Software

Oct 25, 2021

http://

Project manager	Simon Svensson
Project dates	Oct 25, 2021 - Dec 4, 2021
Completion	0%
Tasks	41
Resources	10

Tasks

Outline number	Name	Begin date	End date	ID	Predecessors	Resources	Duration
1	AutoSail 2021	10/25/21	12/3/21	373			30
1.1	Software	11/1/21	12/3/21	0			25
1.1.1	SBC Land	11/22/21	11/30/21	19			7
1.1.1.1	Data visualisation	11/22/21	11/26/21	23		Peter Nguyen	5
1.1.1.2	Fail-safe signal control	11/26/21	11/30/21	22	55	Emil Persson	3
1.1.2	SBC Boat	11/5/21	12/3/21	45			21

Tasks

Outline number	Name	Begin date	End date	ID	Predecessors	Resources	Duration
1.1.2.1	[FS] Sensor malfunction	11/22/21	11/25/21	55	54	Emil Persson	4
1.1.2.2	Data-logging	11/17/21	11/19/21	54	58	Emil Persson	3
1.1.2.3	Data steam transceiver	11/5/21	11/16/21	58	62, 190	Emil Persson	8
1.1.2.4	Wind to sail	11/22/21	12/3/21	350		Emma Jakobsson	10
1.1.2.5	Rudder path PID	11/22/21	12/1/21	357		Erik Lindgren	8
1.1.3	Micro-controller	11/13/21	12/3/21	35			25

Tasks

Outline number	Name	Begin date	End date	ID	Predecessors	Resources	Duration
1.1.3.1	Rudder motor control	11/29/21	12/2/21	40	181, 357	Gustav Radbrandt, Dan Österlund, Peter Nguyen	4
1.1.3.2	Sail motor control	11/30/21	12/3/21	42	181, 350	William Forsberg	4
1.1.3.3	Vessel Velocity	11/15/21	11/18/21	38	36	Peter Nguyen	4
1.1.3.4	Wind direction	11/15/21	11/17/21	39	37, 161	Emma Jakobsson, Erik Lindgren	3
1.1.3.5	Vessel Orientation	11/5/21	11/12/21	36	62, 171	Peter Nguyen	6
1.1.3.6	Vessel Global Position	11/1/21	11/12/21	37	163	Emma Jakobsson, Erik Lindgren	10

Tasks

Outline number	Name	Begin date	End date	ID	Predecessors	Resources	Duration
1.1.3.7	Communication network	11/12/21	11/4/21	62		Emil Persson, Peter Nguyen	4
1.1.4	Simulation	11/12/21	11/24/21	24			18
1.1.4.1	Realistic sensor data	11/22/21	11/24/21	29	371	Dan Österlund	3
1.1.4.2	Rudder path PID	11/17/21	11/19/21	371	25	Dan Österlund	3
1.1.4.3	Wind to Sail	11/12/21	11/16/21	25	26	Dan Österlund	3
1.1.4.4	Vessel Orientation	11/9/21	11/11/21	26	27	Dan Österlund	3

Tasks

Outline number	Name	Begin date	End date	ID	Predecessors	Resources	Duration
1.1.4.5	Vessel Position	11/4/21	11/8/21	27	28	Dan Österlund	3
1.1.4.6	Wind direction	11/11/21	11/3/21	28		Dan Österlund	3
1.2	Hardware	10/25/21	11/24/21	66			23
1.2.1	Assembly and Mounts	11/9/21	11/24/21	185	157	Gustav Radbrandt, William Forsberg	12
1.2.2	Test boat	11/11/21	11/16/21	175			12
1.2.2.1	Failsafe System	11/9/21	11/16/21	179	181	Pontus Antonson, Fredrik Andersson	6

Tasks

Outline number	Name	Begin date	End date	ID	Predecessors	Resources	Duration
1.2.2.2	Motor Control System	11/4/21	11/8/21	181	177	Gustav Radbrandt, Pontus Antonson	3
1.2.2.3	Battery System	11/1/21	11/3/21	177	161	Pontus Antonson	3
1.2.3	4G transciever	11/1/21	11/3/21	190	159	Gustav Radbrandt	3
1.2.4	Sensor system	10/25/21	11/8/21	155			11
1.2.4.1	Battery system	11/1/21	11/8/21	157	159	William Forsberg	6
1.2.4.2	RC	10/28/21	10/29/21	159	163, 171	William Forsberg	2

