



PROJECT CHARTER



PROJECT TITLE		SmartChef AI		PROJECT MANAGER		Waleed Amray		
Project Start Date		Jan-13-2021	Project End Date		Sept-15-2021	Project Sponsor		Seneca College
Project Objective				Key Deliverables				
<ul style="list-style-type: none">• Develop an AI-powered meal planning desktop application.• Provide personalized meal recommendations based on dietary preferences.• Enhance user experience through an interactive GUI using PyQt5.• Ensure seamless integration with OpenAI's API for meal generation.				<ul style="list-style-type: none">• Fully functional SmartChef AI desktop application.• AI-driven meal recommendation system.• User-friendly GUI with dietary selection features.• Documentation and user guide.• Testing, debugging, and final deployment.				
Project Scope								
In-Scope <ul style="list-style-type: none">✔ AI-generated meal suggestions based on dietary preferences.✔ GUI-based user interface with meal selection options.✔ Integration with OpenAI API for smart meal planning.✔ Basic nutrition information for recommended meals.✔ Regular updates & maintenance				Out-of-Scope <ul style="list-style-type: none">✘ Mobile app development (initial phase).✘ Advanced calorie tracking & meal logging.✘ Grocery shopping integration.				

Risk & Constraints		Budget Breakdown																			
<table><tr><th>Risk</th><th>Mitigation Strategy</th></tr><tr><td>API Downtime</td><td>Implement fallback strategies for meal generation</td></tr><tr><td>Budget Overruns</td><td>Prioritize critical features & optimize spending</td></tr><tr><td>User Adoption</td><td>Focus on an intuitive UI & targeted marketing</td></tr></table>		Risk	Mitigation Strategy	API Downtime	Implement fallback strategies for meal generation	Budget Overruns	Prioritize critical features & optimize spending	User Adoption	Focus on an intuitive UI & targeted marketing	<table><tr><th>Phase</th><th>Estimated Cost (USD)</th></tr><tr><td>Planning & Research</td><td>\$5,000</td></tr><tr><td>Development</td><td>\$20,000</td></tr><tr><td>Testing & QA</td><td>\$5,000</td></tr><tr><td>Marketing & Deployment</td><td>\$8,500</td></tr></table>		Phase	Estimated Cost (USD)	Planning & Research	\$5,000	Development	\$20,000	Testing & QA	\$5,000	Marketing & Deployment	\$8,500
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Timeline & Milestones																					
Phase		Milestone	Timeline																		
Planning		Market research, UI/UX design	Month 1																		
Development		Backend AI & GUI setup	Month 2-3																		
Testing		Debugging & user feedback	Month 4																		
Deployment		Final release & launch	Month 5																		

Team directory

 Name	 Role
Waleed Amray	Project Manager
Corrina Manning	Head UX/UI Designer
Jarrin Abraham	Head AI Engineer

Approval Committee

 Name	 Role
Durham College	Sponsor
Business Division Head	Aniket Sharma
Business Unit Head	Sunil Rajan
Finance Manager	Ketan Shah