


















Project Name Parking Automation System												
		Name	Duration	Start	Finish	Predecessors	Resources	Custom 1	Custom 2	Custom 3	Custom 4	Custom 5
1		☐ Sprint 1	7days	04/07/2025	04/15/2025							
2		Conduct research on parking automation systems	1day	04/07/2025	04/07/2025							
3		Define project scope and objectives	1day	04/07/2025	04/07/2025							
4		Set up the development environment	1day	04/08/2025	04/08/2025							
5		Create the project structure	1day	04/09/2025	04/09/2025	2,3,4						
6		Design UI with Figma	1day	04/10/2025	04/10/2025	5						
7		Develop main UI components	2days	04/14/2025	04/15/2025	5						
8		☐ Sprint 2	22days	04/16/2025	05/15/2025	1						
9		Create database structure	1day	04/16/2025	04/16/2025							
10		Integrate UI with Firebase	2days	04/17/2025	04/18/2025	9						
11		Implement authentication system	5days	04/21/2025	04/25/2025	10						
12		Integrate Raspberry Pi sensors	1day	04/24/2025	04/24/2025	10						
13		Develop real-time parking occupancy tracking	12days	04/25/2025	05/12/2025	12						
14		Design digital display system	4days	05/12/2025	05/15/2025							
15		☐ Sprint 3	10days	05/16/2025	05/29/2025	8						
16		Implement license plate recognition system	10days	05/16/2025	05/29/2025							
17		Develop parking capacity optimization algorithm	3days	05/16/2025	05/20/2025							
18		Implement API integration	2days	05/21/2025	05/22/2025							
19		Establish Power BI for analytics and reporting	2days	05/22/2025	05/23/2025							
20		Apply data security measures	2days	05/26/2025	05/27/2025							
21		Create mobile app notification system	2days	05/28/2025	05/29/2025							
22		☐ Sprint 4	16days	05/30/2025	06/20/2025	15						
23		Implement user authorization and role-based access controls	3days	05/30/2025	06/03/2025							
24		Establish error logging and alert system	2days	06/04/2025	06/05/2025	23						
25		Perform unit testing	3days	06/06/2025	06/10/2025	24						
26		Conduct integration testing	2days	06/11/2025	06/12/2025	25						
27		Perform UI testing	2days	06/13/2025	06/16/2025	26						
28		Prepare project documentation	2days	06/17/2025	06/18/2025	27						
29		Final evaluation and system deployment preparation	2days	06/19/2025	06/20/2025	28						