



THE MOW-HAWK

TO STYLE YOUR LAWN MOWALICIOUSLY

Vedhashruthi Harinath – 3302834
Aadithya Ramamurthy – 3304090






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TASKS COMPLETED

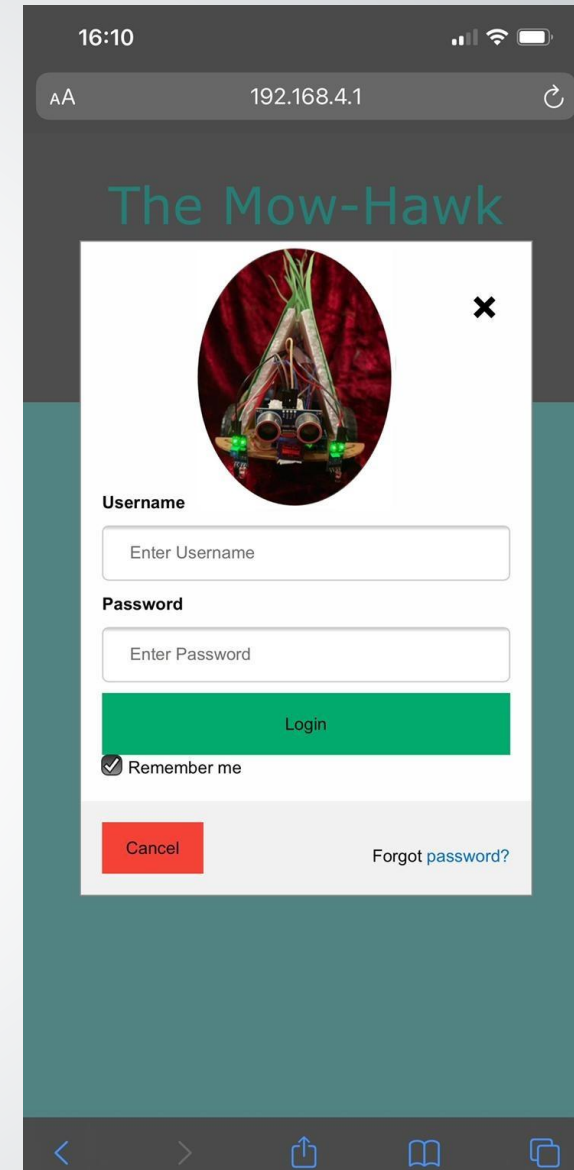
- Simple and easy to build and use.
- Covers the pre-defined Arena.
- Detects and avoids any obstacles during its operation.
- Detects the boundary and edges and stays within it .
- Returns to the charging station when battery is low by line following.
- User-friendly Web interface to operate the mower manually or autonomously.

COMPONENT LIST			Qty
Arduino Uno			1
V5 Shield			1
ESP32			1
Motor driver L298N			1
IR sensors			2
DC Motors			2
Ultrasonic Sensor			1
Plastic Base			1
Wheels			3
Ingress Protection Cover			1

