# QUESTIFY FYP PORTAL

## Final Year Project Proposal (BSCS)

By

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## Abstract

The current FYP management system of LGU is mainly done manually which results in inefficiency and is time-consuming such as creating too much paper work, communication gap, and lack of transparency. Students may struggle with monitoring their progress and receiving timely feedback, and faculty may struggle to manage multiple projects and maintain consistent communication. Questify FYP portal is an advanced web-based system that facilitates FYP management at one window facility at LGU. It streamlines project proposal submission, supervisor allcation, progress tracking, document upload, and evaluation. Through real-time notifications and a shared calendar for deadlines and meetings, the portal improves collaboration between students and faculty. The project will be developed in Laravel which will guarantee a responsive and scalble solution, minimizing manual paper work. By digitizing FYP workflows the questify fyp portal aims to improve efficiency, save resources, and promote academic excellence.

## Introduction

The rapid technological change had a great impact on education, which led to the development of different tools that improve educational processes. Among these, Final Year Project (FYP) portals have appeared as vital tools for managing complex academic tasks within universities. These portals centralize crucial tasks such as project proposal submission, supervisor allocation, document sharing, and evaluation, saving time and resources while ensuring transparency. As educational institutions try for excellence, the demand for efficient, customizable, and user- friendly FYP, portals has a flow in experience, making them essential components of modern academia. Lahore Garrison University, like many other institutions, recognizes the need for such a solution to optimize its academic processes and provide a better experience for both students and faculty.

While there are many FYP management systems available, they often don't fully meet the specific needs of universities. Popular platforms like Project-Board and FYP Manager have limitations. For example, they can be hard to use for new users, they often lack real-time progress tracking, and they may not have good communication tools. Many of these systems also have rigid workflows that don't fit well with different university policies. These issues can slow down the FYP process and make it harder for students and supervisors to work together. To address these problems, we need a more comprehensive and flexible solution.

The Questify FYP Portal is designed to solve the problems of current FYP management systems at Lahore Garrison University. It offers a user-friendly platform with features like easy proposal submission, supervisor allocation, progress tracking, and secure documents. Students can easily monitor their progress, receive feedback, and stay updated with deadlines. Faculty can review proposals, track student performance, and manage multiple projects efficiently. The portal promotes transparency and

collaboration between students and supervisors to ensure successful project completion.

The Questify FYP Portal is a new and improved way to manage final-year projects (FYPs) at Lahore Garrison University. It's designed to be better than other platforms, with features that fit the specific needs of our university. It can adapt to our university's rules and processes, keeps all project information in one place, and allows students and supervisors to stay connected with instant notifications and a calendar. It simplifies tasks like submitting proposals, tracking progress, and giving feedback. Plus, it promotes transparency by making the progress and evaluation process visible to everyone. By using this portal, we can make the FYP process smoother, more efficient, and more satisfying for everyone involved, which will significantly improve the academic experience at Lahore Garrison University.

## Problem statement

Managing Final Year Projects (FYPs) in educational institutions is often unsuitable due to dependency on manual systems, resulting in excessive paperwork, communication gaps, and lack of transparency. Students face challenges in tracking progress, receiving timely feedback, and understanding evaluation benchmarks, while faculty struggle with managing multiple projects and maintaining consistent communication. Existing solutions don't have user-friendliness, flexibility to specific policies, and crucial features like real-time notifications and integrated tools, leading to wasted time and reduced project quality. The Questify FYP Portal addresses these issues by offering a centralized, creative platform modified to well-organized workflows, increasing teamwork, and ensuring transparency in FYP management at Lahore Garrison University.

## Project scope

The Questify FYP Portal is a new solution designed to manage and streamline the Final Year Project (FYP) management process at Lahore Garrison University. This platform will simplify crucial processes such as project proposal submission, supervisor allocation, progress tracking, document submission, and evaluation, enhancing collaboration and transparency at every project stage.

The proposed solution offers an all-in-one system modified to the university's specific needs, featuring real-time notifications, integrated calendars, supervisor allocation, and transparent evaluation tools. Built using Laravel, it ensures solid performance, security, and scalability. The front end will be responsive and user-friendliness, while the back end will manage complex workflows efficiently.

## Project development methodology

In this methodology, we will be following an Agile model to ensure iterative progress and flexibility in meeting project requirements. In the Questify FYP Portal project, several tools and technologies will be used to ensure efficient development and delivery. The backend will be built using Laravel, chosen for its scalability, flexibility, and robust performance in web applications. The front end will be designed using modern web technologies to provide an easy and responsive user interface, ensuring a seamless experience for both students and faculty. For UI/UX design and prototyping, tools like Figma will be employed to create wireframes and high-fidelity designs. Photoshop will be used for creating custom graphics, such as logos and icons, enhancing the portal's visual appeal.

To model and visualize workflows and system architecture, Mermaid diagrams will be used, providing clear and concise representations of the system's structure and logic. For development, Visual Studio Code will be the primary IDE, offering powerful extensions and tools for coding, debugging, and version control.

## Project milestones and deliverables

| MILESTONE | DELIVERABLE | TIMELINE |
|---|---|---|
| Requirement Analysis | Functional requirements document | Week 1 |
| System design | Architectural Design Document | Week 2 |
| User Authentication | Detection module | Week 3 |
| Database integration | Fully integrated Platform | Week 4 |
| API's integration | Fully integrated API's | Week 5 |
| Testing | Unit testing | Week 6 |
| Deployment | Deployed system | Week 7 |