



**Bharatiya Vidya Bhavan's**  
**Sardar Patel Institute of Technology**  
**Department of Computer Engineering**  
**Academic Year 2023-24**

**Dissertation Weekly Progress Report**

**Title/Area of Dissertation:** JARVIS – The Virtual Assistant

**Name of Students:**

1. Mayur Krishna Solankar

2. Manish Shashikant Jadhav

3. Vishesh Bhimji Savani

**Name of the Supervisor:** Dr. Prasenjit Bhavathankar

Review Date	Details of Work Done and Review of Meeting	Students Signature	Remarks by Supervisor	Supervisor Signature
02/02/2024	<ul style="list-style-type: none"><li>Selected the project topic.</li><li>Researched existing virtual assistant technologies.</li><li>Outlined the project goals and requirements.</li></ul>			



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09/02/2024	<ul style="list-style-type: none"><li>Started designing the system architecture.</li><li>Began implementing basic voice recognition using Speech Recognition Module.</li></ul>			



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16/02/2024	<ul style="list-style-type: none"><li>Implemented basic command execution based on voice input.</li><li>Started working on integrating OS related features.</li></ul>			



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23/02/2024	<ul style="list-style-type: none"><li>Integrated basic OS commands.</li><li>Worked on improving voice recognition accuracy.</li><li>Demonstrated solid progress in Phase-1 evaluation.</li></ul>			



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01/03/2024	<ul style="list-style-type: none"><li>Implemented basic response generation for commands.</li><li>Explored ways to implement WhisperAI.</li></ul>			



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15/03/2024	<ul style="list-style-type: none"><li>Worked on implementing WhisperAI as instructed in Phase-1 evaluation by mentor.</li></ul>			



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22/03/2024	<ul style="list-style-type: none"><li>Continued improving voice recognition and response generation.</li><li>Started working on integrating an API for fetching information.</li></ul>			



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01/04/2024	<ul style="list-style-type: none"><li>Integrated API for fetching information.</li><li>Continued testing and debugging the system ensuring features are working effectively.</li></ul>			





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05/04/2024	<ul style="list-style-type: none"><li>Explored ways to improve user interaction and response time.</li><li>Started working on a feature to take photos using CV2 module.</li></ul>			



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12/04/2024	<ul style="list-style-type: none"><li>Integrated the ‘take a photo’ feature by using CV2.</li><li>Continued testing and debugging the system.</li></ul>			



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19/04/2024	<ul style="list-style-type: none"><li>Added a dictionary to the project for identifying any spoken word.</li><li>Continued refining voice recognition and response generation.</li></ul>			



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26/04/2024	<ul style="list-style-type: none"><li>Started working on developing an attractive UI.</li></ul>			



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03/05/2024	<ul style="list-style-type: none"><li>• Made a final testing after implementing each feature along with finalizing modified UI.</li><li>• Completed the project and made final adjustments to the UI.</li></ul>			



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07/05/2024	<ul style="list-style-type: none"><li>Finalized the project.</li><li>Prepared the final report and presentation.</li><li>Presented the project and submitted the final report.</li></ul>			