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SOLADEVANAHALLI, BENGALURU -560107**

**BUS TERMINAL REDEVELOPMENT & COMMERCIAL COMPLEX  
ARCHITECTURE DESIGN PROJECT (THESIS) – 2022-23**

**Submitted in partial fulfillment of the Requirements for the  
“Bachelor of Architecture” Degree Course**

Submitted by : AKSHAY RAMAGOND DODDI  
USN : 1AA19AT005  
Guide : AR. NEHA SAHAY

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“Jnana Sangama”, Machhe, Belgaum – 590018

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## **CERTIFICATE**

This is to certify that this thesis report titled BUS TERMINAL REDEVELOPMENT & COMMERCIAL SPACE by AKSHAY RAMAGOND DODDI of IX SEMESTER B. Arch, USN No 1AA19AT005 has been submitted in partial fulfillment of the requirements for the award of under graduate degree **Bachelor of Architecture (B.Arch)** by Visveshwaraya Technological University VTU, Belgaum during the year 2023- 24.

**Guide: AR. NEHA SAHAY**

**Principal**

**Examined by :**

1)Internal Examiner :

2)External examiner 1 :

3)External examiner 2 :

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## **DECLARATION**

This thesis title “BUS TERMINAL REDEVELOPMENT & COMMERCIAL COMPLEX”, submitted in partial fulfillment of the requirement for the award of the undergraduate of Bachelor of architecture is my original work to the best of my knowledge.

The sources for the various information and the data used have been duly acknowledged.

The work has not been submitted or provided to any other institution/ organization for any diploma/degree or any other purpose.

I take full responsibility for the content in this report and in the event of any conflict or dispute if any, hereby indemnify Acharya’s NRV School of Architecture and Visveshwaraya Technological University, Belagavi and its official representatives against any damages that any raise thereof.

**AKSHAY RAMAGOND DODDI**

**1AA19AT005**

## **ABSTRACT**

The agenda for urban transport includes public transport at the heart of it. Without a strengthened public transport system, it is not possible to make a city function properly and sustainably.

Infrastructure plays a key role in the implementation of an effective, reliable and secure transit system.

The attractiveness of the transit infrastructure, which makes it a viable alternative for private motor vehicles, is ensured when they are designed to enhance passengers' experience.

It is of paramount importance to cities' inhabitants that their common interests are taken into account in all planning.

The redevelopment plan incorporates smart technologies for real-time tracking of buses, optimized traffic flow within the terminal, and eco-friendly features such as solar panels and rainwater harvesting.

Collaborations with local businesses and community input are integral to fostering a vibrant and inclusive urban environment around the redeveloped bus terminal.

The project envisions a transit hub that not only meets functional needs but also contributes positively to the overall urban landscape.

The design includes provisions for accessibility, ensuring that the redeveloped bus terminal is inclusive and user-friendly for people with diverse mobility needs.

A focus on mixed-use spaces within the terminal aims to create a dynamic environment, featuring retail spaces, dining options, and cultural amenities.

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# **INTRODUCTION**

## **AIM**

To redevelop the present Bijapur bus terminal  
To modernize and improve the functionality, safety, and efficiency of bus terminal.

## **OBJECTIVE**

Ensure that the bus terminal is fully functional and efficient.  
Making the journey more pleasant for passengers.  
Raise the level of safety and security.  
Promote intermodal connectivity.

## **SCOPE**

The layout and design of the bus terminal are crucial for ensuring smooth operations and passenger flow.  
The layout may be reconfigured to optimize space utilization and improve accessibility for passengers and vehicles.  
Include structural upgrades to the terminal building and other structures such as parking lots, ticket counters, and restrooms.  
This may involve repairs, maintenance, and replacement of damaged or outdated facilities.  
Include measures such as improved lighting, surveillance systems, and emergency response plans to ensure the safety of passengers, staff, and vehicles.  
Incorporate sustainable design and construction practices to reduce the environmental impact of the terminal.

## **JUSTIFICATION**

The present Bijapur bus terminal you can find a variety of buses operating from the Bijapur Bus Stand, ranging from basic local buses to luxury coaches.

To provide a more accurate and proper access to the buses into the bus terminal.  
Providing designated spaces for pedestrians to walk and providing proper access and path to disabled citizens. Comfortable Seating spaces and clean restrooms.  
This redevelopment is required because Bijapur is a city which has a connectivity to major cities where people travel to those cities regularly.  
Example: Solapur, Sindagi.