

Design, Development and Aerodynamic Analysis of Ornithopter

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***Abstract:** In contrast to traditional fixed-wing aircraft, an ornithopter is essentially an aircraft that flies by flapping its wings. They have a wide range of uses, particularly in the military. Knowing what kind of wings to choose is essential for creating an ornithopter with the desired performance. Evidently, the kind of wing must be chosen by doing aerodynamic experiments on various wings and choosing the one with the desired properties. Based on an aerodynamic investigation, the wing is decided to be the ideal planform for this project.*

Keywords: Ornithopter, Flapping, Aerodynamics, and Ansys software

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