



Preliminary Design of Drone for Security

MUHAMMAD KHAIREE BIN MOHD NAZMI

Faculty of Communication, Visual Art and Computing
Universiti Selangor

INTRODUCTION

Based on the Turkish drone, Bayraktar TB-2, the drone was designed using AutoCAD 2022. The 4 views that was designed are front, top, right and also the isometric view. The purpose of the drone is to provide military surveillance towards enemy territories while remaining undetected

MECHANICAL DESIGN

The drone has 1 front wheel and 2 back wheels, a propeller engine, 2 wings and also the rear flap to control the movement of the drone. Missile is an additional part of the drone that can be attached below the wings of the drone.

DRONE APPLICATION

The drone application is to provide military surveillance towards enemy territories while remaining undetected. It is also used to destroy enemy target with the provided missile. For example, the Ukrainian army has been using the Bayraktar TB-2 to destroy enemy tanks in their territory.

REFERENCES

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