Building Smart Drones with ESP 8266 and Arduino| MENTOR MEETING

2nd October, 2019 | *Time: 06:00 PM – 07:00 PM* | Meeting location: Zoom Meeting

Type of Meeting:

Video Conference

Attendees:

Mentor: Dr. Duo Chen

Team Members:

Thati, Sravika

Patel, Binal

Mohammed, Ehtheshamuddin

AGENDA

Time allotted: *06:00 PM – 07:00 PM*

Agenda topic: *Assembling and communication of the Drone*

Minutes:

- **Question and Answer:**

1. **Binal:** Do we need to use Telemetry?

   Answer: Yes, because we need a communication.

2. **Sravika:** We can also communicate Drone with the phone through the ESP 8266, right?

   Answer: Yes, it's another way to communicate. Wi-Fi module allows you to communicate with a small amount of range.

3. **Dr. Chen:** What language you are using to program ESP 8266?

   Sravika: Using C programming language. Dr. Chen replied that he uses LUA for programming.

4. **Binal:** Can we use Java?

   Answer: C is preferred to control the micro controllers. If you want to use other languages use python but not Java as it is a high -level language it might get complicated.

5. **Ehtheshamuddin:** If we use wifi module to communicate, Is that okay?

   Answer: It's okay

6. **Ehtheshamuddin:** How to connect Arduino Nano and ArduPilot?

   Answer: There are two ways for the communication: either use Arduino Nano or ArduPilot. If we use ArduPilot then communication occurs using Telemetry or Remote Controller.

Conclusion: Detail discussion occurred on the different ways to communicate the drone with Smart phone. Conversation ended with the conclusion to make drone using ArduPilot with the Telemetry or Remote Controller.

Future Action Items:

- Connect the telemetry and GPS module to the ArduPilot.
- Start to build communication between the Drone and Smartphone.
- Watch videos about Calibration of drone.
- Start calibrating the components and programming.

Deadline: 15th October, 2019