

## **4 STOREY CAR-PARKS**

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### **ABSTRACT**

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A multi-level car park is a building to be used as a place for parking vehicles where the building is to be built with numbers of levels where the parking take place. This type of parking is usually used where there is a limitation of area to build parking lots enough for people's demand on the surface of the ground.

This report consist levels of designing a 4 story reinforced concrete car park within the INTI international university. The aim of this project is to design a car park in such a way that it is safe and economical. Steps of designing this car park are include the designing the slabs, beams, columns, foundation stairs and ramp based on British standard code of practice. Standards used in this project are; BS8110 code of practice for concrete structure and BS 6399 part one code of practice for dead and imposed loads.

The methods that used in this project to design the car park are based on what has been studied n diploma level of civil engineering.