

# ECE411 Practicum Project

## Portland State University

Dec 8, 2022

<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

2

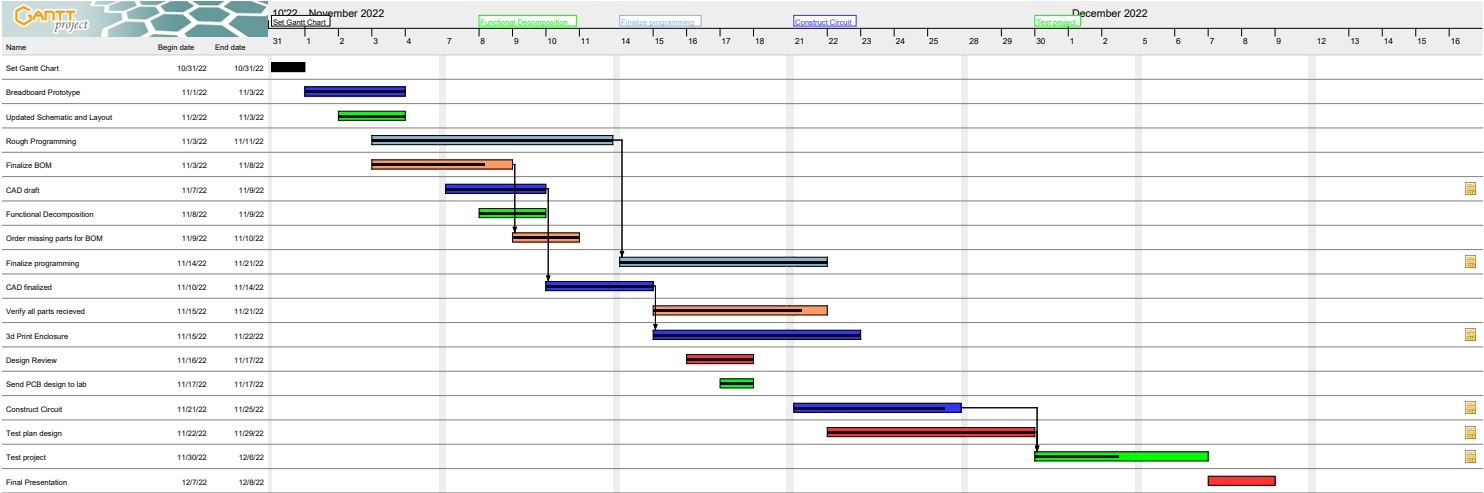
Name	Begin date	End date
Set Gantt Chart	10/31/22	10/31/22
Breadboard Prototype	11/1/22	11/3/22
Updated Schematic and Layout	11/2/22	11/3/22
Rough Programming	11/3/22	11/11/22
Finalize BOM	11/3/22	11/8/22
CAD draft	11/7/22	11/9/22
<i>Draft looks good. Design Review went well.</i>		
Functional Decomposition	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
<i>Final code uploaded</i>		
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
<i>Late. Got final print 12/6</i>		
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
<i>PCB came in late. Could not start constructing on time. Issues with construction. Power supply adaptor missing.</i>		
Test plan design	11/22/22	11/29/22
<i>Documentation on Github for test plans</i>		
Test project	11/30/22	12/6/22
<i>Troubleshooting issues with implementing ATmega328 on PCB. Microcontroller works on Arduino, but does not transfer to board well.</i>		
Final Presentation	12/7/22	12/8/22

## Resources

3

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

Gantt Chart



Resources Chart

