



SIMATS ENGINEERING

Saveetha Institute of Medical and Technical Sciences
Chennai- 602105



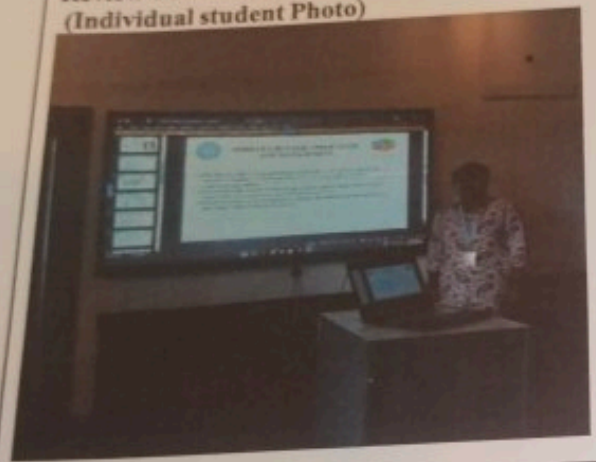
Student Name: **S. VIDDHIY A SHREE**
Course Code: **ITA0203**
Course Name: **Web Technology**
Course Faculty: **Dr. Moorthy . A**

Reg. No.: **1922121188**
Slot: **D**

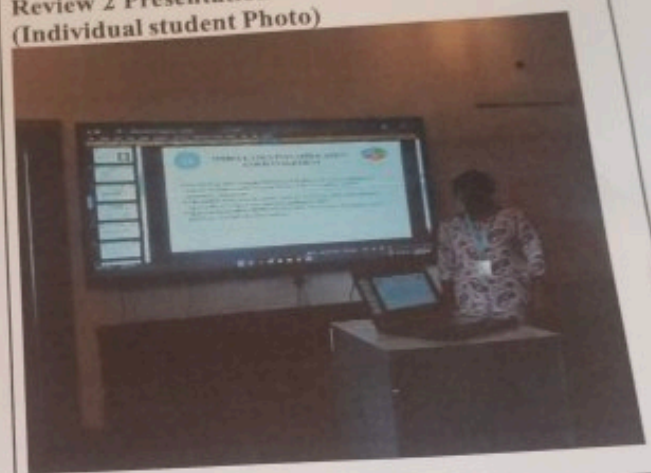
Project Title: ROUTE BUS PASS SYSTEM

Module Photographs: (3 photographs –Module Photo, Individual student contribution module work in the project and presentation image)

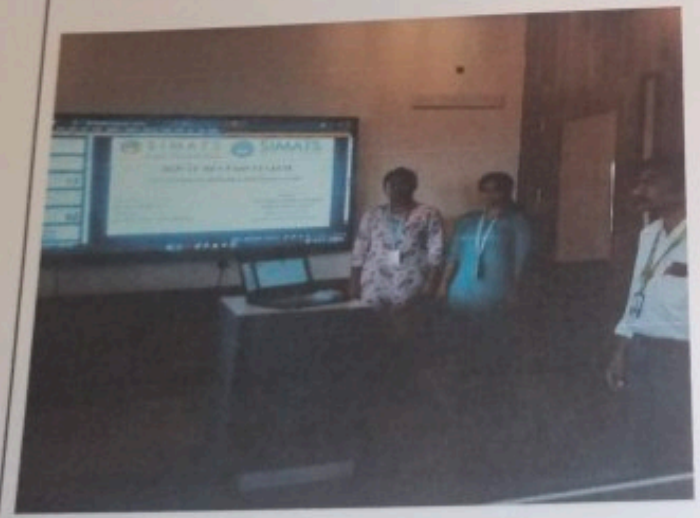
Review 1 Presentation
(Individual student Photo)



