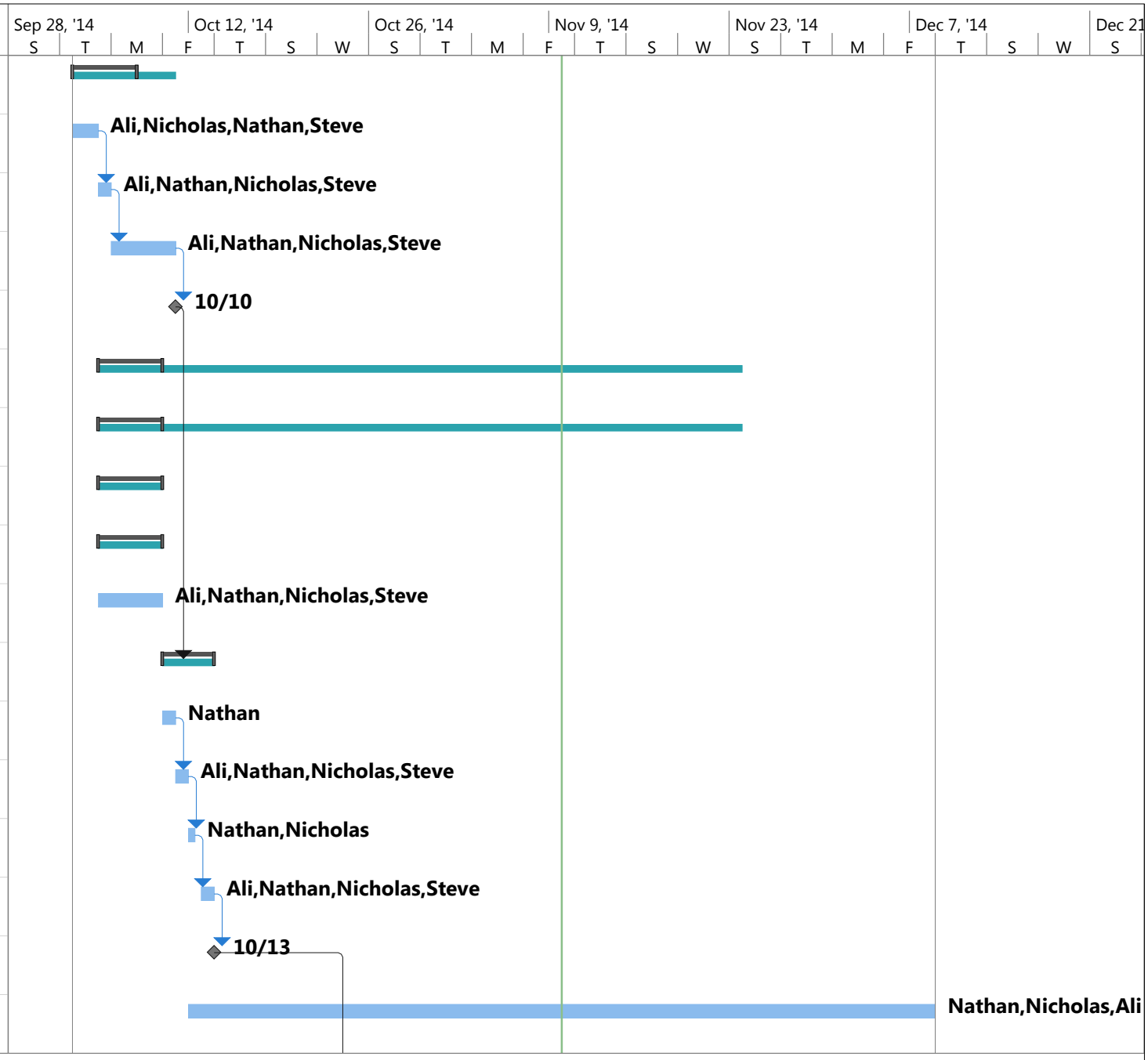
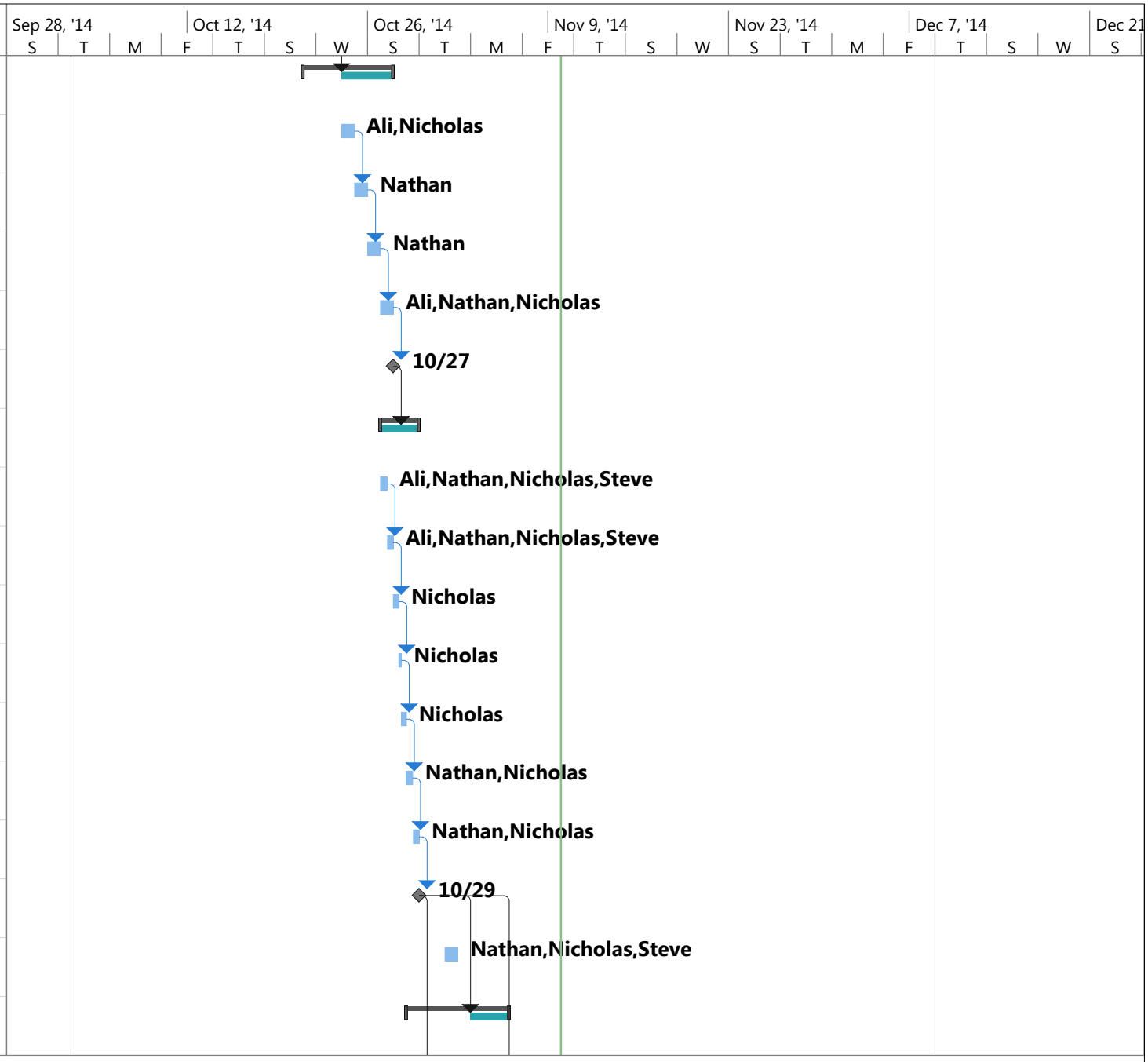
ID	Task Name
1	**Choose Project**
2	Brainstorm Project Ideas
3	Vote top 4 ideas
4	Create Decision Matrix
5	Final Decision
6	**Research**
7	**Microcontroller**
11	**Tone Generation**
15	**Effects**
18	Investigate Cost
19	**Project Proposal**
20	Write Proposal Draft
21	Review Draft
22	Revise Draft
23	Review Revision
24	Submit Proposal
25	Manage Project Wiki

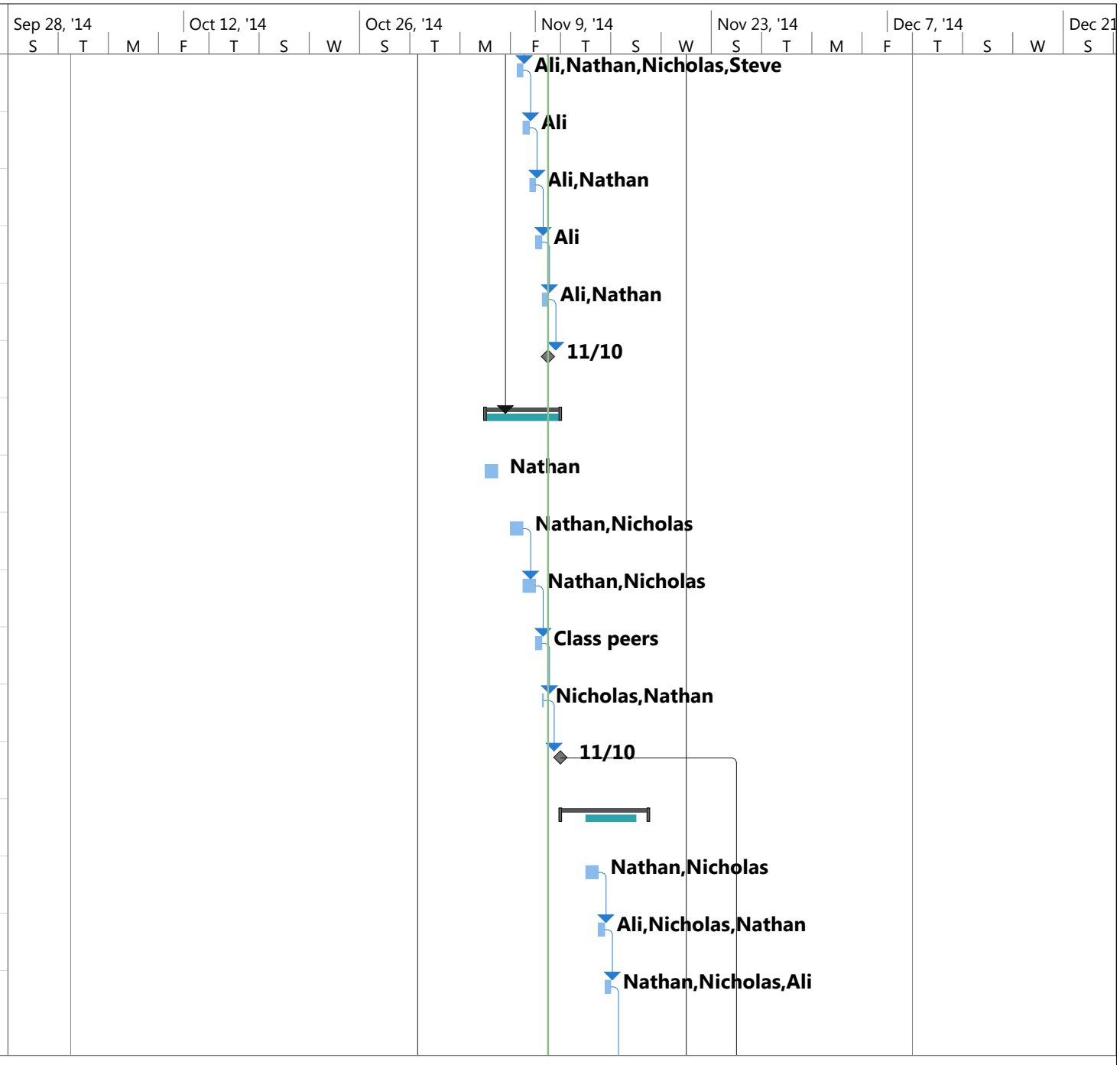


ID	Task Name
26	**Design Requirements**
27	Write Draft
28	Review Draft
29	Revise Draft
30	Review Revision
31	Submit Requirements
