

# **PROJECT : REMOTE CONTROLLED DRONE QUADCOPTER**

## **PROJECT DESCRIPTION**

WE WANT TO MAKE A QUADCOPTER WHICH CAN BE CONTROLLED BY BY A REMOTE USING A TRANSMITTER AND A RECIEVER. WE WOULD TRY TO ADD A FRONT CAMERA WITH THE COPTER AT THE FINAL STAGE.

## **IMPLEMENTATION STEPS**

**1ST AND 2ND WEEK - WE WILL TALK TO MENTORS AND DECIDE THE PLAN OF ACTION.,DESIGN THE STRUCTURE OF THE COPTER,AND PURCHASE THE REQUIRED MATERIAL OR COMPONENTS AFTER DISCUSSIN WITH MENTORS.**

**3RD AND 4TH WEEK– WE WILL MAKE THE MODEL,REPORT FOR MIDWAY EVALUATION.**

**5TH AND 6TH WEEK– WE WILL TEST THE MODEL AND IF WE WILL GET ENOUGH TIME WE WILL INSTALL A CAMERA. THEN WE WILL FINALLY TEST THE COPTER AND DEBUG IT.**

## COMPONENT REQUIRED AND COST ESTIMATION (APPROX)

1.BRUSHLESS MOTORS

2.GEAR SERVO

3.FLIGHT CONTROLLER BOARD

4.LIPO PACK

5.WHEEL,ARM ETC

6.JUMPER WIRE

7.QUADCOPTER REMOTE AND TRANSMITTER,RECIEVER

(EXPECTED TO BE PROVIDED BY MENTOR)

8.CAMERA(IF NEEDED).

## LEARNING ASPECTS

STUDYING THE CONTROL SYSTEM OF MULTIROTOR,DESIGNING,  
STABILITY AND OPERATING