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| Project Charter | | | |
| **Project Name:** Automated Guesture Control using Python | | |  |
| **Pre-approved Financial Resources:**  4,60,000$ | | | **Date Prepared** |
| 02/14/2024 |
| **Deadline** |
| 03/14/2024 |
| Key Project Stakeholders | | Software Developers  Manideep – Data Base Engineer  Amogh – UI Developer  Sandeep – Beta tester  Srinadh – Quality Assurance Analyst | |
| Sowmya Reddy Allugari  Riyaz Hussain  Sai Teja | |
| **Authority of the Sponsors:**  All the three stakeholders have equal sponsorship and authorizing power in the project. | |
| Project Manager | | **Project Scope** | |
| Sai Srikar Miriyala – Authorizing person of the project. | | 1)To develop a robust Python-based system for automated gesture control in PowerPoint presentations.  2)Ensure seamless integration of gesture detection, mapping, and documentation to enhance user experience and create a hands-free, interactive presentation environment. | |
| **MileStones:**  Time period 4 sprints (i.e one month)  **MileStone-1:**  Develop and test Gesture Detection – 25%  **MileStone-2:**  Implement Gesture-to-Function Mapping and advanced PowerPoint integration – 25%  **MileSTone-3**:  Integrate and test the complete Gesture Control System with documentation – 25%  **MileStone-4:**  Finalize documentation, add features, and conduct the last round of testing – 25%  In each milestone every single software data base will be integrated.  In every milestone the individual testing will be done based on the developed software. | | | |
| **Overall Project Risk:** In the entire project development, we may come up with major risks such as gesture recognition accuracy, compatibility issues, user adoption challenges, integration complexities, security concerns, and resource constraints. Mitigation strategies involve thorough testing, user-friendly design, incremental integration, robust security measures, and regular resource reassessment. | | | |
| **Project Exit Criteria:**   * Achieve a minimum gesture recognition accuracy of 95%. * Demonstrate seamless integration with PowerPoint and consistent functionality. * Attain positive user feedback, indicating high satisfaction and ease of adaptation. * Complete comprehensive documentation, resolve all reported issues, and gain stakeholder approval, meeting project timeline and budget constraints. | | | |

Team Members Names:

1. Sai Srikar Miryala
2. Sowmya Reddy Allugari
3. Shaik Riyaz Hussain
4. Amogh Reddy Nalla
5. Venkata Sai Sandeep Nirujogi
6. Lakshmi Sai Teja Padam
7. Manideep Gattineni

**Key Project Stakeholders:**

1. **Project Manager:**
   * Name: Sai Srikar Miriyala, Project Manager
2. **Developers/Programmers:**
   * Name: Manideep, Lead Developer
   * Name: Amogh Reddy, Developer
3. **Quality Assurance (QA) Team:**
   * Name: Srinadh, QA Manager
4. **Human-Computer Interaction (HCI) Expert:**
   * Name: Sai Teja, HCI Specialist
5. **Database Administrator:**
   * Name: Manideep, Database Administrator
6. **Key Business Stakeholders:**
   * Name: Sowmya Reddy Allugari, Riyaz Hussain, Sai Teja