

Traffic_Light_System_Project.xlsx					
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	A	B	C	D	E
1	Project Task1	Details	Person	Start	End
2	Understand First Scenario	Study requirements: 1 line, 1 traffic light (red, yellow, green), timing events	Don / C / Daniel C.Chimezie	2025-10-01 00:00:00	2025-10-02 00:00:00
3	Create Class Diagram	Represent main structural elements of the system	Daniel C. Chimezie	2025-10-02 00:00:00	2025-10-04 00:00:00
4	Create State Machine Diagram	Possible states, transitions, timing events	Don	2025-10-02 00:00:00	2025-10-05 00:00:00
5	Simulation Setup	Set up Arduino simulation in Tinkercad or Wokwi	Daniel C. Chimezie	2025-10-04 00:00:00	2025-10-07 00:00:00
6	Circuit Design	LED traffic lights, calculate resistor values, design in MultiSim	Mahmud	2025-10-03 00:00:00	2025-10-06 00:00:00
7	Map State Machine to Code	Switch state pattern in Arduino code	Don	2025-10-03 00:00:00	2025-10-08 00:00:00
8	Testing & Debugging	Test different traffic scenarios	Don/ Mahmud / Daniel C.Chin	2025-10-04 00:00:00	2025-10-09 00:00:00
9	Git Repository Setup	Create private GitHub repo using university mail, upload docs and models	All	2025-10-01 00:00:00	2025-10-02 00:00:00
10	Documentation	Prepare professional documentation for submission	All	2025-10-05 00:00:00	2025-10-10 00:00:00
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