

Project Title: Voice Assistant						
Project Leader: Zeyad Hany		Team Member:  In next page				
Business Case (importance): Seamless user interaction through voice or text commands . it seamlessly integrates with internet of things(IOT)						
Problem Statement(purpose): our project aims to develop a Voice-Activated Assistant with IoT Integration. This solution will offer a user-friendly interface for controlling devices through natural language, learning user preferences, and enhancing the overall smart living experience.		Goal Statement (Measures): Functionality and integration Cross-platfom compatibility Security and Privacy				
Project Scope, Constraints:		Deliverables:				
<table><tr><th>In</th><th>Out</th></tr><tr><td><ul style="list-style-type: none"><li>• Development of the voice-activated assistant's core functionalities.</li><li>• integration with various IoT devices, including [list of devices].</li><li>• implementation of natural language processing for intelligent interactions.</li><li>• Multilingual support for a diverse user base.</li><li>• User support, feedback mechanisms, and continuous improvement processes.</li></ul></td><td><ul style="list-style-type: none"><li>• Hardware production or sales Customization of IoT devices beyond standard integrations.</li><li>•integration with proprietary IoT platforms not identified in the scope</li></ul></td></tr></table>		In	Out	<ul style="list-style-type: none"><li>• Development of the voice-activated assistant's core functionalities.</li><li>• integration with various IoT devices, including [list of devices].</li><li>• implementation of natural language processing for intelligent interactions.</li><li>• Multilingual support for a diverse user base.</li><li>• User support, feedback mechanisms, and continuous improvement processes.</li></ul>	<ul style="list-style-type: none"><li>• Hardware production or sales Customization of IoT devices beyond standard integrations.</li><li>•integration with proprietary IoT platforms not identified in the scope</li></ul>	<ul style="list-style-type: none"><li>• Assistant Core Functionality.</li><li>• IoT Device Integration.</li><li>• User Interface (UI).</li><li>• Multilingual Support.</li></ul>
In	Out					
<ul style="list-style-type: none"><li>• Development of the voice-activated assistant's core functionalities.</li><li>• integration with various IoT devices, including [list of devices].</li><li>• implementation of natural language processing for intelligent interactions.</li><li>• Multilingual support for a diverse user base.</li><li>• User support, feedback mechanisms, and continuous improvement processes.</li></ul>	<ul style="list-style-type: none"><li>• Hardware production or sales Customization of IoT devices beyond standard integrations.</li><li>•integration with proprietary IoT platforms not identified in the scope</li></ul>					
Resources:		Stakeholders:				
<ul style="list-style-type: none"><li>• Development Team</li><li>• Language Processing Technology (NLP)</li><li>• IoT Device Compatibility</li><li>• Cloud Infrastructure</li><li>• User Support and Documentation Team</li></ul>		<ul style="list-style-type: none"><li>• Zeyad Hany (Leader)</li><li>• Amar Yasser Mekawy (Co-Leader)</li></ul>				



# OUR TEAM



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GROUP 1  
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