Honeywell Navigation Challenge Capstone II Nov 18, '18 Apr 7, '19 Jun 16, 1 Task Name Duration % Complete Work 1 V Honeywell Navigation Challenge 288 days 100% 3,464 hrs Thu 8/16/18 Thu 5/30/19 100% 2 Capstone I Tue 10/23/18 67 days 100% 1,160 hrs Sat 8/18/18 43 Capstone II Thu 5/23/19 192 days 100% 3,840 hrs Tue 11/13/18 44 Develop Schematic/Drawings **= 100%** Tue 11/13/18 Wed 11/14/18 2 days 100% 16 hrs Tue 11/13/18 45 🎺 Components Review Fri 12/7/18 25 days 100% 200 hrs 100% 46 🎺 Acquire components (Develop BOM) 8 days 100% 0 hrs Tue 11/13/18 Tue 11/20/18 47 🎺 100% Develop documentation 25 days 100% 200 hrs Tue 11/13/18 Fri 12/7/18 48 🍑 System analysis 96 days 100% 968 hrs Tue 11/13/18 Sat 2/16/19 49 🧹 Document Mathematical justification (model) 96 days 100% Tue 11/13/18 Sat 2/16/19 768 hrs 100% 50 🗸 Document system specification 25 davs 100% Tue 11/13/18 Fri 12/7/18 200 hrs 51 🎺 Develop Model in Matlab/Simulink 96 days 100% Tue 11/13/18 Sat 2/16/19 0 hrs 52 🧹 Develop Evaluation tests (system/components) 96 days 100% 0 hrs Tue 11/13/18 Sat 2/16/19 53 🧹 Group Presentation - Status Report 1 day 100% Wed 1/16/19 Wed 1/16/19 8 hrs 54 🧹 Develop Economic Analysis 10 days 100% 0 hrs Wed 5/1/19 Fri 5/10/19 55 🎺 System Testing 47 days 100% 376 hrs Mon 3/4/19 Fri 4/19/19 56 🍑 Validate system specification simulation 47 days 100% 376 hrs Mon 3/4/19 Fri 4/19/19 57 🎺 Review Schematic/Drawings 19 days 100% 0 hrs Mon 3/25/19 Fri 4/12/19 58 🍑 Assembly & Testing 26 days 100% 0 hrs Mon 3/25/19 Fri 4/19/19 59 🗸 **Project Presentation Requirements** 15 days 100% 120 hrs Mon 5/6/19 Mon 5/20/19 60 🗸 Mon 5/20/19 Final Report 15 days 100% 120 hrs Mon 5/6/19 61 🧹 100% Prepare presentation Thu 5/16/19 Sat 5/18/19 3 days 100% 0 hrs 62 🧹 **100**% Fri 5/17/19 Sat 5/18/19 Develop IEEE Paper 2 days 100% 0 hrs 63 🧹 100% Sun 5/19/19 Develop Webpage 3 days 100% 0 hrs Fri 5/17/19 64 🧹 100% Mon 5/20/19 Mon 5/20/19 Design Poster 1 day 100% 0 hrs 65 🎺 100% Final Capstone presentation 1 day 100% 0 hrs Thu 5/23/19 Thu 5/23/19 Tue 1/8/19 Wed 1/23/19 Critical Design Review - Honeywell 16 days 100% 128 hrs System level analyses, rendering, components, schematics 15 days 100% 0 hrs Tue 1/8/19 Tue 1/22/19 68 🍑 Presentation of CDR 100% Wed 1/23/19 Wed 1/23/19 1 day 0 hrs Mon 3/4/19 Wed 3/20/19 Flight Readiness Review - Honeywell 17 days 100% 136 hrs 100% Mon 3/4/19 Tue 3/19/19 Test Plans 16 days 100% 128 hrs 100% Presentation of FRR 1 day 100% 8 hrs Wed 3/20/19 Wed 3/20/19 Launch Readiness Review - Honeywell 43 days 100% 344 hrs Thu 3/21/19 Thu 5/2/19 43 days Thu 5/2/19 100% Integration Testing 100% 344 hrs Thu 3/21/19 74 Competition **100%** 100% Fri 5/3/19 Fri 5/3/19 1 day 8 hrs