





























Capstone Project Gantt Chart

ID		Task Mode	Task Name	Duration	Start
1			Research Digital Modes	10 days?	Mon 9/10/18
2			Pick Digital Modes to Implement	1 day	Mon 9/24/18
3			Research other software options	5 days	Tue 9/25/18
4			Either use PiStar software or Pick a new software based on reviews/features	2 days	Tue 10/2/18
5			Research Hardware Options	3 days	Thu 10/4/18
6			Pick Hardware based on reviews, features, support	2 days	Tue 10/9/18
7			Install Chosen Software on Raspberry Pi	1 day?	Tue 10/9/18
8			Obtain the Hardware	3 days	Thu 10/11/18
9			Assemble the hardware	1 day?	Tue 10/16/18
10			Update software and hardware firmware	1 day	Wed 10/17/18
11			Configure the software to interface with the Hardware	1 day?	Thu 10/18/18
12			Pick available frequency to use	1 day?	Thu 10/18/18
13			Program radios	1 day	Fri 10/19/18
14			Test & Reconfigure as Needed	3 days	Fri 10/19/18
15			Design or modify a Nextion screen layout	5 days?	Tue 10/16/18
16			Program & Install a Nextion Screen	1 day	Tue 10/23/18
17			Design or modify a 3D printed case design (prototype)	7 days?	Wed 10/24/18

Capstone Project Gantt Chart

ID		Task Mode	Task Name	Duration	Start
18			Test fit the prototype case design	1 day	Fri 11/2/18
19			If case fits, print final design, else redesign	4 days	Mon 11/5/18
20			Add/enable/setup extra features (i.e. remote SSH, remote control, auto-connect)	4 days	Wed 10/24/18
21			Write final paper	14 days	Tue 10/30/18
22			Test demo	1 day	Tue 10/30/18
23			Fix any issues	3 days?	Wed 10/31/18
24			Retest Demo	1 day	Mon 11/5/18
25			Write draft of technical documentation guide	8 days	Mon 11/19/18
26			Create presentation & finalize technical documentation	3 days	Thu 11/29/18

Capstone Project Gantt Chart

Finish	Predecessors	Resource Names
Fri 9/21/18		
Mon 9/24/18	1	
Mon 10/1/18	2	
Wed 10/3/18	3	
Mon 10/8/18	4,2	
Wed 10/10/18	5	
Tue 10/9/18	4,5	
Mon 10/15/18	6	
Tue 10/16/18	8	
Wed 10/17/18	9	
Thu 10/18/18	10	
Thu 10/18/18	10	
Fri 10/19/18	2,4,12	
Tue 10/23/18	11	
Mon 10/22/18	8	
Tue 10/23/18	15	
Thu 11/1/18	9,16	

Capstone Project Gantt Chart

Finish	Predecessors	Resource Names
Fri 11/2/18	17	
Thu 11/8/18	18	
Mon 10/29/18	14	
Fri 11/16/18	20	
Tue 10/30/18	20	
Fri 11/2/18	22	
Mon 11/5/18	23	
Wed 11/28/18	21	
Mon 12/3/18	21,25	