

AUTOMATIC UNDERGROUND CAR PARK

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ABSTRACT

Automatic underground car park is considered a new technology in modern days so it is a complicated process and considered as high technology. This report deals with the benefits of the system and developing the prototype of the car park system under the control of a computer program.

The objective of the project is to provide safety of the car and to provide convenience for the driver as they do not need to spend so much time to search for a car park. The deposit and retrieval of the car from the underground car park takes less than a few minutes. This car park takes less space to park more cars.

The prototype should be able to transfer the car from the platform to underground by the lift and the conveyor will move the car to an empty slot which is indicated and control by the control system (computer programs).

Even though the computer programs plays an important role in controlling the process of the car park system, this project still emphasizes more on the construction as a complicated mechanical system and infrastructure is needed to perform the task of the automatic underground car park system.

Tests are conducted throughout the progress for the purpose of solving the problems faced as well as studying the background theories of the project.

As the most important part of the project report; conclusion for this project, further development, time management, cost analysis and the project's advantage are noted at the final conclusion section of the report.