

CHAPTER 3

METHODOLOGY

3.1 INTRODUCTION

In order to make sure the project successful, the planning and scheduling are arranged as follows:-

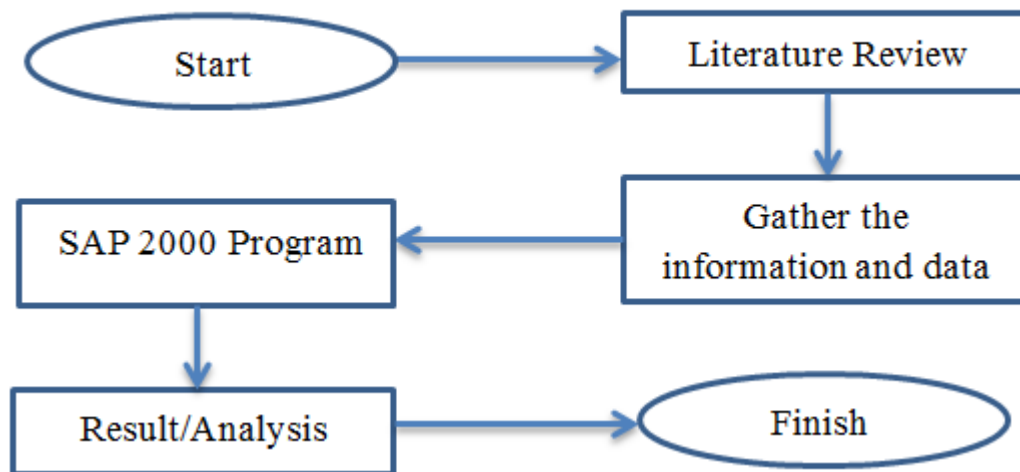


Figure 3.1: Flow chart of planning and scheduling

3.2 LITERATURE REVIEW

During this phase, all the information, data, studies and facts that related to the project are been collected. The data collecting process is focused on the major topics of this project such as follows:-

1. Earthquake
2. Seismic Wave
3. Measuring Earthquake
4. Earthquake Magnitude
5. Offshore Platform
6. SAP 2000 Program

3.3 GATHER THE INFORMATION AND DATA

During this stage, as to make sure the projects is going smoothly, the further information and data for the modelling and analysis work need to be carried out. The information and data that required are as follows:-

1. Location of the case study of the offshore platform.

2. Drawing of the offshore platform.
3. Background of the offshore platform.
4. Type of the offshore platform and their legs.
5. Material used for the structure of the offshore platform.
6. Limitation of the offshore platform.

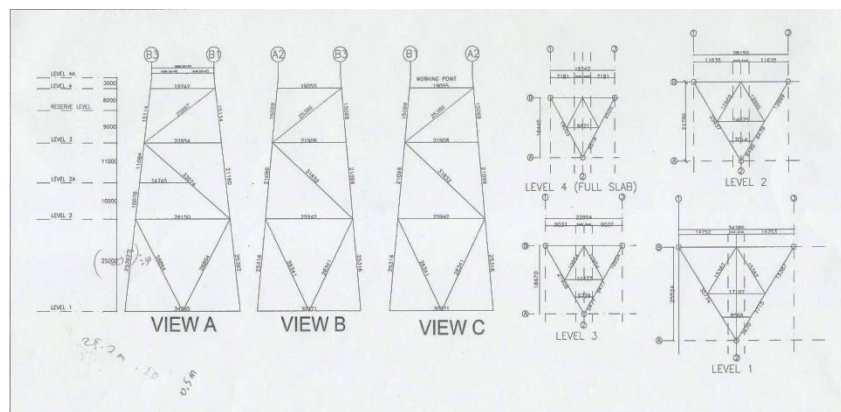


Figure 3.2: A Typical 3-legged Jacket of Fixed Offshore Platform