**PROGRESS of PROJECT :**

* Disintegration of GPS MODULE
* How to Connect 5 pins of Phantom GPS module with 6 pins in Pixhawk & and given GPS dome
  + Gathered information about the working of pins in Phantom GPS
  + Gathered information about the GPS pins in Pixhawk
  + A New Challenge: conversion of 5V ( Vcc of Pixhawk ) to 3.3V (Vcc of phantom GPS)
    - Solution: Voltage regulator or IC ([LM317 IC](https://www.electronicscomp.com/lm317-ic?gclid=Cj0KCQjwusunBhCYARIsAFBsUP_mLgdd4o1eVuLWJAM_OD1WHva6Q8lVwdw6XnO80kmsPuGNJhB4aKcaAud3EALw_wcB)) 🡪ORDERED
    - Solution given by Atul Sir: ESP 32:
      * Connect Vcc of GPS with 3V3 pin of ESP-32 and give a common GND to both Pixhawk and GPS from ESP-32
* Complete study of GPS dome and Working of Jammer
* Integrated NEO-M8M GPS module with Pixhawk
* To study about I2C Communication and UART Communication
* Integrated phantom GPS module with Pixhawk
* Integrated Phantom GPS with Swam Drone Fleet
* Integrated NEO-M8M GPS module and Titan GPS Antena with Pixhawk – catching up to 9 Sats Successfully
* Anti-GPS Jamming Systrem assembled -> successfully working with our jammer and catching a maximum of 17 sats and a minimum of 4 sats(in the worst case)
* Team formed :
  + Product Development :
    - Anil Kumar: [2022uch040@iitjammu.ac.in](mailto:2022uch040@iitjammu.ac.in)
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  + Product Design :
    - Jejariya Ajaybhai : [2022uee0133@iitjammu.ac.in](mailto:2022uee0133@iitjammu.ac.in)
  + Research :
    - Raja Bharadwaj : [2023uce0064@iitjammu.ac.in](mailto:2023uce0064@iitjammu.ac.in)