

# DESIGN OF A BUS TERMINAL AT NILAI

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## ABSTRACT

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On behalf of the project title, DESIGN OF A BUS TERMINAL AT NILAI, the targeted objective of the project is to produce a bus terminal. My title requires me to do an individual design work from scratch. The project will take 13 weeks to complete, which is a whole semester.

This bus terminal is located beside of the KTM station Nilai, which is shown in the illustrations part, figure 1. I will design the double story bus terminal. Ground floor will be the parking place for bus and 1<sup>st</sup> floor will be used for the office, ticket counter, rest room, toilet, post office and a few shops. The terminal consists of reinforced concrete and steel design. This means that I will adhere to all the conditions as stated by BS 8110 and BS 5950 that are our British codes of practice for R.C. and steel design.

This report would guide you through the structural design process with the most detail explanation of the procedures and the method adopted towards the achievement of a good design for this project.

Car ramps that are designed for the passage of vehicles are constructed in this design. Transverse grooves formed on the surface of the ramps to increase slip-resistance giving a good hold for car tyres.