| ID | Task Name | Work | Duration |
|---|---|---|---|
| 1 | **Project Hybrid UAV** | **431 hrs** | **5 days?** |
| 2 | ~~1. Project Start-Up~~ | ~~400 hrs~~ | ~~5 days~~ |
| 31 | ~~2. Project Definition~~ | ~~404 hrs~~ | ~~4,88 days~~ |
| 62 | ~~3. Conceptual Design~~ | ~~1.143...~~ | ~~17 days~~ |
| 89 | **4. Conceptual Subsystem Design** | **157 hrs** | **9 days** |
| 90 | **4.1 Preliminary Design Phase Initialization** | **29 hrs** | **2 days** |
| 91 | 4.1.1 Update technical task division and form subsystem teams | 1 hr | 1 hr |
| 92 | 4.1.2 Generate compliance matrix | 3 hrs | 3 hrs |
| 93 | 4.1.3 Generate H/W S/W block diagram | 15 hrs | 15 hrs |
| 94 | 4.1.4 Perform risk analysis | 7 hrs | 7 hrs |
| 95 | 4.1.5 Update resource allocation/budget breakdown | 3 hrs | 3 hrs |
| 96 | **4.2 Sub-system Conceptual Design** | **52 hrs** | **4 days** |
| 97 | 4.2.1 Do concept generation | 20 hrs | 20 hrs |
| 98 | 4.2.2 Perform parameter sensitivity analysis | 8 hrs | 8 hrs |
| 99 | 4.2.3 Market analysis | 12 hrs | 12 hrs |
| 100 | 4.2.4 Subsystem concept trade | 12 hrs | 12 hrs |
| 101 | **4.3 Sub-System Concept Integration Phase** | **60 hrs** | **2,5 days** |
| 102 | 4.3.1 Technical team informing | 4 hrs | 4 hrs |
| 103 | 4.3.2 Subsystem concept selection | 8 hrs | 8 hrs |
| 104 | 4.3.3 Update function flow diagram | 2 hrs | 2 hrs |
| 105 | 4.3.4 Update function break-down | 2 hrs | 2 hrs |
| 106 | 4.3.5 Create electrical block | 6 hrs | 6 hrs |
| 107 | 4.3.6 Create communcation flow diagram | 6 hrs | 6 hrs |
| 108 | 4.3.7 Data handling block | 16 hrs | 16 hrs |
| 109 | 4.3.8 Assembly and integration plan | 16 hrs | 16 hrs |
| 110 | **4.4 End-Conceptual Subsystem Design Phase** | **16 hrs** | **2 days** |
| 111 | 4.4.1 Perform end-conceptual design per sub-system | 8 hrs | 8 hrs |
| 112 | 4.4.2 Verify with required specifications | 6 hrs | 6 hrs |
| 113 | 4.4.3 Perform necessary iterations | 2 hrs | 2 hrs |
| 114 | **5. Preliminary Design** | **208 hrs** | **12 days** |
| 115 | **5.1 Preliminary Subsystem Design Phase** | **34 hrs** | **3 days** |
| 116 | 5.1.1 Perform preliminary design per subsystem | 16 hrs | 2 days |
| 117 | 5.1.2 Make cost breakdown structure | 8 hrs | 1 day |
| 118 | 5.1.3 Update operations and logistics concept description | 2 hrs | 2 hrs |
| 119 | 5.1.4 Technical (CAD) drawings | 8 hrs | 8 hrs |
| 120 | **5.2 Performance Analysis** | **46 hrs** | **2 days** |
| 121 | 5.2.1 Generate payload/range diagram | 16 hrs | 16 hrs |
| 122 | 5.2.2 Generate flight envelope | 8 hrs | 8 hrs |
| 123 | 5.2.3 Sustainability analysis | 14 hrs | 14 hrs |
| 124 | 5.2.4 Analysis VTOL capabilities | 8 hrs | 8 hrs |
| 125 | **5.3 Structural Analysis** | **24 hrs** | **3 days** |
| 126 | 5.3.1 Analyse critical structural components | 8 hrs | 8 hrs |
| 127 | 5.3.2 Subject critical components to FEM analysis | 16 hrs | 16 hrs |
| 128 | **5.4 Manufacturing of Structural Components** | **24 hrs** | **3 days** |
| 129 | 5.4.1 Consider manufacturing techniques | 16 hrs | 16 hrs |
| 130 | 5.4.2 Select manufacturing method | 8 hrs | 8 hrs |
| 131 | **5.3 Control and Stability Analysis** | **40 hrs** | **3 days** |
| 132 | 5.5.1 Aerodynamics charateristic analysis | 8 hrs | 8 hrs |
| 133 | 5.5.2 Static stability | 16 hrs | 16 hrs |
| 134 | 5.5.3 Dynamic stability | 8 hrs | 8 hrs |
| 135 | 5.5.4 Controllability | 8 hrs | 8 hrs |