



# DESIGN AND FABRICATION OF AN ORNITHOPTER

An ornithopter (from Greek ornithos "bird" and pteron "wing") is an aircraft that flies by flapping its wings. Designers seek to imitate the flapping-wing flight of birds, bats and insects.

## Features:

Though machines may differ in form, they are usually built on the same scale as these flying creatures. Project's main aim is to learn the aerodynamics of the birds and fabricate flapping type bird and also can lift some payload. The application of payload can be used to mount gun for automatic assassination. Aerodynamic analysis is done through FEM analysis and all the fluid movement is analysed critically for its designing.