**AIR VELOCITY DETECTION AND BOAT DISTANCE MEASUREMENT FOR FISHERMEN SAFETY USING IOT & RF SIGNAL**

**PROJECT DESCRIPTION:**

* The aim of the project is to help the fisherman for identifying border in the sea area while fishing and also provides additional benefits to the fisherman
* This method uses the RF transmitter and RF receiver to identify the borders and sends the information to microcontroller
* Then microcontroller perform function as turn off the motor and also GPS location also send
* Ultrasonic sensors are used to detect the obstacles on the way of the boat it Saves lives of fishermen. We have fixed 3 ranges to intimate the fishermen. When they reach each region this system will give an alert.
* Even though after reaching the restricted zone the fishermen not returned to safe zone then this system will automatically make the boat to move back from the restricted zone to safe zone.
* This project also used to find the velocity of the air this is also additional helpful to the fisherman
* This method is totally connected to the internet of things and information will be send to the required person with help of a mobile application called Blynk.