## T-Works - LAM Research Challenge

Project lead: Shivam Kumar Jha Submission Deadline: 29th Oct, 24

TASK	ASSIGNED TO	PROGRESS	START	END					
Initial Planning									
Create schedule	Tejaswi	80%	10/16/24	10/17/24					
Conduct Material Research	Ashish Negi	100%	10/17/24	10/18/24					
Research About Problem Statement	Arnav Chopra	90%	10/16/24	10/18/24					
Develop Basic Workflow	Shivam Kumar Jha	95%	10/18/24	10/20/24					
Design Concepts & Selection									
Heat Sink Design	Ashish Negi	85%	10/17/24	10/18/24					
Peltier Module Selection	Tejaswi	100%	10/17/24	10/18/24					
Temperature Sensor Evaluation	Arnav Chopra	90%	10/19/24	10/20/24					
Cooling System Design	Shivam Kumar Jha	80%	10/18/24	10/19/24					
Sourcing									
Listing Of Materials	Arnav Chopra	90%	10/18/24	10/19/24					
Develop budget	Tejaswi	85%	10/18/24	10/19/24					
Component selection	Ashish Negi	75%	10/18/24	10/19/24					
Component Buying	Shivam Kumar Jha	80%	10/18/24	10/20/24					
Assembly (Mechanical and Electronics i	ntegration)								
System design and architecture	Ashish Negi	80%	10/20/24	10/21/24					
Mechanical assembly	Shivam Kumar Jha	90%	10/21/24	10/23/24					
Electronics integration	Arnav Chopra	85%	10/22/24	10/24/24					
Wiring and connections	Tejaswi	90%	10/22/24	10/24/24					
Coding									
Basic I/O setup	Tejaswi	75%	10/22/24	10/23/24					
Temperature sensor integration	Ashish Negi	100%	10/23/24	10/24/24					
Display interface and EEPROM programming	Arnav Chopra	100%	10/23/24	10/24/24					
PID controller implementation	Shivam Kumar Jha	100%	10/24/24	10/25/24					
Testing									
Initial hardware testing	Shivam Kumar Jha	95%	10/26/24	10/27/24					
Temperature control testing	Ashish Negi	100%	10/26/24	10/27/24					
System calibration and Performance optimization	Arnav Chopra	95%	10/27/24	10/28/24					
Final testing and documentation	Tejaswi	90%	10/27/24	10/28/24					
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Project start: Wed, 10/16/2024

Display week: 1

Oct 14, 2024	Oct 21, 2024	Oct 28, 2024	Nov 4, 2024	Nov 11, 2024	Nov 18, 2024	Nov 25, 2024	Dec 2, 2024
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