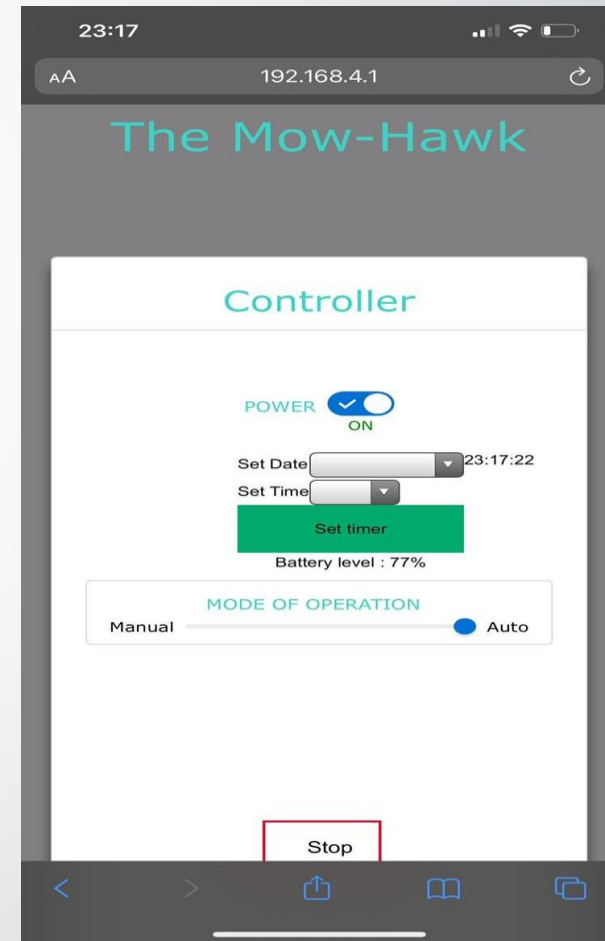
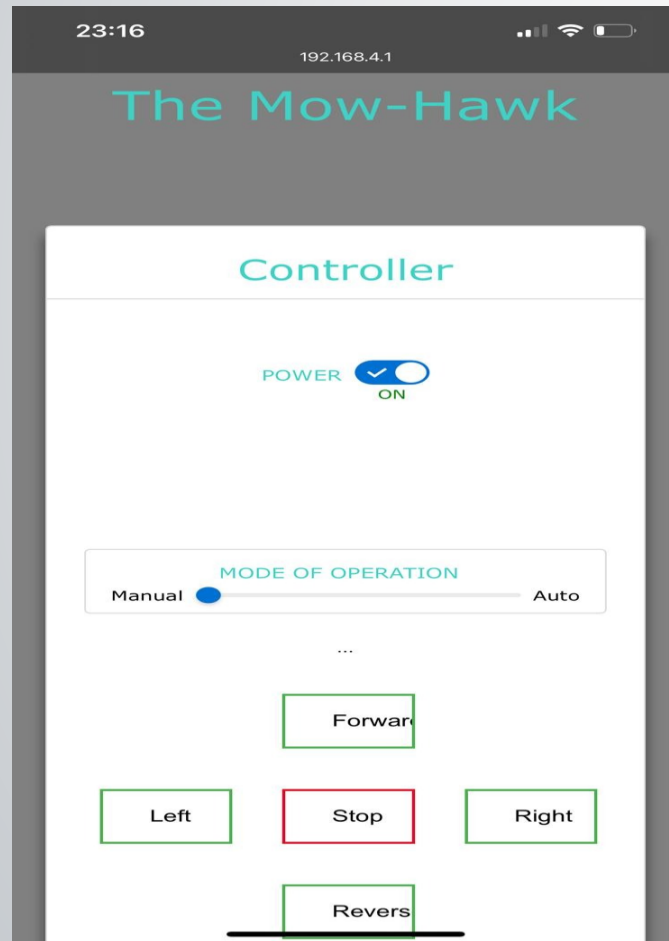
COMPONENT LIST			Type
Screws			M3
Nuts			M3
Screw Long			M3
Spacer			M3
Cables			Male-Female
Cables			Female-Female
Cables			Male-Male
4 double AA Batteries			1.5 V
Power Bank			5 V

WEB INTERFACE

- Login page
- Power on-off
- Manual – auto mode
- Directional Buttons on the manual mode
- Emergency Stop
- Scheduling and time log of the operation
- Battery level indication