32	**Preliminary Schematic**
33	Design Circuit Block Diagram
34	Select Parts
35	Create Parts Libraries
36	Create Schematic in Eagle
37	Review ERC errors
38	Revise
39	Review Revision
40	Submit Schematic
41	Wire glove with buttons
42	**Preliminary Board Layout**

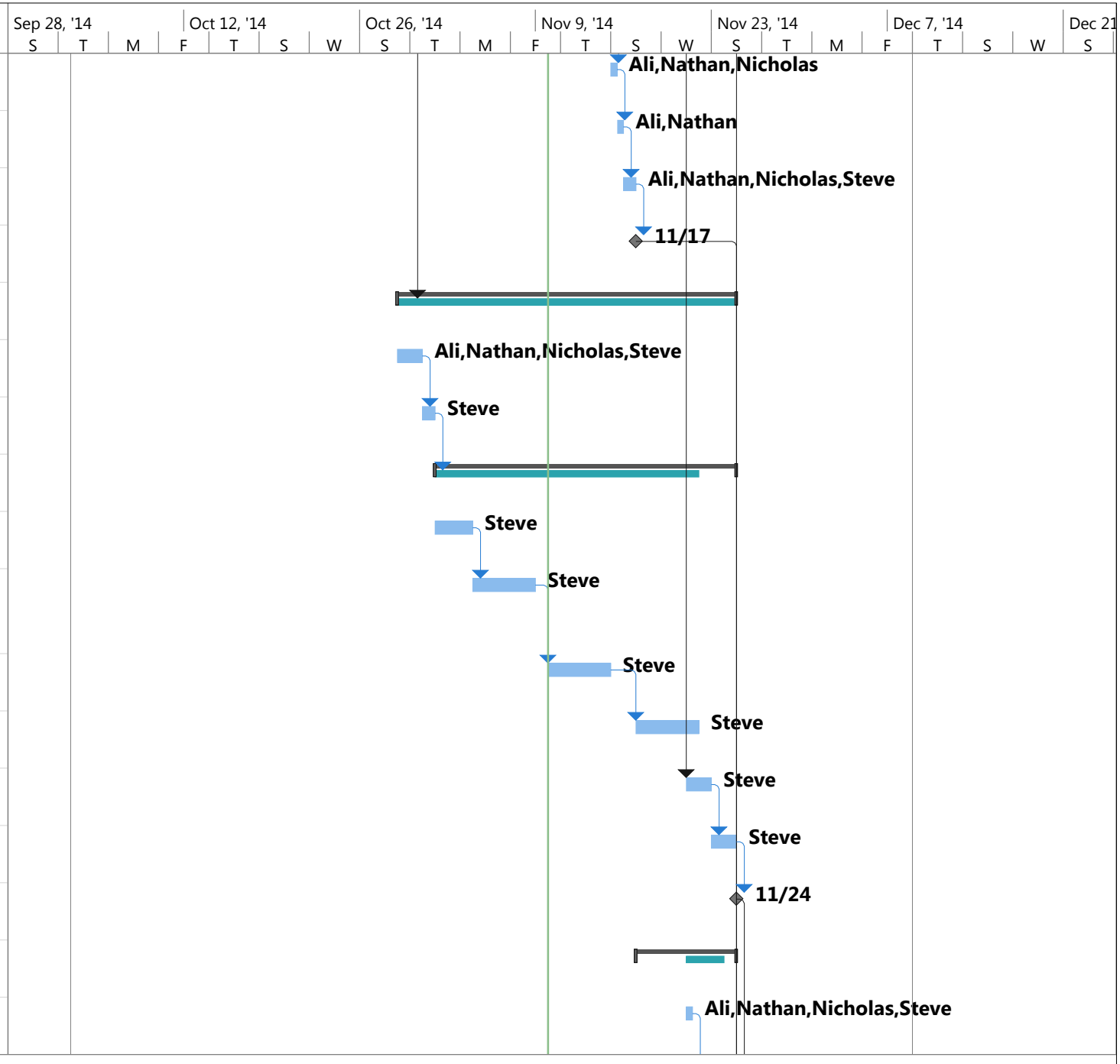


ID	Task Name
43	Arrange board in Eagle
44	Route the board
45	Check for errors
46	Review board
47	Review Revision
48	Submit layout
49	**Prototype Board**
50	Arrange single sided prototype board
51	Route prototype board
52	Check for errors
53	Revise for errors
54	Review Revision
55	Generate gerber files
56	Print board and assemble
