A Project Report on

Automatic Drone Teller Machine

Submitted in partial fulfillment of the
requirement for the award of the degree of

Bachelor of Technology in Computer Science and Engineering

Under The Supervision of

Assistant Professor
Department of Computer Science and Engineering

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CANDIDATE'S DECLARATION

I/We hereby certify that the work which is being presented in the project, entitled " Automatic **Drone Teller Machine**: A cross-platform Application " in partial fulfillment of the requirements for the award of the

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

submitted in the School of Computing Science and Engineering of Galgotias University, Greater Noida, is an original work carried out during the period of JULY-2021 to DECEMBER-2021, under the supervision of Mr.V. ARUL, Assistant Professor, Department of Computer Science and Engineering of School of Computing Science and Engineering , Galgotias University, Greater Noida

The matter presented in the project has not been submitted by me/us for the award of any other degree of this or any other places.

BILAL AHMED – 20SCSE1010307

BULBUL AGARWAL – 20SCSE101029

This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

Supervisor

(_____, Assistant Professor)

CERTIFICATE

The Final Thesis/Project/ Dissertation Viva-Voce examination of 20SCSE1010307- BILAL AHMED, 20SCSE1010269- BULBUL AGARWAL has been held on 21/12/21 and his/her work is recommended for the award of BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING.

Signature of Examiner(s) Signature of Supervisor(s)

Signature of Project Coordinator Signature of Dean

Date:

Place:

ABSTRACT

In the fast moving modern world everything is changed to provide a better life for humanity. New developments make this as a reality. So we were decided to develop an Automatic Drone Teller Machine. The importance of the automatic face detection and trackingsystem has increased as it is needed for video surveillance and new user interfaces.

Automatic Drone Teller Machine is a type of drone which carries a small ATM machine. It helpspeople by delivering the cash to their door step with at most security. UCD will be helpfulto people by delivering the cash to remote areas or the places where the ATM facilities aren't available nearby. When it receives signal from the associated application, then it locates the place using GPS.Therefore, the Automatic Drone Teller Machine plays an important role in facial recognition. In this paper, we intend to implement a real-time Face detectionand motion detection from high definition video using Python, OpenCV and Django.

Opens libraries are used for face detection and tracking the head poses position. The experimental result computed by using computer vision OpenCV framework library.

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INTRODUCTION

An Automatic Drone Teller Machine stands for Automatic Drone Teller Machine It is a type of drone wich carries a small UCD machine.It helps people by delievering the cash to their door step

Literature Review

Automatic Drone Teller Machine will be helpful to people by delivering the cash to remote areas or the places where the UCD facilities aren't available nearby

When it receives signal from the associated application, then it

locates the place using GPS.

When it reaches the user, the user will login in with his/her confidential followed by captcha and OTP code on the linked application and enter the OTP on the URGENT CASH DRONE system for verification to get the process to be proceed and delivers the cash to the person and retums.

In case someone tries to harm the device, then it starts beeping and delivers signal to the nearest police station and the main office as well

There are many substation situated around the city which help the

drone to settle at time of harsh weather conditions.

TOOLS USED FOR IMPLEMENTATION

For Drone: -

- Propellers
- Brushless Motors
- Electronic Speed Controllers
- Reciver
- Transmitter
- GPS Module
- Battery
- Camera

For App:-

- A programming language preferably PYTHON or JAVA.
  Considering java or python because they are easily codeable.

- App studio for better interactive platform for users.
  An user-friendly app always a first choice of users.

- General Function For Smooth Transaction.

- A feedback platform for users.
  Feedback helps making the app better day by day.

PROBLEM FORMULATION

As the youth is getting creative day by day generation by generation, they tends to explore every single side of life for adventure, knowledge, to gain perspective and for fun basis.

So being in this era of life you could never afford to move with slow pace, neither this generation cope with slowness, having this aspect in mind our Drone will provide a platform for the people who wants immediate cash.

This Drone namely URGENT CASH DRONE carries a small UCD machine.
It helps people by delievering the cash to their door step

We Use a strong password for your base station app. Using a mix of letters, numbers and special characters to create a strong password will deter hackers; most will give up and go after easier prey. This should help avoid a malefactor hacking the drone signal

CODE FOR THE PROGRAM

```
#include <iostream>

using namespace std;
class person
{
   char name;
   int password;
   int mob[4];
   public:
   void getinfo()
   {
      cout<<"enter your name";
      cin>>name;
      cout<<"create a password(must be an 4 digit number)";
   }
};
int main()
{
   int answer;
   cout<<"welcome to budget share"<<endl;
   cout<<"want to start new project"<<endl<<"input 1 for (yes) and 0 for
(no)"<<endl;
   cin>>answer;
   if(answer==1)
   {
```

```
        cout<<"new project established enter your details"<<endl;
    person p1;
    p1.getinfo();
    }
    else if(answer==0)
    {
        cout<<"thanks for input wanted an old project to continue"<<endl;
    }

    return 0;

}
```

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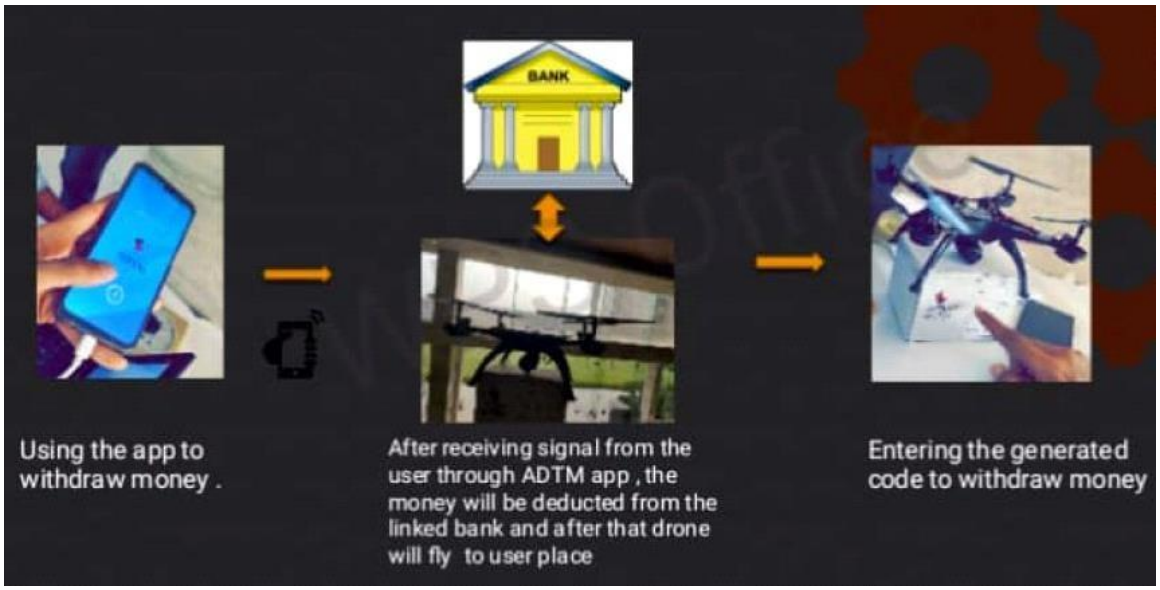
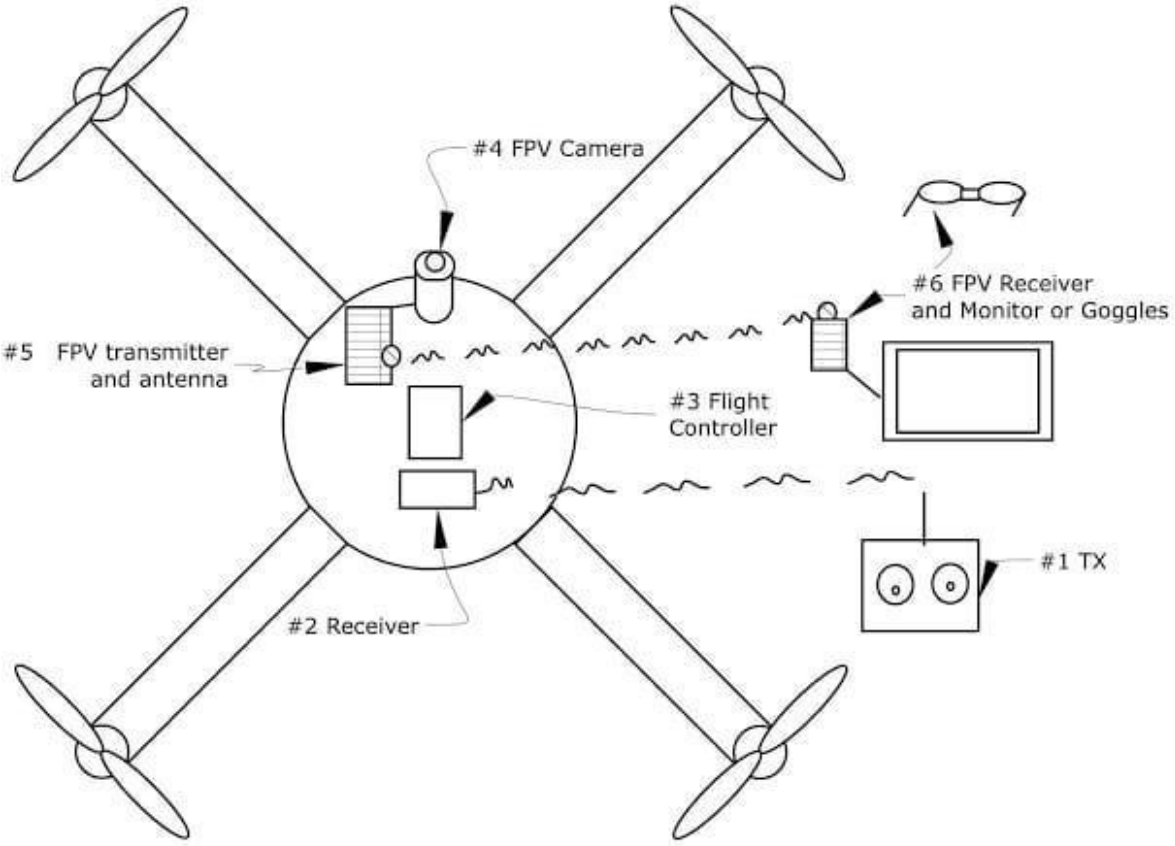


Quadcopter wiring diagram



MERITS OF PROPOSED SYSTEM

- To provide easy availability of cash in rural areas.
- Less Time taking.
- Cost efficient.
- Reduce human efforts
- Easy to handle.
- They have a ability to hover and very stable.

Implementation and Description of Project Modules

- **Making Of Automatic Drone Teller Machine-**
- Construction Steps :

- Take a base frame.

- Assemble all the parts of the drone

- Assemble the drone with small UCD machine

- Add coding to small UCD machine to type generated code in the machine.

- Link the app with drone and bank Construct the safe box at several places and add adreno chip and code and link it to the control system

- Add the Al train model to the drone

- Pass it through VAPT.

- Add the backtrack option in the model

- **Automatic Drone Teller Machine App-**
  The URGENT CASH DRONE APP is the basic application to control structural function of the ADT Dens well as transactions Through it.