Tasks

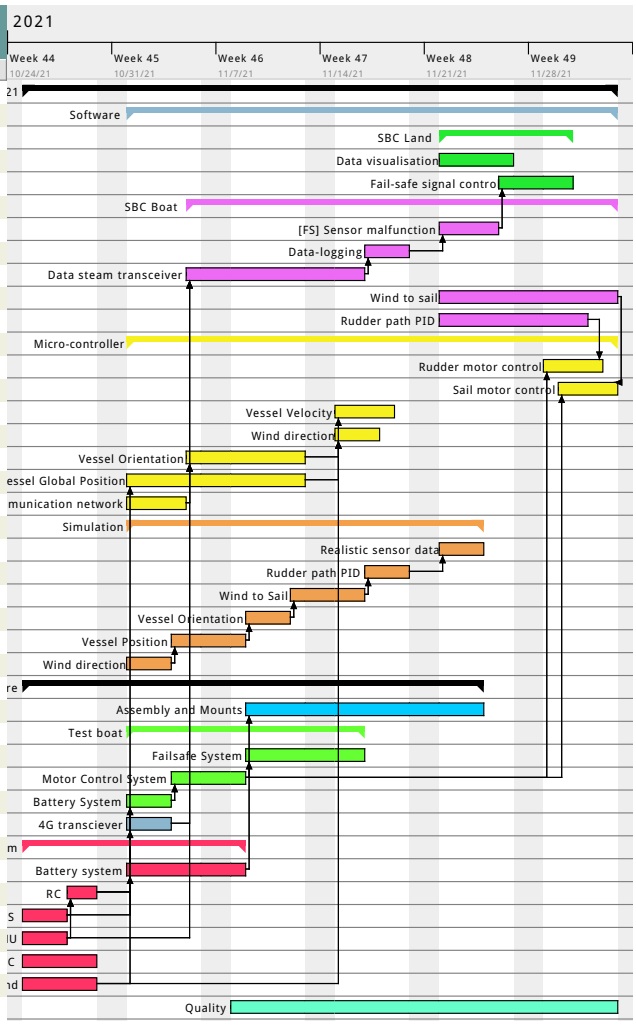
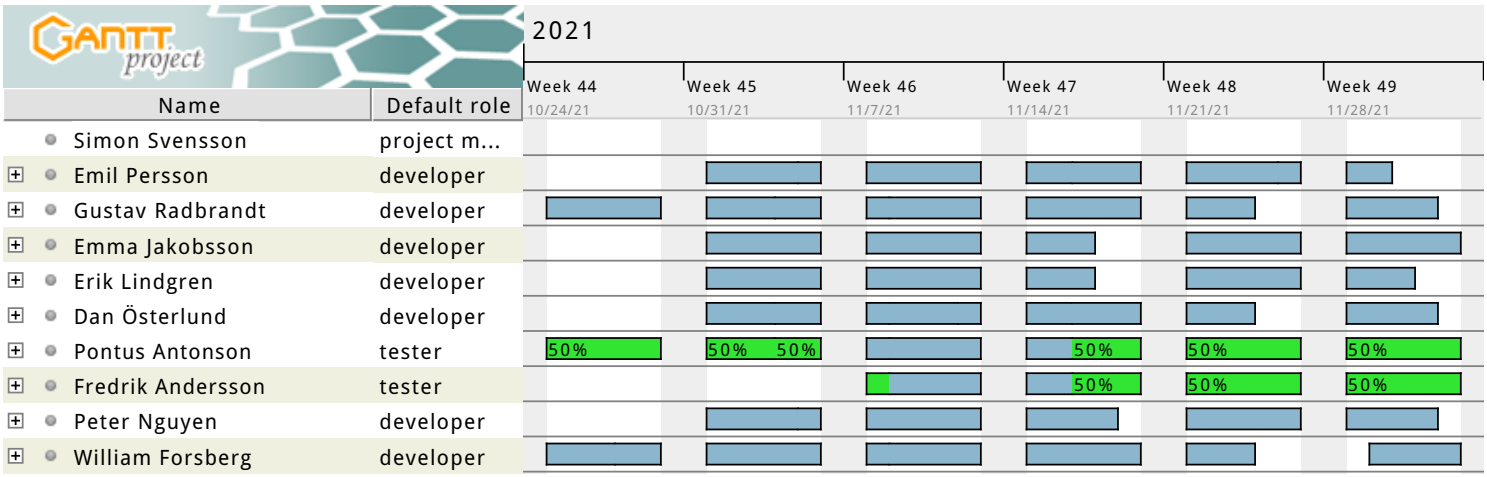
Outline number	Name	Begin date	End date	ID	Predecessors	Resources	Duration
1.2.4.3	GNSS	10/25/21	10/27/21	163		William Forsberg	3
1.2.4.4	IMU	10/25/21	10/27/21	171		William Forsberg	3
1.2.4.5	MCU and SBC	10/25/21	10/29/21	191		Gustav Radbrandt	5
1.2.4.6	Wind	10/25/21	10/29/21	161		Pontus Antonson	5
1.3	Quality	11/8/21	12/3/21	368		Pontus Antonson, Fredrik Andersson	20

