

# THE DESIGN OF A DISTRICT HOSPITAL

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## ABSTRACT

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In this project, suitable planning of the structure, drainage system, road network, parking area, ingress and egress etc will be taken into consideration to ensure my project will be able to function properly in realistic. My project will be located at 23, Jalan Ooi Kar Seng Nibong Tebal, Penang. My district hospital will be constructed in a 100m x 100m; 10000m<sup>2</sup> where there is no existing convenient medical services in that area. The main purpose of my project is to provide immediate treatment to the residents in Nibong Tebal when it is needed.

In this project, slab, beams, columns and footing will be designed for each of them is playing an essential role in supporting the structure. The ways and methods of designing will be shown in this report. The super and substructure will be designed in reinforced concrete due to the advantages is far more beneficial than steel. All in all, this report shows the measures of designing a regular functioning structure by using British Standard Code and basic engineering knowledge.