57	Begin using prototype board
58	**Project Schedule**
59	Determine necessary milestones

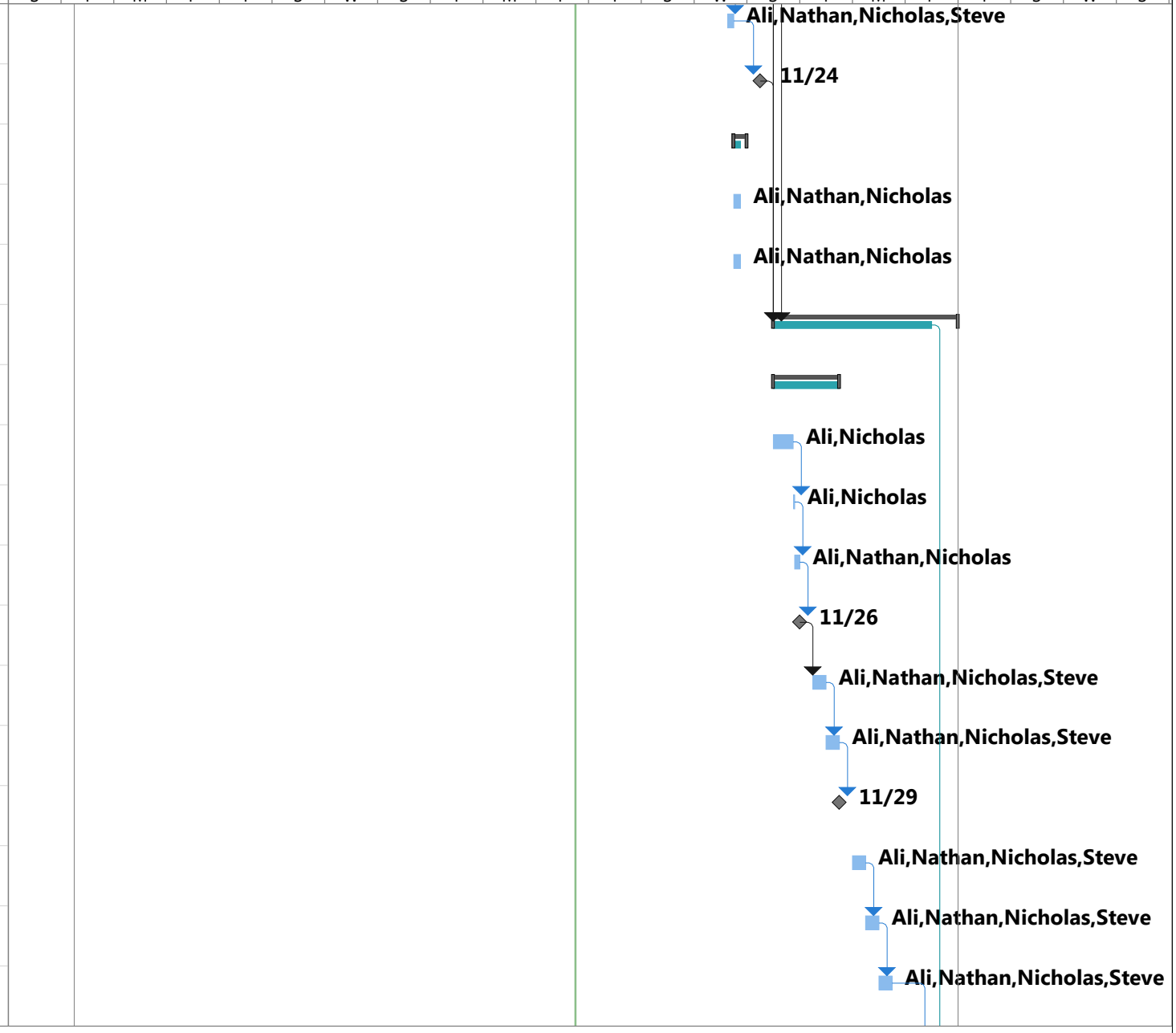
ID	Task Name	Resource Names
60	Evaluate and set deadlines	Ali,Nathan,Nicholas,Steve
61	Create project schedule	Ali
62	Review Project Schedule	Ali,Nathan
63	Revise Schedule	Ali
64	Review Revision	Ali,Nathan
65	Submit schedule	11/10
66	**Send PCB files to vendor**	
67	Add final amp to board	Nathan
68	Complete Final Schmatic	Nathan,Nicholas
69	Complete Final Layout	Nathan,Nicholas
70	Peer review layout	Class peers
71	Generate gerber files	Nicholas,Nathan
72	Send CAM files to OSH Park	11/10
