	Ⓐ	Name	Duration	Start	Finish	Predecessors	Resource Names
1		⊟**Milestones**	**49.125 days**	**10/1/19 8:00 AM**	**12/9/19 9:00 AM**		
2		0% Complete	0 days	10/1/19 8:00 AM	10/1/19 8:00 AM		
3		25% Complete	0 days	10/28/19 8:00 AM	10/28/19 8:00 AM		
4		50% Complete	0 days	11/28/19 9:00 AM	11/28/19 9:00 AM		
5		75% Complete	0 days	12/5/19 9:00 AM	12/5/19 9:00 AM		
6		100% Complete	0 days	12/9/19 9:00 AM	12/9/19 9:00 AM		
7	✔	Meet with team to determine project idea	0.875 days	10/4/19 8:00 AM	10/4/19 4:00 PM		Ali;Ian;Marc;Nick
8	✔	⊟**Document Project**	**23.25 days**	**10/4/19 2:00 PM**	**11/6/19 4:00 PM**		
9	✔	Record Project Ideas	0.375 days	10/4/19 2:00 PM	10/5/19 6:00 AM	7	Ali;Ian;Marc;Nick
10	✔	Create a GitHub Page	1 day	10/11/19 8:00 AM	10/11/19 4:00 PM		Ian
11	✔	Record Product Design Specifications	2 days	10/17/19 8:00 AM	10/19/19 12:00 AM		Ali;Ian;Marc;Nick
12	✔	Create Preliminary Schematics	5 days	10/24/19 8:00 AM	10/26/19 12:00 AM		Marc
13	✔	Create Project Schedule	0.875 days	11/6/19 8:00 AM	11/6/19 4:00 PM		Ali;Ian;Marc;Nick
14		⊟**Design PCBs**	**32 days**	**10/4/19 8:00 AM**	**11/19/19 12:00 AM**		
15	✔	⊟**Design Microprocessor Board**	**1 day**	**10/4/19 8:00 AM**	**10/6/19 12:00 AM**		
16	✔	Clone Arduino Micro Schematic	5 days	10/4/19 8:00 AM	10/6/19 12:00 AM		Marc
17		⊟**Design Bandpass Filter Board**	**6 days**	**11/9/19 9:00 AM**	**11/19/19 12:00 AM**		
18		Decide frequency bands	0 days	11/9/19 9:00 AM	11/9/19 5:00 PM		Ian;Marc
19		Perform simulations	0.875 days	11/15/19 9:00 AM	11/15/19 5:00 PM	18	Ian;Marc
20		Layout PCB	1 day	11/18/19 8:00 AM	11/19/19 12:00 AM	19	Ian;Marc
21		⊟**Write & Test Software**	**14.875 days**	**11/7/19 9:00 AM**	**11/28/19 12:00 AM**		
22		Acquire Arduino Development tools	0.875 days	11/7/19 9:00 AM	11/7/19 5:00 PM		Ali;Nick
23		Test NeoPixel library	0.875 days	11/8/19 8:00 AM	11/8/19 4:00 PM	22	Ali;Nick
24		Validate inputs	1 day	11/27/19 8:00 AM	11/28/19 12:00 AM	42	Ali;Nick
25		Validate outputs	1 day	11/27/19 8:00 AM	11/28/19 12:00 AM	42	Ali;Nick
26		⊟**Develop Display Algorithms**	**1.875 days**	**11/7/19 9:00 AM**	**11/9/19 12:00 AM**		
27		Create block diagram	0.875 days	11/7/19 9:00 AM	11/7/19 5:00 PM		Ali;Nick
28		Create high level algorithm	0.875 days	11/8/19 8:00 AM	11/8/19 4:00 PM	27	Ali;Nick
29		Create low level algorithm	0.125 days	11/8/19 4:00 PM	11/9/19 12:00 AM	28	Ali;Nick
30		Test Algorithms on NeoPixels	0.875 days	11/15/19 9:00 AM	11/15/19 5:00 PM	29	Ali;Nick
31		Upload firmware	0.875 days	11/18/19 8:00 AM	11/18/19 4:00 PM	40	Ali;Nick
32		⊟**Purchase Materials**	**25 days**	**10/25/19 8:00 AM**	**11/28/19 5:00 PM**		
33	✔	Order Microprocessor PCBs	1 day	10/28/19 8:00 AM	10/28/19 4:00 PM	16	Marc
34		Order Bandpass Filter PCBs	1 day	11/19/19 9:00 AM	11/19/19 5:00 PM	20	Marc
35	✔	Order passive/active components	1 day	10/25/19 8:00 AM	10/25/19 4:00 PM	16;20	Marc
36		Order translucent case	1 day	11/28/19 9:00 AM	11/28/19 5:00 PM		Marc
37	✔	Order LED Arrays	1 day	11/6/19 9:00 AM	11/6/19 5:00 PM		Marc
38		⊟**Assemble PCBs**	**3.875 days**	**11/15/19 9:00 AM**	**11/21/19 8:00 AM**		
39		Assemble Bandpass Filter PCBs	1 day	11/20/19 8:00 AM	11/21/19 8:00 AM	34;35	Ali;Ian;Marc;Nick
40		Assemble Microprocessor PCBs	0.875 days	11/15/19 9:00 AM	11/17/19 1:00 AM	33;35	Ali;Ian;Marc;Nick
41		⊟**Integrate PCBs**	**1 day**	**11/26/19 8:00 AM**	**11/27/19 8:00 AM**		
42		Connect boards together	1 day	11/26/19 8:00 AM	11/27/19 8:00 AM	37;39;40	Ali;Ian;Marc;Nick
43		⊟**Create Test Cases**	**0.875 days**	**11/22/19 9:00 AM**	**11/23/19 1:00 AM**		
44		Create I/O Test Cases	0.875 days	11/22/19 9:00 AM	11/23/19 1:00 AM	11	Ali;Ian;Marc;Nick
45		Create Filtering Test Cases	0.875 days	11/22/19 9:00 AM	11/23/19 1:00 AM	17	Ali;Ian;Marc;Nick
46		Execute Test Cases	0.875 days	12/2/19 9:00 AM	12/3/19 1:00 AM	44;45	Ali;Ian;Marc;Nick
47		Review Documentation	0.875 days	12/6/19 9:00 AM	12/6/19 5:00 PM	8	Ali;Ian;Marc;Nick
48		Demonstrate Project	0.875 days	12/9/19 9:00 AM	12/9/19 5:00 PM		Ali;Ian;Marc;Nick