# CHAPTER 4: DESIGN

## Introduction

## Proposed Solution

## Solution Architecture

## Constraints

## Security Design

## Systems Design Models

### UML-Activity Diagram

### UML-Class Diagram

### UML-Sequence Diagram

### UML-Deployment Diagram

## Database Modelling

### E-R Diagram

### Data Dictionary

### Relational Schema

#### **1st Normal Form**

#### **2nd Normal Form**

#### **3rd Normal Form(optional)**

## Algorithm Design

## Interface Design

## Conclusion