

Final Brief Report

To:
The Registrar
Ajeenkya DY Patil University
Pune

Subject: Report on "Smart Accessories and Wearable Technology"

Amount: ₹1,25,000

Project Duration: From 22nd August 2019 to 21st August 2020

Purpose of Seed Money:

The seed money was allocated to support research and development in the field of smart accessories and wearable technology. The project aimed to explore and create innovative wearable devices that integrate advanced technology with everyday accessories, enhancing user experience, health monitoring, and convenience.

Objectives:

1. To design and develop prototypes for smart accessories that combine fashion and technology.
2. To integrate sensors and other technology into wearable accessories for health monitoring, fitness tracking, and convenience purposes.
3. To evaluate user interaction, comfort, and performance of these smart wearable devices.

Utilization of Seed Money:

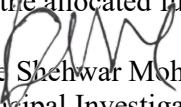
The seed money was used for purchasing components such as sensors, microcontrollers, wearable materials, batteries, and display modules. The funds also supported the development of prototypes, user testing, and market research to assess the viability of the products.

Outcomes Achieved:

1. **Prototypes of Smart Accessories:**
The project successfully developed several prototypes of smart accessories, such as smart rings, bracelets, and necklaces. These prototypes incorporated various features such as fitness tracking, heart rate monitoring, and step counting. Additionally, some accessories were designed to offer integration with smartphones for notifications and alerts.
2. **Integration of Wearable Technology:**
Sensors and microcontrollers were integrated into the accessories to monitor user health metrics, such as heart rate, body temperature, and activity levels. Data collected by these accessories could be synced with mobile applications, allowing users to track their health and fitness goals in real-time.
3. **User Interaction and Performance Evaluation:**
Extensive testing was conducted to evaluate the performance of the wearable accessories. Feedback was gathered from test users regarding comfort, usability, and accuracy of the health tracking features. Adjustments were made based on user input, improving the product's design and functionality.

Conclusion:

The seed money provided by Ajeenkya DY Patil University enabled Dure Shehwar Mohibi and the team to successfully design and develop prototypes for smart accessories and wearable technology. The project demonstrated the potential of integrating advanced technology into everyday accessories, offering users a combination of fashion, health monitoring, and convenience. The outcomes of this project are expected to contribute to the growing wearable technology market, and the research has laid the foundation for future commercialization and innovation. The project was completed within the given timeframe, and the allocated funds were used effectively to achieve the research goals.



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