## **VTOL Aircraft** Actual Start Plan Duration % Complete (beyond plan) Designing a vertical take-off and landing aircraft process Period Highlight: % Complete Actual ACTUAL ACTUAL PERCENT **ACTIVITIES** PLAN START COMPLETE PERIODS DURATION START DURATION 10 14 15 Market and Literature Reasearch 100% **Problem definition and Functional** 100% Requirements **Conceptual Design Research** 100% 50% Airfoil Selection **Concept Evaluation and Selection** 100% Wing Design and Lift Analysis 0% **Tail Design and Stability Analysis** 0% Rough Fuselage Design and CFD Analysis 0% for Drag **Motor and Propeller Selection** 0% 11 0% **Designation of Motor Positions** Wing Stress Analysis 11 0% Tilt Mechanism Design 12 0% **Material Selection** 13 0% **Detailed Design** 13 0%