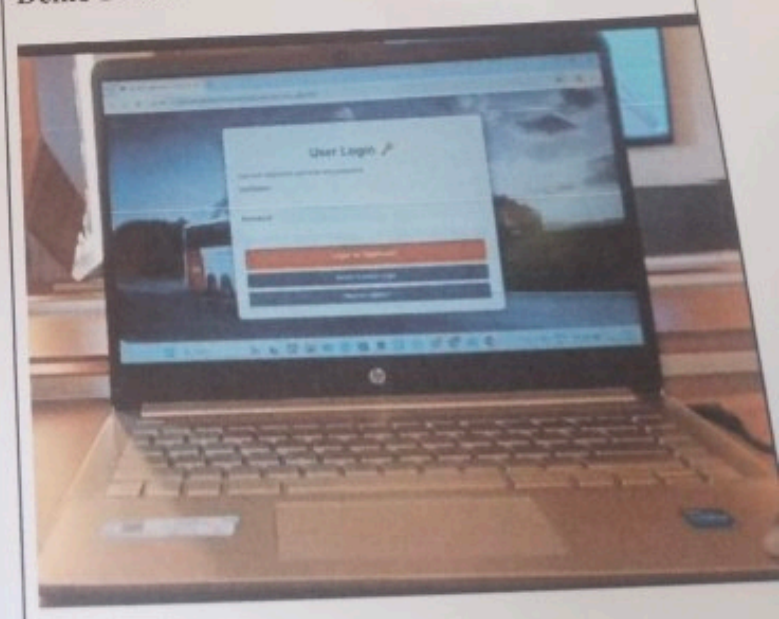
Review 2 Presentation
(Individual student Photo)



PPT Photo with Final Presentation
(Both Presenters)



Demo Photo





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Student Name: S. VIDDHIYASHREE

Reg. No.: 192421188

Course Code: ITA0203

Slot: D

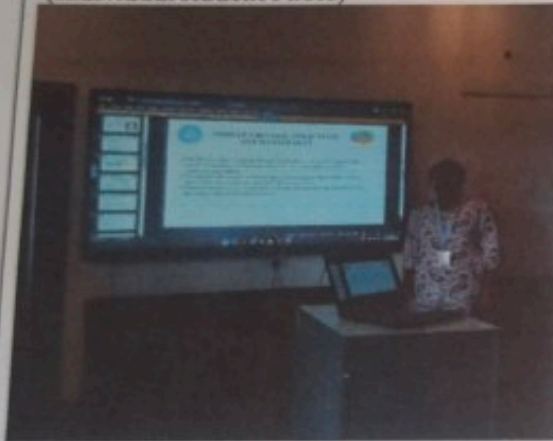
Course Name: Web Technology.

Course Faculty: Dr. A.M. Arul Raj

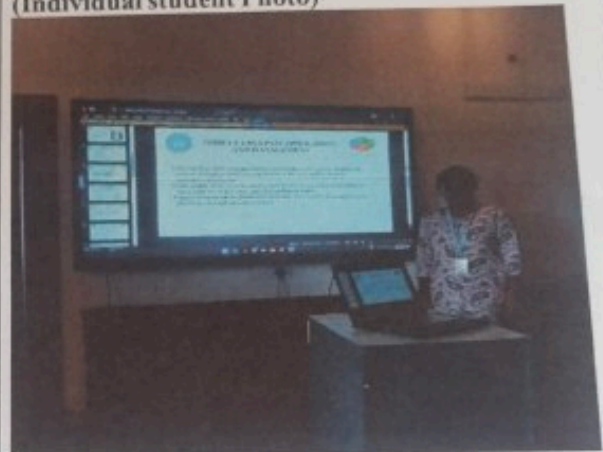
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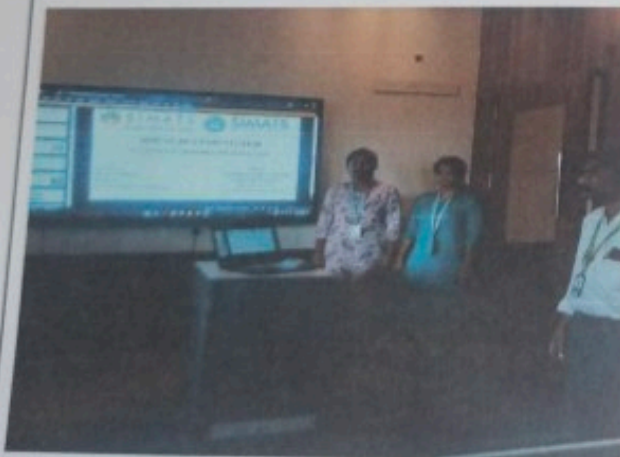
Review 1 Presentation
(Individual student Photo)