73	**System Diagram**	
74	Draw Level 0 block diagram	Nathan,Nicholas
75	Draw Level 1 block diagram	Ali,Nicholas,Nathan
76	Draw Level 0 block diagrams for each Level 1 subcomponent	Nathan,Nicholas,Ali



ID	Task Name
77	Review diagrams
78	Revise Diagrams
79	Review Revision
80	Submit System Diagram
81	**Program Microcontroller**
82	Develop algorithm based on design decisions
83	Verify algorithm
84	**Program algorithm**
85	Generate single PWM tone
86	Generate multiple tones with various button combinations
87	Incorporate ADC input
88	Finalize code
89	Test Program
90	Debug
91	Verify
92	**Test Plan**
93	Design test cases



ID	Task Name
94	Implement cases into test plan
95	Submit test plan
96	**Build Housing**
97	Design Housing
98	Laser cut or 3D print design
99	**Working Prototype**
100	**Assemble PCB**
101	Solder parts to board
102	Check connections
103	Debug
104	Verify
105	Confirm board functionality
106	Make adjustments/debug
107	Verify
108	Assemble parts
109	Test Prototype using test plan
110	Debug



ID	Task Name	Sep 28, '14	Oct 12, '14	Oct 26, '14	Nov 9, '14	Nov 23, '14	Dec 7, '14	Dec 21
		S T M F T S W	S T M F T S W	S T M F T S W	S T M F T S W	S T M F T S W	S T M F T S W	S
111	Verify						12/7	
112	Demo						12/8	