

2021 Fall ECE411 Team10 Puzzle lock

Nov 4, 2021

ECE411 team10

<http://>

Project manager

Zhongyi Xu, Tianshu Chu, Lihong Zhao, Bradley
Huntington

Project dates

Oct 7, 2021 - Dec 1, 2021

Completion

44%

Tasks

28

Resources

4

Tasks

2

Name	Begin date	End date	Coordinator
Develop Product Design Specifications	10/7/21	10/20/21	Bradley Huntington, Lihong Zhao, Tianshu Chu, Zhongyi Xu
Documentation: Brief Market analysis	10/12/21	10/14/21	Zhongyi Xu
System Architecture	10/12/21	10/20/21	Lihong Zhao
Choose Sensor/Controller/Firmware	10/12/21	10/20/21	Bradley Huntington
Choosing IDE	10/12/21	10/20/21	Tianshu Chu
Determining Appearance/Material /Shape of the lock	10/12/21	10/15/21	Lihong Zhao, Bradley Huntington
Start Github/Trello Organization	10/7/21	10/13/21	Zhongyi Xu, Tianshu Chu, Lihong Zhao
Schematic	10/21/21	11/12/21	Bradley Huntington
Preliminary Schematic Designing	10/21/21	10/28/21	Bradley Huntington
Update Schematic	10/28/21	11/4/21	Bradley Huntington
Final Schematic	11/4/21	11/12/21	Bradley Huntington
PCB	10/28/21	11/19/21	Bradley Huntington
First Draft	10/28/21	11/4/21	Bradley Huntington
Modifying Draft	11/4/21	11/12/21	Bradley Huntington
Generating Final Draft	11/12/21	11/19/21	Bradley Huntington
Block diagram	10/21/21	11/26/21	Lihong Zhao
Level 1 Block Diagram	10/21/21	10/28/21	Lihong Zhao
Level 0 Block Diagram	11/4/21	11/15/21	Lihong Zhao
Final Checking to Level 0&1 Block Diagram	11/18/21	11/26/21	Lihong Zhao
Bill of Materials	11/4/21	11/26/21	Zhongyi Xu
First Version	11/4/21	11/12/21	Zhongyi Xu
Final Version	11/18/21	11/26/21	Zhongyi Xu

Tasks

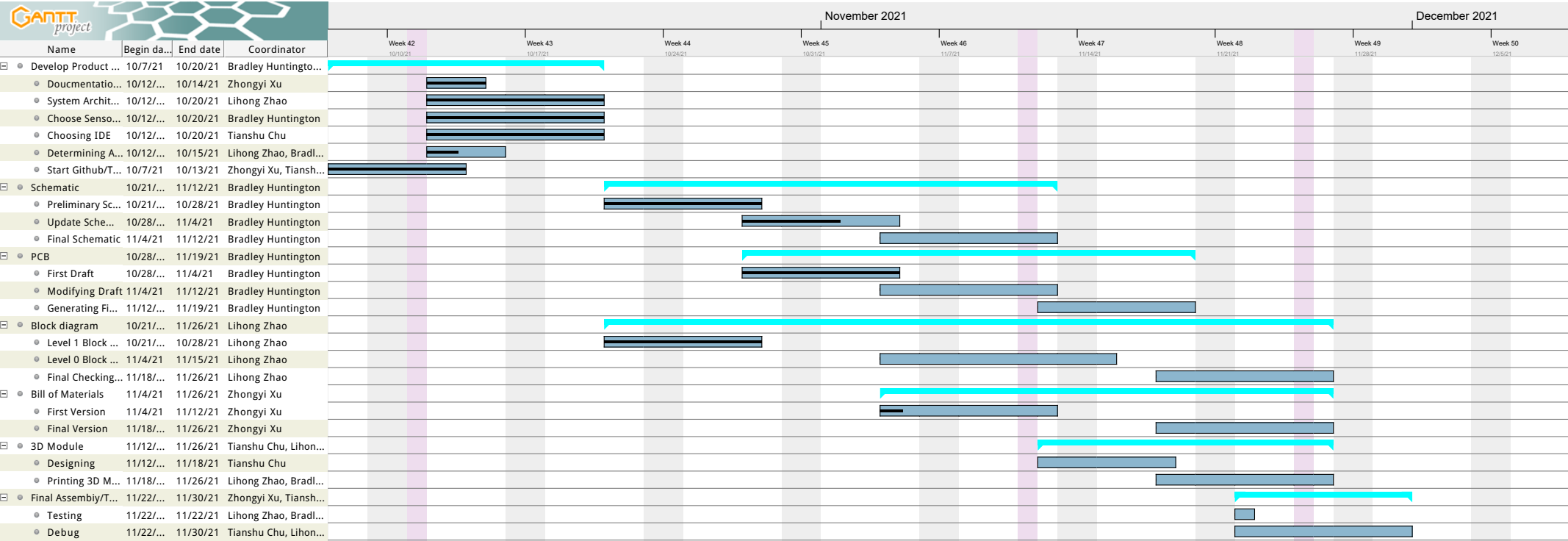
3

Name	Begin date	End date	Coordinator
3D Module	11/12/21	11/26/21	Tianshu Chu, Lihong Zhao, Bradley Huntington
Designing	11/12/21	11/18/21	Tianshu Chu
Printing 3D Module	11/18/21	11/26/21	Lihong Zhao, Bradley Huntington
Final Assembly/Testing	11/22/21	11/30/21	Zhongyi Xu, Tianshu Chu, Lihong Zhao, Bradley Huntington
Testing	11/22/21	11/22/21	Lihong Zhao, Bradley Huntington
Debug	11/22/21	11/30/21	Tianshu Chu, Lihong Zhao

Resources

Name	Default role
Zhongyi Xu	project manager
Tianshu Chu	project manager
Lihong Zhao	project manager
Bradley Huntington	project manager

Gantt Chart



Resources Chart

