

Diploma in Built Environment
FBE03: Building Construction & Science
Assignment Brief
Individual Project

Introduction

The construction of the building structures is fundamental but yet crucial to the sustainability of a building. It is hence important for a building student to develop an in depth understanding and knowledge on the principles and techniques of constructing these building structures. i.e. foundation, floors and roof with integrated insulation and ventilation design. These principles and techniques must be appreciated to show that students have acquired sufficient knowledge in coordinating design and construction to be engaged in a supervisory position at the later stage.

Aim

It is the aims of the assignment to ensure students are able to demonstrate the techniques of construction of various foundation, floors, and roof and to provide and experience for the students to appreciate the construction of all these building elements and the importance of its effective coordination in a building.

Objectives

The assignments are designed in such a way that students should be able to present plan and cut section of a building and details for one of the various types of the following building structure and design for double storey bungalow house:

- Foundation;
- Floors;
- Roof;
- Insulation; and
- Ventilation

Task

This assignment is individual project. Students are required to carry out literature search and prepare a report to describe various types of foundation, floor and roof with included insulation and ventilation design.

Submission

The submission of the project consists of :

1. Report
2. Simple sketch for layout plan and section drawings

Assignment (PDF and Microsoft office format) needs to be submitted electronically to email: **kstee8917@gmail.com** by **23:59 PM on 29th Jun 2018**. Late submission is not allowed.

Marking criteria:

1. Report 70%
2. Sketch for layout plan and section drawings 20%
3. Overall report presentation 10%