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	• Selected the project topic. • Researched existing virtual assistant technologies. • Outlined the project goals and requirements.			

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09/02/2024	• Started designing the system architecture. • Began implementing basic voice recognition using Speech Recognition Module.			

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16/02/2024	• Implemented basic command execution based on voice input. • Started working on integrating OS related features.			

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23/02/2024	- Integrated basic OS commands. - Worked on improving voice recognition accuracy. - Demonstrated solid progress in Phase-1 evaluation.			

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01/03/2024	• Implemented basic response generation for commands. • Explored ways to implement WhisperAI.			

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15/03/2024	• Worked on implementing WhisperAI as instructed in Phase-1 evaluation by mentor.			

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Review Date	Details of Work Done and Review of Meeting	Students Signature	Remarks by Supervisor	Supervisor Signature
22/03/2024	• Continued improving voice recognition and response generation. • Started working on integrating an API for fetching information.			

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Review Date	Details of Work Done and Review of Meeting	Students Signature	Remarks by Supervisor	Supervisor Signature
01/04/2024	• Integrated API for fetching information. • Continued testing and debugging the system ensuring features are working effectively.			

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05/04/2024	• Explored ways to improve user interaction and response time. • Started working on a feature to take photos using CV2 module.			

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12/04/2024	• Integrated the 'take a photo' feature by using CV2. • Continued testing and debugging the system.			

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19/04/2024	• Added a dictionary to the project for identifying any spoken word. • Continued refining voice recognition and response generation.			

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Review Date	Details of Work Done and Review of Meeting	Students Signature	Remarks by Supervisor	Supervisor Signature
26/04/2024	• Started working on developing an attractive UI. • Made a final testing after implementing each feature along with finalizing modified UI. • Finalized the project.			

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03/05/2024	• Started working on developing an attractive UI. • Made a final testing after implementing each feature.			

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07/05/2024	• Prepared the final report and presentation. • Completed the project and made final adjustments to the UI. • Presented the project and submitted the final report.			