Resources

Name	Default role
Simon Svensson	project manager
Emil Persson	developer
Gustav Radbrandt	developer
Emma Jakobsson	developer
Erik Lindgren	developer
Dan Österlund	developer
Pontus Antonson	tester
Fredrik Andersson	tester
Peter Nguyen	developer
William Forsberg	developer

Gantt Chart

Outlin...	Name	...	E...	ID	Predecessors	Resources	Duration
1	AutoSail 2021	...	...	373			30
1.1	Software	...	...	0			25
1.1.1	SBC Land	...	...	19			7
1.1....	Data visualisation	...	...	23		Peter Nguyen	5
1.1....	Fail-safe signal control	...	...	22	55	Emil Persson	3
1.1.2	SBC Boat	...	...	45			21
1.1....	[FS] Sensor malfunction	...	...	55	54	Emil Persson	4
1.1....	Data-logging	...	...	54	58	Emil Persson	3
1.1....	Data steam transceiver	...	...	58	62,190	Emil Persson	8
1.1....	Wind to sail	...	...	350		Emma Jakobsson	10
1.1....	Rudder path PID	...	...	357		Erik Lindgren	8
1.1.3	Micro-controller	...	...	35			25
1.1....	Rudder motor control	...	...	40	181,357-FF	Gustav Radbrandt,...	4
1.1....	Sail motor control	...	...	42	181,350-FF	William Forsberg	4
1.1....	Vessel Velocity	...	...	38	36	Peter Nguyen	4
1.1....	Wind direction	...	...	39	37,161	Emma Jakobsson,E...	3
1.1....	Vessel Orientation	...	...	36	62,171	Peter Nguyen	6
1.1....	Vessel Global Position	...	...	37	163	Emma Jakobsson,E...	10
1.1....	Communication netw...	...	...	62		Emil Persson,Peter...	4
1.1.4	Simulation	...	...	24			18
1.1....	Realistic sensor data	...	...	29	371	Dan Österlund	3
1.1....	Rudder path PID	...	...	371	25	Dan Österlund	3
1.1....	Wind to Sail	...	...	25	26	Dan Österlund	3
1.1....	Vessel Orientation	...	...	26	27	Dan Österlund	3
1.1....	Vessel Position	...	...	27	28	Dan Österlund	3
1.1....	Wind direction	...	...	28		Dan Österlund	3
1.2	Hardware	...	...	66			23
1.2.1	Assembly and Mounts	...	...	185	157	Gustav Radbrandt,...	12
1.2.2	Test boat	...	...	175			12
1.2....	Failsafe System	...	...	179	181	Pontus Antonson,F...	6
1.2....	Motor Control System	...	...	181	177	Gustav Radbrandt,...	3
1.2....	Battery System	...	...	177	161	Pontus Antonson	3
1.2.3	4G transciever	...	...	190	159	Gustav Radbrandt	3
1.2.4	Sensor system	...	...	155			11
1.2....	Battery system	...	...	157	159	William Forsberg	6
1.2....	RC	...	...	159	163,171	William Forsberg	2
1.2....	GNSS	...	...	163		William Forsberg	3
1.2....	IMU	...	...	171		William Forsberg	3
1.2....	MCU and SBC	...	...	191		Gustav Radbrandt	5
1.2....	Wind	...	...	161		Pontus Antonson	5
1.3	Quality	...	...	368		Pontus Antonson,F...	20



Resources Chart