ON PHONE



ON DESKTOP

The Mow-Hawk

Controller

POWER ☒ ON

MODE OF OPERATION

Manual ☐ Auto

Forward

Left Stop Right

Reverse

The Mow-Hawk

Controller

POWER ☒ ON

Set Date: dd-mm-yyyy 20 35 22

Set Time: --:--

Get time

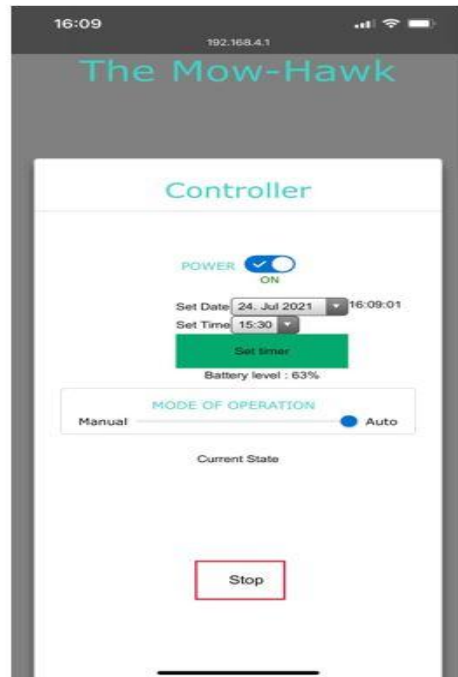
Battery level: 63%

MODE OF OPERATION

Manual ☐ Auto

Stop

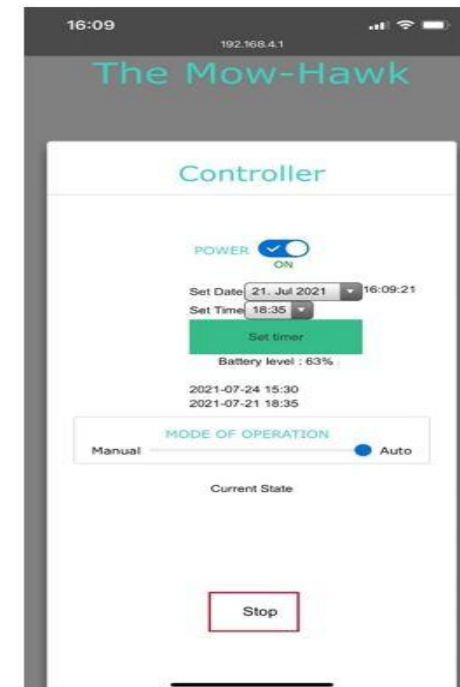
SCHEDULING AND TIME LOG



Date



Time



Scheduling

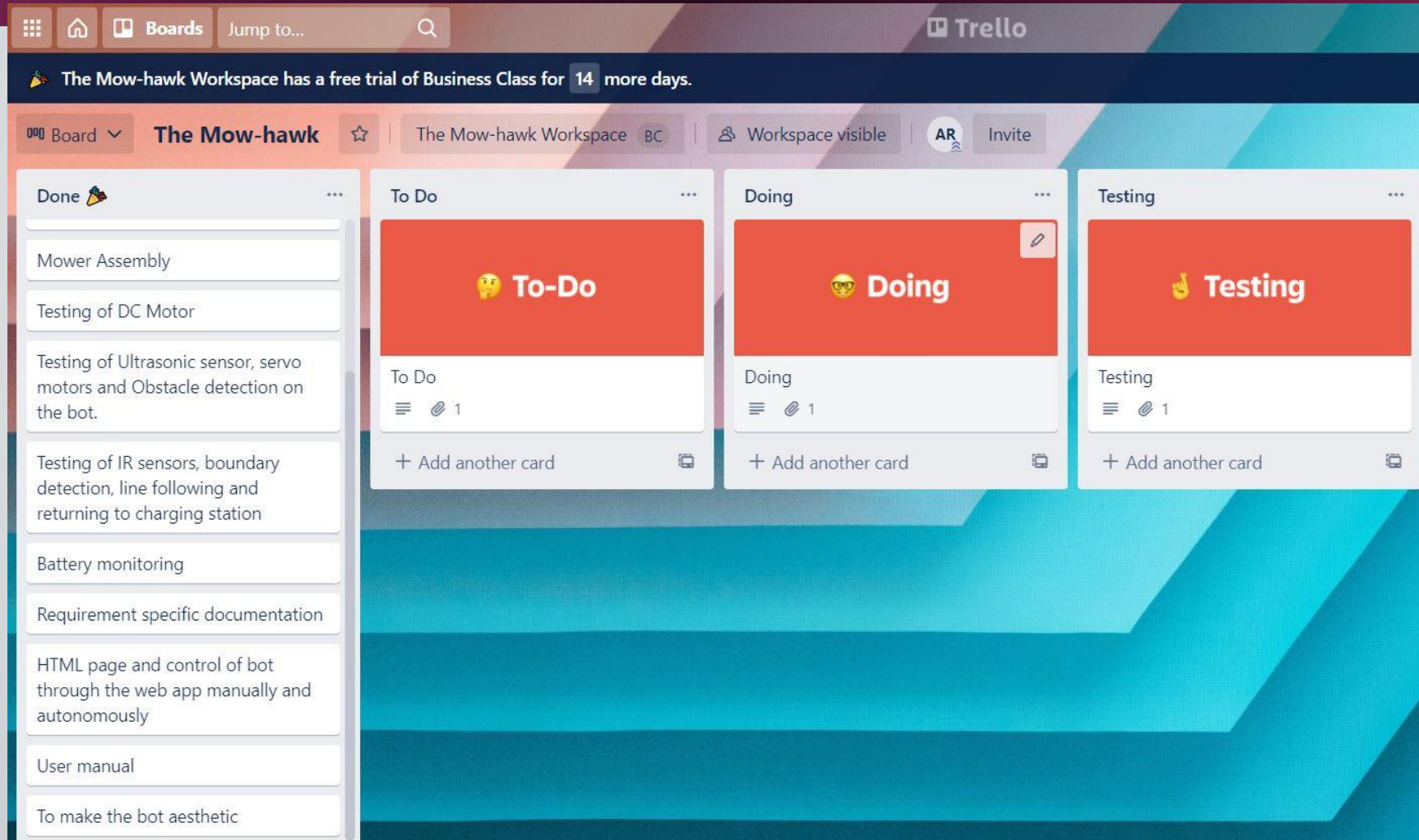


VIDEO DEMONSTRATION





TIMELINE ON TRELLO BOARD



THANK YOU !

