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|  | **Title :** **Project Registration & Progress Review** | | **FF No. 180** |  |
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| **Department: AIDS-C** | | **Academic Year: First Year 2024-2025** | | | |
| **Semester :2** | | **Group No. : G5** | | | |
| **Project Title: AI-Powered Digital Twin for Productivity Automation** | | | | | |
| **Project Area: AUTOMATION** | | | | | |
| **Group Members Details:** | | | | | |

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| Project approved / Not approved  **Guide Project Coordinator Head of Department**  DR.C.M MAHAJAN  PROF.LOKESH KHEDEKAR  PROF.AMRUTA BHAWARTHI |

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| ****Introduction**** The project titled **"AI-Powered Digital Twin for Productivity Automation"** focuses on building an intelligent, web-based platform designed to improve user productivity through smart automation and personalization. At the heart of this system is a **digital twin**—an AI-powered virtual representation of the user that learns from their behavior, communication style, and preferences to assist in daily digital tasks. By utilizing advanced AI techniques such as **retrieval-augmented generation (RAG)**, the platform evolves to mimic the user’s tone and writing style over time. ****Key Features****  1. **Context-Aware Email Generation**    * Automatically drafts personalized email responses based on user history and communication tone.    * Can compose complete emails tailored to the user's interests and style. 2. **Smart Scheduling and Calendar Management**    * Handles calendar events, sets reminders, and schedules meetings.    * Integrates with tools like **Google Meet** to automate meeting creation and notifications. 3. **To-Do List & Workflow Automation**    * Builds a dynamic task list based on user priorities and ongoing workflows.    * Supports task execution tracking and intelligent suggestions to optimize task flow. 4. **Adaptive Personalization**    * Learns continuously from the user’s inputs and decisions.    * Improves with use to provide smarter, more relevant assistance over time. 5. **Retrieval-Augmented Generation (RAG)**    * Enhances response quality by fetching contextually relevant information before generating output.    * Ensures accurate, grounded, and user-specific assistance.  ****Additional Highlights****  * **Web-Based Interface** Accessible from anywhere, the platform is user-friendly and optimized for daily use. * **Privacy-Focused** Data is processed in a secure environment, ensuring the user’s information is protected. * **Scalable Design** Can be adapted for personal use, corporate productivity tools, or enterprise-level automation needs.  ****Conclusion**** The AI-powered digital twin boosts productivity by automating tasks and learning user preferences. It simplifies daily workflows, enabling users to focus on what matters most. |

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| Group No. | G5 | | |
| Activity | Review Schedule | Progress Review Report submitted | Signature of Guide |
| Review 1 | Mid Sem. Semester | Yes / No |  |
| Review 2 | End of Semester | Yes / No |  |

Format of Progress Review Report:

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| **Review No.: 1 Group No.: G5 Date:** |
| **Progress Review Report** |
| **Signature of Guide:** |

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| **Review No.: 2 Group No.: G5 Date:** |
| **Progress Review Report** |
| **Signature of Guide:** |