

MoM – Meet Team 41 with Dr. Suraj Bonagiri (Arka Aerospace)

Date: 22-Jan-2024

Duration: 45 mins

Key Points

- The GUI for the Anti Drone System has been partially developed and has been shared as a Github repository. We have to build upon it keeping the end user in mind.
- First task – Get acquainted with the existing code and try adding simple changes into the code – till 31st Jan.
- Already Mavlink is completely ready, we just need to use it to interface with the drone.
- Documentation for the existing code is missing and creating the same is also a goal for the project.
- The most important part of the GUI is the Map, and we must implement features like zooming in when drones come close, controls for the drone, icons for the map to depict status of enemy drones and drawing trajectories on maps.
- For maps, we are currently using open maps, but we will shift to military maps for which there will be a obj file given. Need to make a feature to import your own map.
- Other Features include video feed integration, dark mode, keeping logs about the kills.
- The UI has to be improved a lot and has to be designed in such a way that it is usable by an army personnel. Easy of use is key.