**CHAPTER 3: Software Analysis and Design**

1. Introduction

2. Feasibility Study

i. Technical

ii. Operation

iii. Economic

a. Cost Benefit Analysis

b. Return On Investment

iv. Schedule/Legal

3. Data Analysis

i. Interviews

ii. Questionnaires

iii. Observations

* Functional and Non Functional Requirements
* Use Case Diagrams
* Activity Diagrams
* Sequence Diagram
* Class Diagram
* E.R Diagram
  + Reduction(Reducing E.R Diagrams into tables)
  + Normalization(upto 3NF)

4. UI Design(Figma/MS Word Shapes)