Building Smart Drones with ESP 8266 and Arduino| MENTOR MEETING

10th September, 2019 | *Time: 05:00 PM – 06:00 PM* | Meeting location: Zoom Meeting

Type of Meeting:

Video Conference

Attendees:

 Mentor: Dr. Duo Chen

 Instructor: Dr. Sha

 Team Members:

 Thati, Sravika

 Patel, Binal

 Mohammed, Ehtheshamuddin

AGENDA

Time allotted: *05:00 PM – 05:40 PM*

Agenda topic: *Finalize the required components to buy.*

Minutes:

- **Question and Answer:**

  1. **Binal, Sravika:** Node MCU as in-built ESP 8266 then do we need to buy ESP 8266 separately?

     Answer: No, just buy Node MCU and use its ESP 8266.

  2. **Binal, Sravika, Ehtheshamuddin:** Do we need to build GPS Tracker using ESP 8266 in specific Follow Me Drone?

     Answer: Yes

  3. **Ehtheshamuddin:** Which is preferable Arduino Nano or Ardunio Uno?

     Answer: Ardunio Nano

  4. **Sravika:** Need smart phone for GPS tracking, right?

     Answer: Yes, Smart phone has wi-fi module which will be used to connect the drone.

  5. **Binal:** Is there any requirements of Transmitter and Receiver specific for Follow me Drone?

     Answer: No, that will be used in other drones.

6. **Ehtheshamuddin, Sravika:** Which is preferable to buy components together or separately?

   Answer: Buy separately as in future we have option to replace.

7. **Ehtheshamuddin:** Can we add soldering kit in list?

   Answer: Yes

8. **Binal, Ehtheshamuddin:** Which speed controller to be used 100A or 30A?

   Answer: Better to buy with 100A

Conclusion: Detail discussion occurred on each component with features, price and quality. Clarification was done about some technical concepts such as ESP8266, GPS tracking. Conversation ended with the conclusion to buy all the components from Amazon, which can be more reliable vendor and easy to get components.

Future Action Items:

- Finalizing components and order the components.
- Watch videos about assembling of drones.
- Prepare requirements specification documents.
- Create project plan.
- Learn to calibrate the components.
- Make first project presentation on requirement specification of the project.

Deadline: 17th September, 2019