



Republic of the Philippines
Bicol University
POLANGUI CAMPUS
Polangui, Albay



Phase 1: Comprehensive Planning and Architecture Design

PROJECT PROPOSAL

Title: NextGen Hardware

NextGen Hardware is an advanced online marketplace designed to provide high-quality computer hardware components for gamers, professionals, and tech enthusiasts. With the rapid evolution of technology, customers require a seamless shopping experience that offers easy access to the latest computer components. This system will serve as a one-stop solution for purchasing premium hardware while ensuring a smooth and secure transaction process. The platform will also include personalized recommendations and real-time order tracking to enhance user satisfaction.

Target users:

- **Gamers** – Individuals looking for high-performance components such as GPUs, CPUs, RAM, and cooling systems.
- **Professionals** – Designers, developers, engineers, and content creators in need of powerful workstations.
- **Tech Enthusiasts** – Hobbyists and PC builders who frequently upgrade and experiment with new hardware.
- **Business Clients** – Companies needing bulk hardware purchases for IT infrastructure or custom setups.

Features:

- **User-Friendly Interface** – A clean, intuitive design for easy navigation and product selection.
- **Secure Transactions** – Encrypted payment gateways to ensure data security.
- **Personalized Recommendations** – AI-driven suggestions based on browsing history and preferences.
- **Real-Time Order Tracking** – Enables users to monitor their purchases from confirmation to delivery.
- **Product Reviews & Ratings** – Customers can leave feedback to help others make informed decisions.

Brief objective:

The main objective of this system establishes a user-friendly, secure and time-efficient solution that lets buyers explore their options and make purchases of computer hardware products. The system will achieve enhanced customer satisfaction through individually tailored recommendations together with exact order tracking in real time throughout the entire purchasing process.