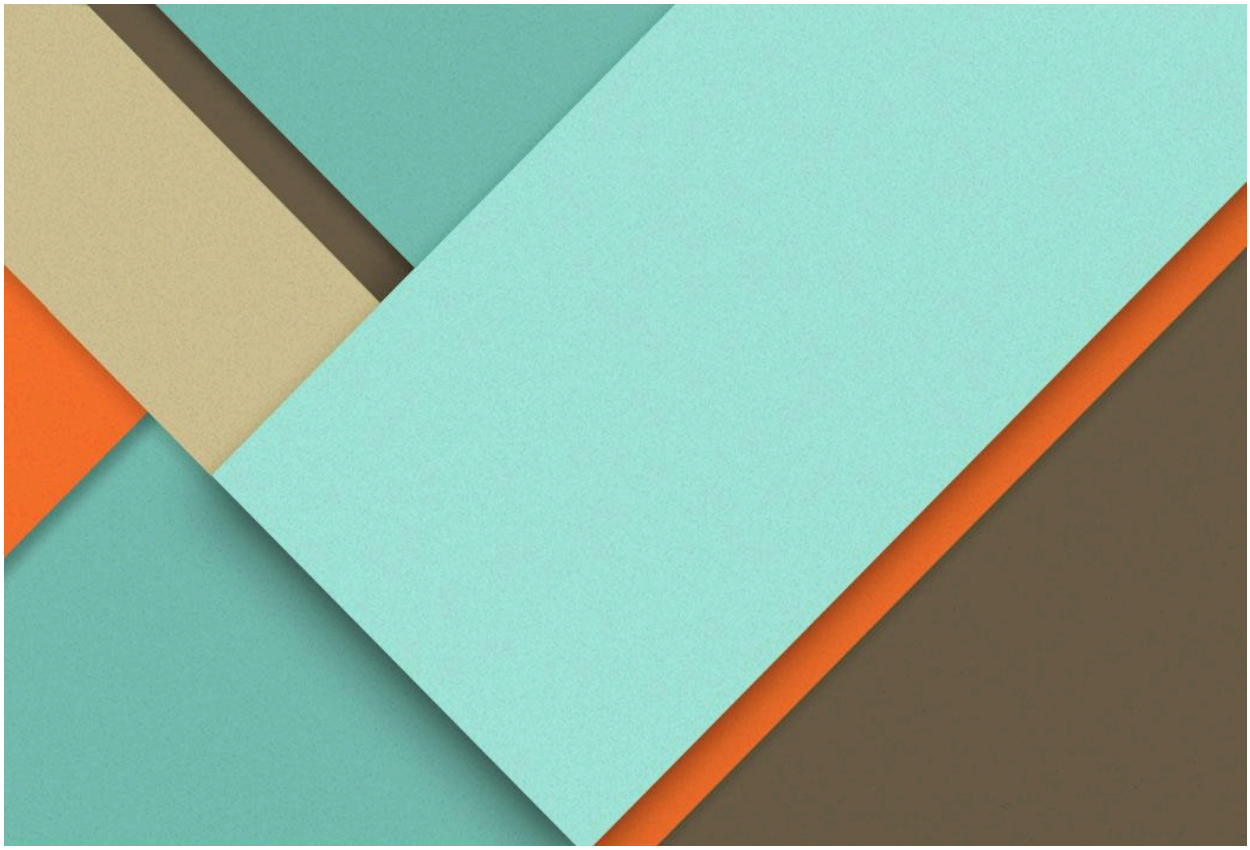

MINI UPS FOR WIFI ROUTERS

Team ECLIPSE

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Overview

Our project aims to develop a mini-uninterruptible power supply (UPS) specifically designed for WiFi routers. This mini UPS will ensure uninterrupted internet connectivity during power outages by providing backup power to the router. Additionally, it will include features such as battery level indication, charging indicator, and an intuitive control panel for user convenience.

Key features

- **Backup Power for WiFi Routers:** The mini UPS will provide backup power to WiFi routers during power outages, ensuring uninterrupted internet connectivity for users.
- **Battery Level Indication:** A built-in battery level indicator will display the remaining battery capacity, allowing users to monitor the UPS's status and plan accordingly.
- **Charging Indicator:** The UPS will feature a charging indicator to notify users when the battery is charging, ensuring that the UPS is always ready for use during power outages.

Target Audience and Use Cases

- Residential users, small office/home office (SOHO) setups, and remote workers who rely on consistent internet connectivity are the primary target audience.
- Use cases include ensuring uninterrupted internet access for remote work, online learning, entertainment streaming, and smart home automation systems during power outages.

Market value

With the increasing reliance on internet connectivity for work, education, and entertainment, uninterrupted access to WiFi is crucial for many users. However, power outages can disrupt internet services, leading to frustration and inconvenience. While there are UPS solutions available for larger electronic devices, there is a lack of affordable and tailored options for WiFi routers specifically.

Our mini UPS for WiFi routers aims to fill this gap by providing a cost-effective and efficient solution for maintaining internet connectivity during power outages.

The estimated budget for this project is Rs. 4000, covering the cost of components and development tools.