

Task Name	Duration	Start	Finish	Predeci
Initial Report				
Initial Reading	4 days	Mon 16/01/17	Wed 15/02/17	
Literature Survey	7 days	Fri 20/01/17	Thu 26/01/17	2
Initial Report Draft	14 days	Wed 25/01/17	Tue 07/02/17	
Initial Report Editing	8 days	Wed 08/02/17	Wed 15/02/17	4
Initial Report Deadline	0 days	Thu 16/02/17	Thu 16/02/17	1
User Survey				
Create Survey for Swarm Robotics Researchers	10 days	Fri 17/02/17	Wed 15/03/17	
Distribute Survey and Collate Results	17 days	Mon 27/02/17	Wed 15/03/17	
Development				
Read and Understand Relevant Existing Code	14 days	Thu 26/01/17	Wed 08/02/17	
Establish Development Environment and Toolchain	3 days	Thu 26/01/17	Sat 28/01/17	
Learn to Re-Program E-Puck Robots	2 days	Mon 30/01/17	Tue 31/01/17	
Design Software Architecture	2 days	Wed 01/02/17	Thu 02/02/17	
Design General User Interface	3 days	Fri 03/02/17	Sun 05/02/17	
Incorporate Tracking Camera Code	2 days	Mon 06/02/17	Tue 07/02/17	15
Implement Tracking Camera Controller	2 days	Fri 17/02/17	Sat 18/02/17	16
Implement Wireless Data Receive	3 days	Mon 20/02/17	Wed 22/02/17	
Determine Robot Data Types	2 days	Thu 23/02/17	Fri 24/02/17	
Design and Implement Data Model	6 days	Mon 27/02/17	Sat 04/03/17	19
Implement Mapping Received Data to Model	3 days	Mon 06/03/17	Wed 08/03/17	20,18
Implement Basic Visualiser	5 days	Thu 09/03/17	Mon 13/03/17	16,17
Design UI Data Representation	2 days	Fri 17/03/17	Sat 18/03/17	9
Implement Graphical Data Representation	10 days	Mon 20/03/17	Wed 29/03/17	21,23,22
Implement Textual Data Representation	10 days	Mon 20/03/17	Wed 29/03/17	21,23
Implement Data Representation Filtering	5 days	Thu 30/03/17	Mon 03/04/17	24,25
Implement Robot Data Comparison	3 days	Tue 04/04/17	Thu 06/04/17	26
Development Complete	0 days	Fri 07/04/17	Fri 07/04/17	10
Testing				
Continuous Integration Testing	45 days	Wed 22/02/17	Fri 07/04/17	
Manual Verification Testing	10 days	Sat 08/04/17	Mon 17/04/17	28
Verification Fixes and Changes	5 days	Tue 18/04/17	Sat 22/04/17	31
User Testing	5 days	Thu 13/04/17	Mon 17/04/17	
Final Fixes and Changes	14 days	Tue 18/04/17	Mon 01/05/17	33
Demonstration	0 days	Tue 02/05/17	Tue 02/05/17	29,10
Final Report				
Create a Report Plan	3 days	Mon 20/02/17	Wed 22/02/17	
Create a Skeleton Document	2 days	Thu 23/02/17	Fri 24/02/17	37
Literature Review	19 days	Sat 25/02/17	Wed 15/03/17	38
Draft Report	42 days	Thu 16/03/17	Wed 26/04/17	39
Editing and Proof Reading	21 days	Thu 27/04/17	Wed 17/05/17	40
Final Report Deadline	0 days	Thu 18/05/17	Thu 18/05/17	36

