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Title of the Project: Web Application for Batangas State University's College of Informatics and Computing Sciences - Document Repository

Analysis

The College of Informatics and Computing Sciences at Batangas State University requires an efficient Document Repository system to manage and organize academic documents, research papers, and other relevant materials. The current manual system may lead to difficulties in accessing, updating, and sharing documents among faculty members and students. The proposed web application aims to streamline these processes, providing a centralized and secure platform for document storage, retrieval, and collaboration.

The system will allow users to upload, download, and manage various types of documents, including syllabi, research papers, project reports, and other academic resources. It will also feature version control, access control, and search functionalities to enhance efficiency and organization.

Design:

Welcome to the Document Repository

Choose a document to upload:

Choose File

No file chosen

Document Type:

Description:

Upload Document

Document List

Presentation Tier:

- Web browsers for user interaction

- User interfaces for document upload, download, and management

Application Tier:

- Web server for handling user requests
- Application server for processing and managing document-related operations

Database Tier:

- Database server for storing and retrieving documents
- Document repository database for metadata and version control

Software and Hardware:

Software:

- Frontend: HTML, CSS, JavaScript, and a JavaScript
- Backend: PHP and JavaScript
- Database: MongoDB for document metadata and version control

Hardware:

- Web server: Standard server hardware to host the web application
- Database server: Hardware capable of handling document storage and retrieval efficiently

User Interface Examples:

Login Page:

- Username and password fields for authentication

Dashboard:

- Overview of the user's uploaded documents, recent activities, and notifications

Document Upload Page:

- File upload functionality with options for document type and description

Document Repository Page:

- List or grid view of documents with details like name, type, and upload date

Document Details Page:

- Full details of a selected document, including version history and download options

