

VT2 Team 4 Gantt Chart

Jun 25, 2025

<http://>

Project manager

Project dates

May 15, 2025 - Jul 9, 2025

Completion

0%

Tasks

111

Resources

10

Tasks

Name	Begin date	End date
Start	5/15/25	5/15/25
1. Documentation	5/15/25	6/25/25
1.1 Draft wiki	6/5/25	6/10/25
1.1.1 Introduction	6/5/25	6/6/25
1.1.2 Team Requirements	6/10/25	6/10/25
1.3 Final wiki	6/18/25	6/23/25
1.3.1 Conclusion	6/18/25	6/19/25
1.3.2 Appendices	6/18/25	6/19/25
1.3.3 Assembly	6/20/25	6/20/25
1.3.4 Formatting	6/23/25	6/23/25
1.3 Basic features	5/15/25	6/25/25
1.3.1 Team Gantt chart	5/15/25	5/16/25
1.3.2 Render	6/18/25	6/18/25
1.3.3 Sustainability report	6/19/25	6/19/25
1.3.4 Oral presentation slides	6/20/25	6/23/25
1.3.5 Conference webpages	6/25/25	6/25/25
2. Coding	5/22/25	6/23/25
2.1 Preparation	5/22/25	5/28/25
2.1.1 Arduino setup & flowchart(I)	5/22/25	5/28/25
2.2 Programming Modules	5/30/25	6/12/25
2.2.1 Transmitter program	5/30/25	6/2/25
2.2.2 Joystick, buttons & switches setup(xST)	6/4/25	6/6/25
2.2.3 Receiver (Remote Control) program(I)	6/9/25	6/10/25
2.2.4 Receiver (Autonomous Driving) program (I)	6/11/25	6/12/25
2.3 Integration & Testing	6/17/25	6/23/25
2.3.1 Final program integration(xST)	6/17/25	6/17/25
2.3.2 Debug & UI sub-team testing(xST)	6/18/25	6/18/25

Tasks

Name	Begin date	End date
2.3.3 Install to system (e.g., dryer/vehicle)(T)	6/23/25	6/23/25
2.4 Draft wiki	5/29/25	6/9/25
2.4.1 Sub-requirements	6/5/25	6/6/25
2.4.2 Generating design alternatives & evaluation	5/29/25	6/9/25
2.5 Final wiki	6/11/25	6/17/25
2.5.1 Design description	6/11/25	6/13/25
2.5.2 Sub-system performance results	6/16/25	6/16/25
2.5.3 Recommendations	6/16/25	6/16/25
2.5.4 Part drawings/schematics/flow charts	6/17/25	6/17/25
2.6 Oral presentation	6/20/25	6/23/25
2.6.1 Make slides	6/20/25	6/23/25
3. Electrical	5/19/25	6/20/25
3.1 Motor and power supply	5/19/25	5/20/25
3.1.1 Power supply	5/19/25	5/19/25
3.1.2 Motor circuit	5/20/25	5/20/25
3.2 Flow chart	5/26/25	5/27/25
3.2.1 Arduino Sketch Diagram	5/26/25	5/26/25
3.2.2 Program flow chart	5/27/25	5/27/25
3.3 Radiator	5/28/25	5/30/25
3.3.1 Radiator test	5/28/25	5/30/25
3.4 Wiki Draft	6/9/25	6/13/25
3.4.1 Sub-team needs	6/9/25	6/10/25
3.4.2 Generate design solutions and evaluate	6/12/25	6/13/25
3.5 Debugging and installation	6/16/25	6/20/25
3.5.1 Debug	6/16/25	6/17/25
3.5.2 Installation	6/18/25	6/20/25
3.6 Draft wiki	5/29/25	6/6/25
3.6.1 Sub-requirements	6/5/25	6/6/25

Tasks

Name	Begin date	End date
3.6.2 Generating design alternatives & evaluation	5/29/25	6/4/25
3.7 Final wiki	6/11/25	6/20/25
3.7.1 Design description	6/11/25	6/17/25
3.7.2 Sub-system performance results	6/18/25	6/19/25
3.7.3 Recommendations	6/18/25	6/19/25
3.7.4 Part drawings/schematics/flow charts	6/20/25	6/20/25
3.8 Oral presentation	6/16/25	6/17/25
3.8.1 Make slides	6/16/25	6/17/25
4. Mechanical	5/29/25	6/26/25
4.1 Preparation	6/17/25	6/18/25
4.1.1 Generating design alternatives & evaluation	6/17/25	6/17/25
4.1.2 Material prepare	6/18/25	6/18/25
4.2 Design and Construction	5/29/25	6/26/25
4.2.1 Power battery module	5/29/25	5/30/25
4.2.2 Motor module	6/2/25	6/4/25
4.2.3 Controller module	6/4/25	6/6/25
4.2.4 Bike and Chassis	6/9/25	6/11/25
4.2.5 Trolley performance testing and adjustment	6/11/25	6/16/25
4.2.6 Simulated environment test	6/19/25	6/20/25
4.2.7 Emergency plan and final rectification	6/23/25	6/26/25
4.3 Draft wiki	5/29/25	6/6/25
4.3.1 Sub-requirements	6/5/25	6/6/25
4.3.2 Generating design alternatives & evaluation	5/29/25	6/4/25
4.4 Final wiki	6/11/25	6/20/25
4.4.1 Design description	6/11/25	6/17/25
4.4.2 Sub-system performance results	6/18/25	6/19/25
4.4.3 Recommendations	6/18/25	6/19/25
4.4.4 Part drawings/schematics/flow charts	6/20/25	6/20/25

Tasks

Name	Begin date	End date
4.5 Oral presentation	6/20/25	6/23/25
4.5.1 Make slides	6/20/25	6/23/25
5. Structural	5/20/25	6/27/25
5.1 Enclosure frame	5/20/25	5/29/25
5.1.1 Design in solidworks	5/20/25	5/21/25
5.1.2 Material selection	5/22/25	5/23/25
5.1.3 Assembly	5/26/25	5/29/25
5.2 Enclosure panels	5/30/25	6/11/25
5.2.1 Panel design	5/30/25	6/3/25
5.2.2 Cut and attach panels	6/4/25	6/11/25
5.3 Doors	6/12/25	6/19/25
5.3.1 3D print	6/12/25	6/16/25
5.3.2 Testing opening/closing	6/17/25	6/19/25
5.4 Natural vent	6/20/25	6/27/25
5.4.1 Design flow path	6/20/25	6/24/25
5.4.2 Test effectiveness	6/25/25	6/27/25
5.6 Draft wiki	5/29/25	6/6/25
5.6.1 Sub-requirements	6/5/25	6/6/25
5.6.2 Generating design alternatives & evaluation	5/29/25	6/4/25
5.7 Final wiki	6/11/25	6/20/25
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5.7.3 Recommendations	6/18/25	6/19/25
5.7.4 Part drawings/schematics/flow charts	6/20/25	6/20/25
5.8 Oral presentation	6/20/25	6/23/25
5.8.1 Make slides	6/20/25	6/23/25
Capstone Conference	7/8/25	7/8/25

Tasks

Name	Begin date	End date
End	7/7/25	7/7/25

Resources

Name	Default role
YiXin He	Project Manager + Documentation 1
Zhanming Sun	Documentation 2
Hanxiang Long	Coding 1
Chengkai Xiao	Electrical 1
Tony	Electrical 2
Yuhao Xue	Electrical 3
Zhanmiao Zhu	Mechanical 1
Jiaming Zhang	Mechanical 2
Jingwen Huang	Structural 1
Qiu hao Zhao	Structural 2

Gantt Chart

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