ICS 2210: Data Structures & