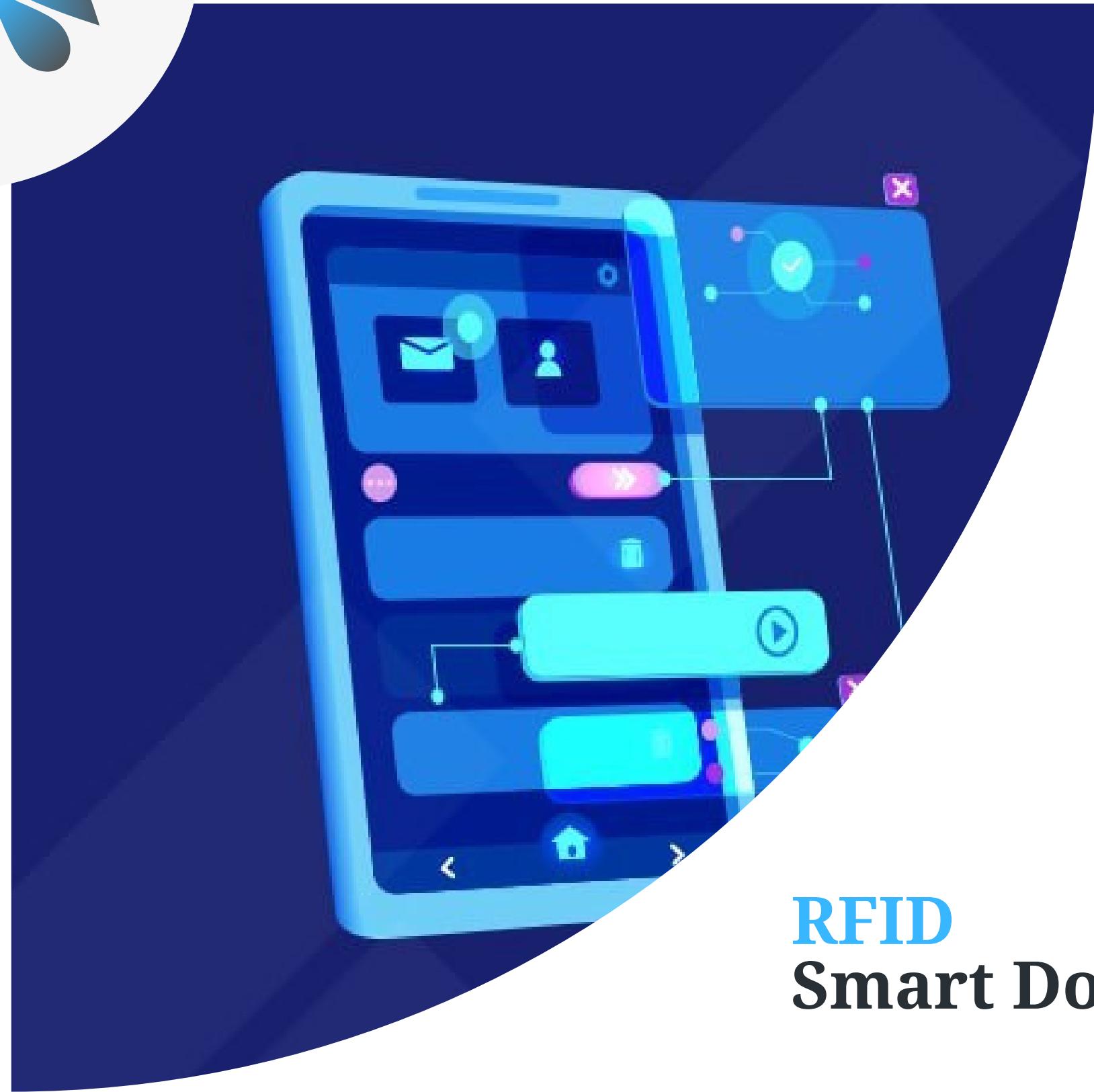
INTRODUCE

*Our Project*

# Problem Statement

The security aspect is the highest concern for everyone. To reach an acceptable implementation for the smart door lock security should be taken as a major challenge. So the main problem is that the locks coming in the market are highly priced and easily damageable and not affordable for the middle-class people.





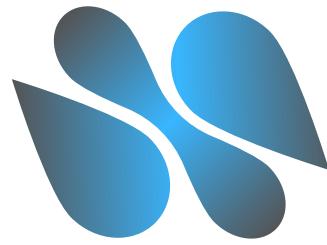
## RFID Smart Door Lock

# About Project

The Theme selected by us is Open Innovation  
**RFID Smart Door Lock**

Our door lock is a highly secure door lock that contains multiple mechanical locks to increase security and is operated with the help of an electronic RFID card. All the mechanical locks as well as the sensors are attached to the inner side of the door which provides security as no one can break the mechanical locks and damage sensors from outside the door.

If the card is lost or damaged then the door can be unlocked with the help of a smartphone application and this is the Application to control this model.



# RFID Smart Door Lock

This digital door locks work with the help of a digital RFID card and do not require any key to open which ensures more security as the number of combinations in the keys is limited but not in the case of a digital RFID card.



SMART DOOR  
LOCK

RFID SMART  
DOOR LOCK

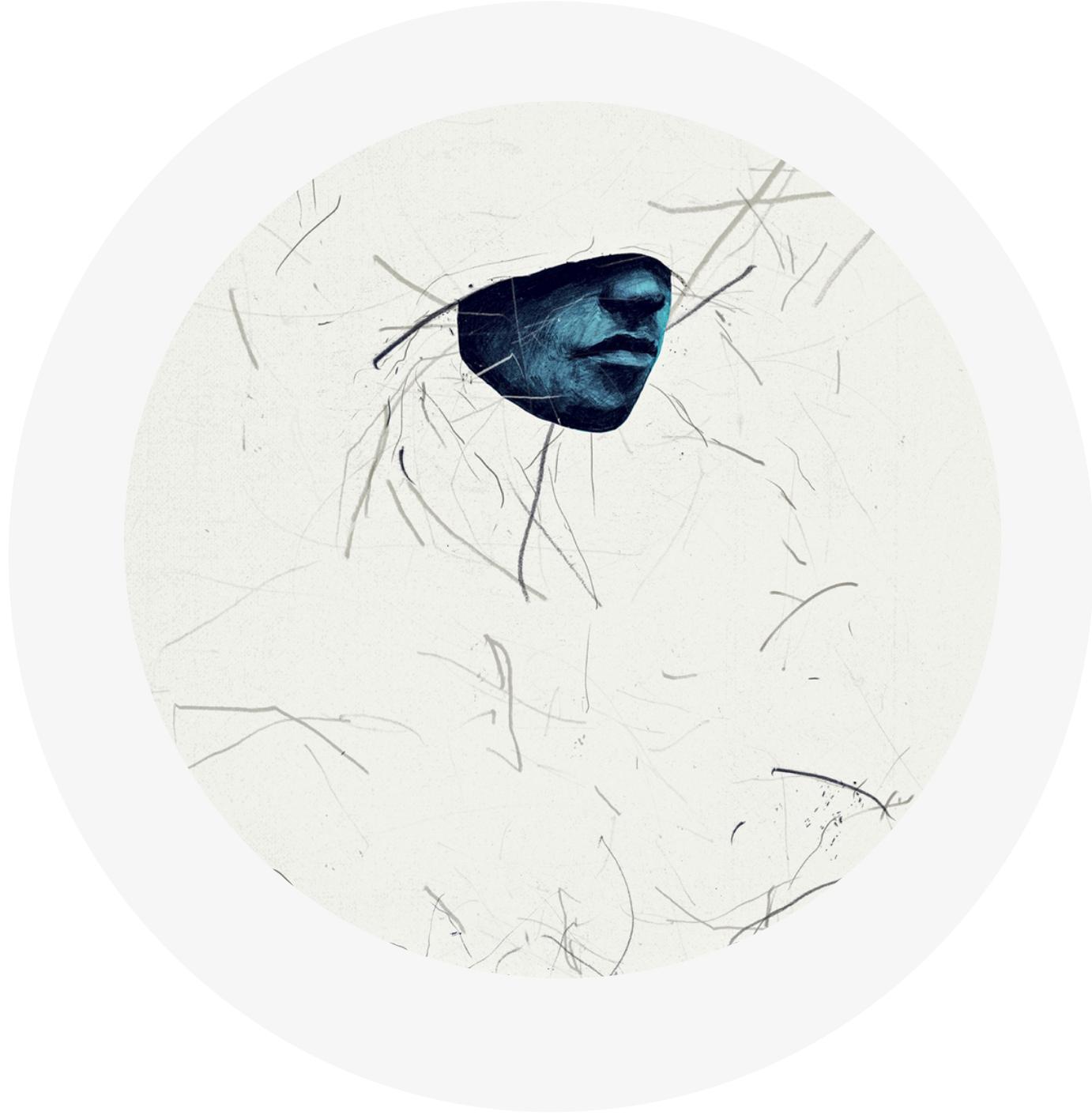
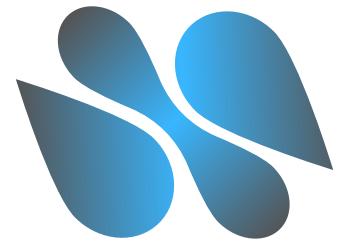


RFID CARD

R F I D   S M A R T   D O O R   L O C K

**How Different  
is it from other  
locks ??**



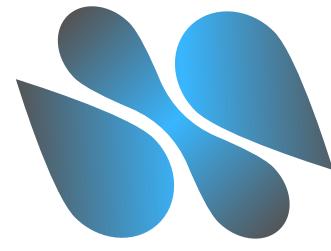


# Not visible from outside !!

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- All the sensors and components of the door are not visible from the outside and are attached to the inner side of the door which makes it resistant to any kind of damage to sensors.
- Also, any burglar will think that someone might be there in the house because the house is not locked from outside

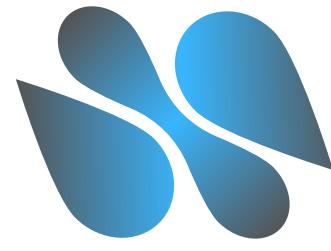




# Multiple mechanical locks !!

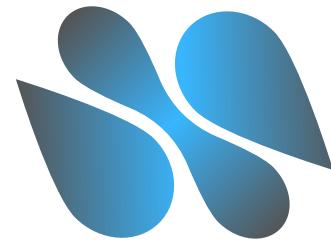
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Our door lock will contain 4 mechanical locks on the door making it very difficult to break the door and enhance its security.

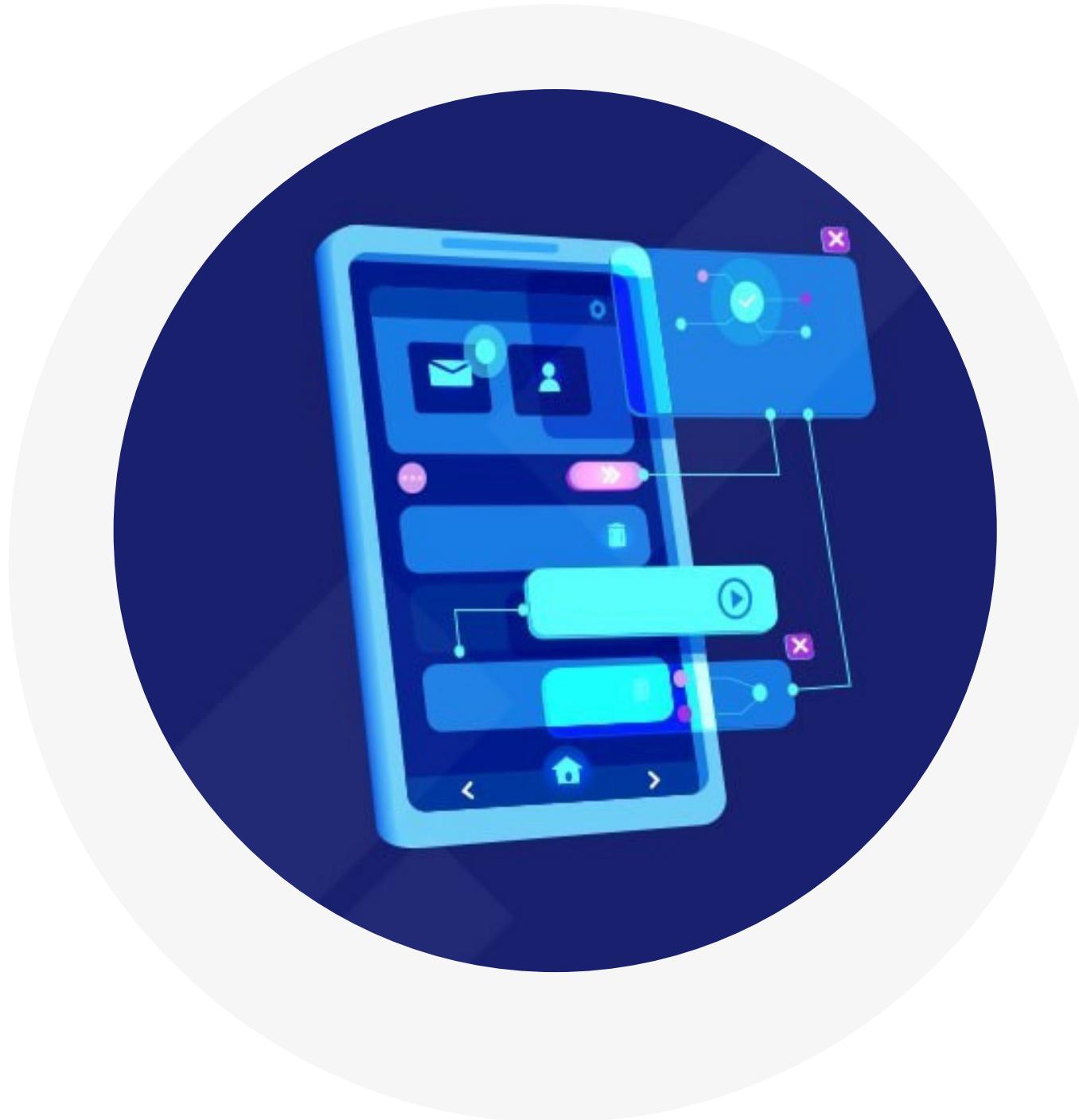


# Alert Features !!

- When the burglar will try to break the lock then the light of the lobby will turn on making the burglar think that someone is there in the house.
- If the burglar continues his activity in trying to break the lock then the alert siren will turn on and alert the owners and neighbors.



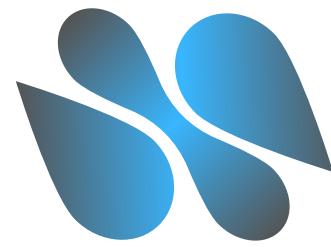
R F I D   S M A R T   D O O R   L O C K



# Controlled by mobile application !!

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This digital lock can also be unlocked with the help of a mobile phone application.



# RFID Smart Door Lock

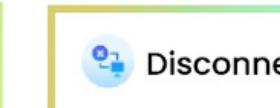
# Application



RFID Smart Door Lock



Scan



Disconnect



RFID Owner Name : VP2 Coders



Enter Password



Disconnected



VP2 Coders

Home Screen



RFID Smart Door Lock



Home



About

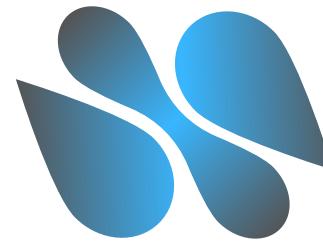


Developers



VP2 Coders

Menu Screen



# RFID Smart Door Lock

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## About Screen

# Application - Continue



RFID Smart Door Lock



Developers



Prakhar Bansal

BackEnd Developer | IOT Developer



Prachi Jain

Python Developer | FrontEnd developer

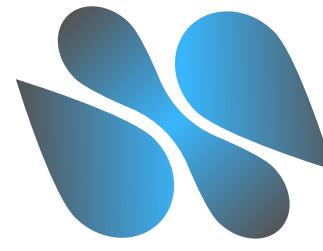


Vishal Saraiwal

FrontEnd Developer | UI/UX Designer  
Programmer



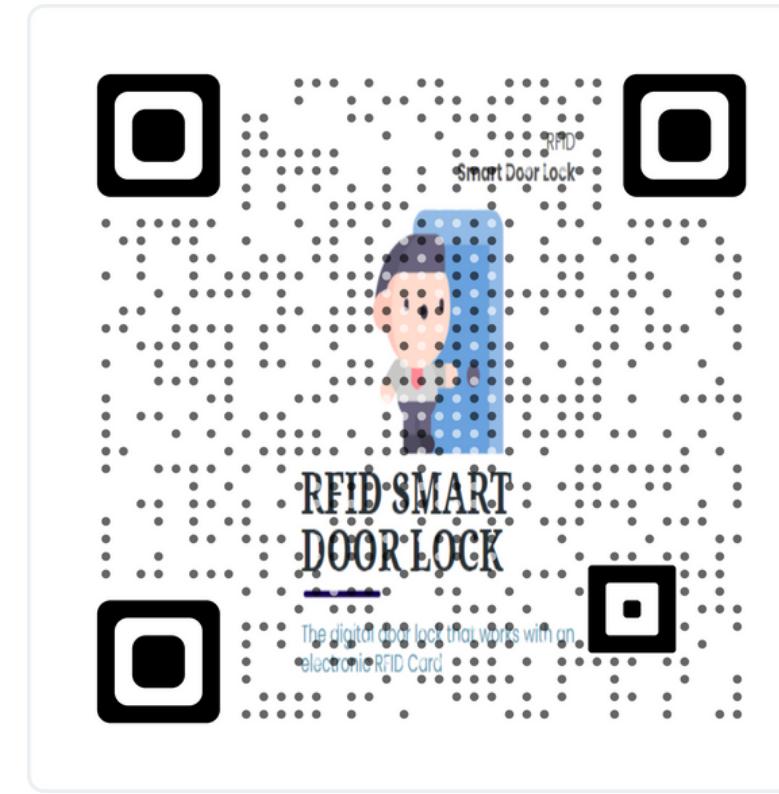
## Developers Screen



# RFID Smart Door Lock

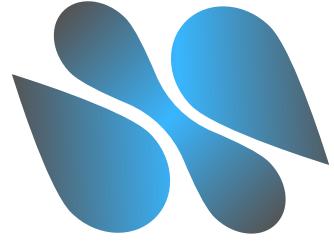
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## Application



**Scan QR Code**  
To Download Our Application

RFID SMART DOOR LOCK



# THANK YOU

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Thankyou for giving us such a wonderfull Opportunity

R F I D   S M A R T   D O O R   L O C K

**RFID**  
**Smart Door Lock**

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