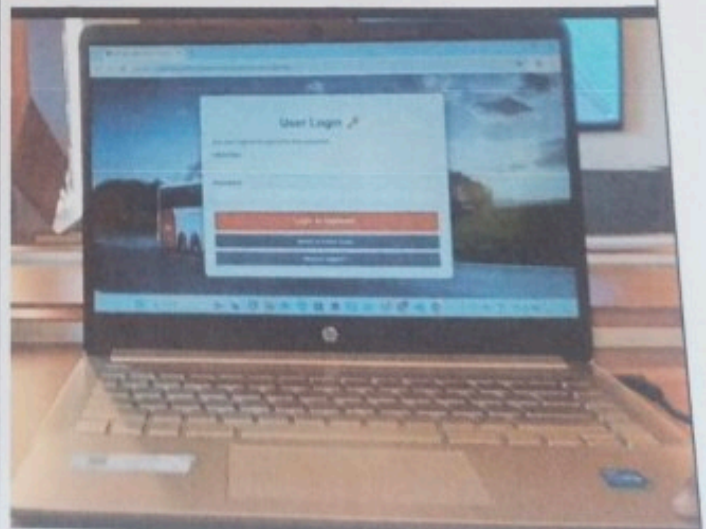
Review 2 Presentation
(Individual student Photo)



PPT Photo with Final Presentation
(Both Presenters)



Demo Photo



Project Description: (here you write what you did in this project (contribution) including Model Description)

Public transportation is a vital means of mobility for millions of people, but traditional bus pass registration methods still rely heavily on manual processes, paperwork, and in-person verification. These outdated approaches often lead to inefficiency, long queues, errors in data handling, and difficulties for both passengers and administrators. To overcome these challenges, the Route Bus Pass System has been designed as a digital alternative.

The project provides an online platform where passengers can register, upload a photo, select bus routes, and generate a digital pass with a unique identification number. The system is divided into two major modules: **Bus Pass Application and Management** and **Bus Pass Approval and Administration**. Additional features include admin approval for verifying user details, a renewal option for extending validity, and database-driven management to securely handle user IDs, route details, validity periods, and approval status.

Public transport systems play a vital role in providing affordable and efficient mobility to the public. However, managing bus passes, verifying passenger eligibility, and ensuring smooth travel remains a challenge in many regions. Traditional pass registration methods often rely on manual paperwork, physical verification, and long queues at counters, which are time-consuming and prone to errors. With the increasing demand for digital solutions, transport authorities are moving towards automated systems that integrate online registration, route selection, pass generation, and digital ID verification. By implementing a digital pass registration and verification system, the process becomes more transparent, user-friendly, and secure. This project aims to create a **Route Bus Pass System** to simplify and digitize the process for both passengers and administrators.

The system is implemented using HTML, CSS, JavaScript, JSP, Servlets, and MySQL, ensuring a responsive interface and reliable backend processing. The expected outcome is a transparent, secure, and scalable solution that enhances passenger convenience, reduces fraud, and streamlines administration. Ultimately, the project supports the vision of digital governance and smart city initiatives.

Keywords: Public Transport, Digital Pass, Route Search, ID Verification, JSP, Servlets, MySQL, Smart City

S. Viddhiyashree

Student Signature

1. A. S. J

2. Anurag 9/10/20

Guide Signature

Thank you for your guidance.

Dr. A. M. Anul Raj,

Thank you so much for being a wonderful teacher and for always guiding me with patience and care. Your lessons were not just about books, but also about how to become a good person, and I have learned so much from you every day. I really appreciate all the time you spent helping me to understand things and pushing me to do better, even when I wanted to give up. I am very grateful for everything you have done for me as my faculty.

With appreciation

S. Viddhiya shree

Thank you for your Guidance.

Dr, Moorthy .A

We Sincerely thank you for your support, encouragement and expert guidance throughout our capstone project. Your insights and feedback greatly helped us in shaping our work and completing it successfully we are deeply grateful for your mentorship and the time you invested in guiding us.

With appreciation.

S. Viddhiya shree.