ECE411 Practicum Project

Dec 8, 2022

Portland State University

http://github.com/ECE411T5/Practicum

Project manager Joshua Hobby, Mohamed Ghonim, Ibrahim Binmahfood, Mohamed

Ashkanani

Project dates Oct 31, 2022 - Dec 9, 2022

Completion 89% **Tasks** 18 Resources 4

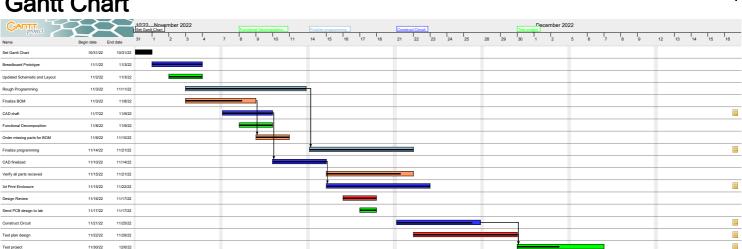
Tasks

Name	Begin date	End date
Set Gantt Chart	10/31/22	10/31/22
Breadboard Prototype	11/1/22	11/3/22
Updated Schematic and Layout	11/2/22	11/3/22
Rough Programming	11/3/22	11/11/22
Finalize BOM	11/3/22	11/8/22
CAD draft	11/7/22	11/9/22
Draft looks good. Design Review went well.		
Functional Decomposition	11/8/22	11/9/22
Order missing parts for BOM	11/9/22	11/10/22
Finalize programming	11/14/22	11/21/22
Final code uploaded		
CAD finalized	11/10/22	11/14/22
Verify all parts recieved	11/15/22	11/21/22
3d Print Enclosure	11/15/22	11/22/22
Late. Got final print 12/6		
Design Review	11/16/22	11/17/22
Send PCB design to lab	11/17/22	11/17/22
Construct Circuit	11/21/22	11/25/22
PCB came in late. Could not start constructing on time. Issues with construction. Power supply adaptor missing.		
Test plan design	11/22/22	11/29/22
Documentation on Github for test plans		
Test project	11/30/22	12/6/22
Troubleshooting issues with implementing ATMega328 on PCB. Microcontroller works on Arduino, but does not transfer to board well.		
Final Presentation	12/7/22	12/8/22

Resources

Name	Default role
Joshua Hobby	project manager
Mohamed Ghonim	project manager
Ibrahim Binmahfood	project manager
Mohamed Ashkanani	project manager

Gantt Chart



Resources Chart

10'22 November 2022

| November 2022 | 10'22 7 8 9 10 11 14 15 16 17 18 21 22 23 24 25 28 29 30 1 2 5 6 7 8 9 12 13 14 15 16 project man... ☐ ● Joshua Hobby Set Gantt Chart Final Presentation Order missing parts for B... Design Review Construct Circuit Test project Functional Decompo Rough Programming Finalize programming ■ Mohamed Ghonim Final Presentation Test plan design Test project CAD finalized Send PCB design to lab Finalize programming ☐ ● Ibrahim Binmahfood Breadboard Prototype

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