**VIJAYA VITTALA INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**BANGALORE**

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**Synopsis**

**Study Ninja - Lets You Focus**

**Under the guidance of: Mr. Deepan Willam**

**Team Members:**

**Manha Kabir – 1VJ22CI026**

**Namrata – 1VJ22CI34**

**Study Ninja - Lets You Focus**

**1. Abstract**

The Study Ninja app is designed to maximize student efficiency by reducing distractions during study sessions. Using advanced technologies like AI-powered question-solving and study tracking, it creates a focused study environment. Study Ninja offers a comprehensive set of tools that enhance concentration, including note management, notification control, and personalized study plans. The app’s primary goal is to help students improve time management and foster productive study habits through gamification elements, such as rewards and leaderboards.

**2. Literature Survey**

**2.1 Existing System**

Existing study apps mostly focus on features like time tracking and note management but often lack AI-driven support for real-time question-solving and study planning. Some apps incorporate gamification to boost engagement, but few provide integrated tools to mute notifications or reduce distractions.

**2.2 Proposed System**

Study Ninja presents an all-in-one study solution with several enhanced features, including notification muting, a customizable Pomodoro timer, and AI-driven question-answering through Retrieval-Augmented Generation (RAG). The app’s gamification features, like rewards and achievements, boost motivation, while offline storage and automatic cloud syncing ensure a consistent, focused study experience.

**3. System Requirements**

**3.1 Hardware Requirements**

* Device: PC, laptop, tablet, or smartphone.
* Processor: Dual-core or higher for smooth interaction.
* Memory: Minimum of 2 GB RAM; 4 GB recommended for optimal performance.
* Network: Stable internet connection (minimum 2 Mbps) for real-time verification and data processing.

**3.2 Software Requirements**

* Browser: A modern web browser (e.g., Google Chrome, Firefox, Safari, Edge) that supports JavaScript and WebSockets for interactive functionality.
* Operating System: Any recent OS such as Windows 10+, macOS, Linux, iOS, or Android.
* Additional Requirements: JavaScript must be enabled in the browser for full functionality.

**4. Future Enhancement**

Potential future enhancements include advanced personalization for study plans using machine learning, improved integration with external academic resources, and expanded gamification features such as weekly challenges and group study leaderboards.