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

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| --- | --- | --- | --- | --- |
| **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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| 22/03/2024 | * Continued improving voice recognition and response generation. * Started working on integrating an API for fetching information. |  |  |  |

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| 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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| 26/04/2024 | * Started working on developing an attractive UI. |  |  |  |

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| 03/05/2024 | * Made a final testing after implementing each feature along with finalizing modified UI. * Completed the project and made final adjustments to the UI. |  |  |  |

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| 07/05/2024 | * Finalized the project. * Prepared the final report and presentation. * Presented the project and submitted the final report. |  |  |  |