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Prodexa: A Web-Based Artificial Intelligence Assistant for Intelligent Productivity Management, Task Automation, Email Analysis, and Personalized Workflow Optimization

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Abstract: *In modern digital environments, individuals rely on multiple applications to manage tasks, emails, schedules, and productivity tools. However, switching between different platforms often results in inefficiency, increased cognitive load, and reduced productivity. This paper presents Prodexa, a web-based artificial intelligence assistant designed to improve productivity through intelligent task management, email analysis, and AI-driven insights. The proposed system integrates a centralized dashboard that allows users to monitor tasks, analyze email activity, and receive personalized productivity recommendations. By leveraging artificial intelligence techniques, the system can identify important tasks, generate intelligent suggestions, and assist users in prioritizing their workflow effectively. Additionally, the platform incorporates features such as mood and stress tracking to provide better context for productivity analysis. The system architecture includes a frontend dashboard, backend processing module, AI engine, and database layer that work together to provide seamless user interaction and intelligent automation. The proposed approach demonstrates how AI-powered productivity assistants can simplify workflow management and enhance decision-making in modern digital work environments.*

Keywords: Artificial Intelligence (AI), Productivity Management, Web-Based Application, Task Automation, Email Analysis, Intelligent Assistant, Workflow Optimization, AI-Driven Productivity Systems

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