Name - Pratik Rajesh Jade
Roll no - A72 Title - Study of Throttle control in Quad Copter and ITS Controlling Throttle controls the vertical up and down motion of the drone Positive throttle will make the drone fly higher I negative throttle will make the drone fly lower you is the left and right rotation of the drone Positive you will make the drone turn to the right and negative you will make the drone turn to The He operational event When the quadratics is found up f (Dad of farmy as Pushing the sight stick to the Hightorton the quality to the Throttle To increase hush the left stick forwards. To decrease, full the left stick backwards. This adjusts the altitude, or height of Control - With any of these controls, the harder you push the stick, the stronger your quadrapter will move in either direction. When you first startout, fush the sticks very gently so the quadrofter ferforms slight movements. As you get more comfortable, you can make shacker movements

There are four moin quadropter controls: Koll Yaw Throttle Throttle- gives the propellers on your quadropter enough power to get airborne. When flying you will have the throttle engaged constantly To engage the throttle hist the left stick forwards To disengage, full it backwards Make sure not to disengage completely until might damage the quadrafter, and your training will be cut Important note-When the quadcofter is facing you (instead of facing away from you) the controls are all switched. 2 Gushing the right stick to the right moves the quadrofter to the right (sol)
3 Pushing the right stick forward moves the quadrofter forward (fitch)
4 Bushing the right stick backward moves the quadrofter backward (fitch)

Powering up. Powering of. Turn on Transmitter remote control and open up DII go 4 app 2 Turn on aircraft 3 Verify established connection between transmitter and air craft Position antennas con transmitter toward the sky Verify display panel/FPV screen in functioning properly. Calibrate Inertial Measurement Unit (IMV) as needed. 7 Calibrate compas before every blight

8 Verify lattery / fuel levels on both transmitter and aircraft 9 Verify that the VAS has acquired GPS location from at least Sin Satellites Taking off. Take-off to eye-level attitude for about 10-15 seconds
Look for any imbalances or irregularities.

Listen for abnoomal sounds

Pitch, roll and you to test control response and sensitivity.

Cheak for electromagnetic interference or other software warning.

Po one final check to secure sofety of flight operations area.

Proceed with blight minion Proceed with flight mission O descend climb 4 descend events. Thrust Moment The m-thrust is a part of the enternal moments acting on the system, described by the propeller thrust F-thrust and the distance I' from CG to the centre of the propeller: To is a constant which converts the threat into movement. Representation of Various districts in monuse Summary - The throttle control in quad copter as well as its controlling principle have been verified in this experiment.