

**WQD7011 NUMERICAL OPTIMIZATION**

**GROUP ASSIGNMENT**

**FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

**SESSION 2022/2023 SEMESTER 2**

**LECTURER: DR. LIM CHEE KAU**

**TEAM STEP-WISERS**

**TITLE: XXX**

|  |  |  |
| --- | --- | --- |
| **NO** | **NAME** | **ID** |
| **1** | **KRISTIAN SURYA DINATA** | **S2043845** |
| **2** | **CHAN JIE MIN** | **S2141167** |
| **3** | **TEY YI JIE** | **17081752** |
| **4** | **ANI YEAP** | **17218658** |

**TABLE OF CONTENTS**

[CHAPTER 1: INTRODUCTION 3](#_Toc135945571)

[1.1. Project Background 3](#_Toc135945572)

[1.2. Problem Statement 3](#_Toc135945573)

[1.3. Objectives 3](#_Toc135945574)

[CHAPTER 2: SOURCE OF DATA 4](#_Toc135945575)

[2.1. Metadata 4](#_Toc135945576)

[CHAPTER 3: FORMULATION 5](#_Toc135945577)

[3.1. Parameters 5](#_Toc135945578)

[3.2. Decision Variables 5](#_Toc135945579)

[CHAPTER 4: GENETIC ALGORITHM 6](#_Toc135945580)

[CHAPTER 5: NUMERICAL EXPERIMENTS 6](#_Toc135945581)

[CHAPTER 6: CONCLUSION 6](#_Toc135945582)

[CHAPTER 7: APPENDIX 6](#_Toc135945583)

## CHAPTER 1: INTRODUCTION

### Project Background

### Problem Statement

### Objectives

## CHAPTER 2: SOURCE OF DATA

### Metadata

## CHAPTER 3: FORMULATION

### Parameters

### Decision Variables

## CHAPTER 4: GENETIC ALGORITHM

## CHAPTER 5: NUMERICAL EXPERIMENTS

## CHAPTER 6: CONCLUSION

## CHAPTER 7: APPENDIX