

**KR MANGALAM UNIVERSITY**

*School of Engineering and Technology(SOET)*

Project Report

Digitalized Bus Pass

Course Code: ENSI152

Subject: Minor Project

**Team Members:**

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**PROJECT REPORT**

**PROBLEM STATEMENT**

The current bus pass application process in our college is manual, causing long queues and crowding due to form verification at the accounts office before submission at the transport office. This leads to delays, errors, and inconvenience. A digitalized system is needed to streamline the process and reduce physical congestion.

**INTRODUCTION**

* + After waiting for 30 mins in long queue outside the accounts as well as transport office to get the stamp and transport form.
  + It would be quite easier to just carry the form in phones get it filled after every semester and get your digital bus pass on your phone after getting approval from the accounts office that too digitally.

**OBJECTIVES**

* Getting Digitalized bus pass.
* Updates over bus merger.
* Designing a feature for bus navigation.

**METHODOLOGY**

Front-end: HTML , CSS

Back-end: Java Script, Python,node.js

Database: MySQL

Designing: Figma, Canva

**KEY FEATURES OF PROJECT**

* + Online Application Form
  + Account Verification Integration
  + Digital Pass Generation
  + Email/SMS Notifications
  + Data Storage and Record Management

**REFERENCES**

* <https://chatgpt.com/>
* [www.google.com](http://www.google.com)

**CONCLUSION:**

This mini project aims to develop a Digitalized Bus Pass System for our college to replace the existing manual process. The current system causes crowding and delays due to physical form submissions and manual verifications. The proposed solution provides a digital platform where students can apply for bus passes online, get fee verification automatically from the accounts department, and receive a digital pass upon approval. This system enhances efficiency, reduces manual workload, and avoids physical queues.

**THANKYOU!!**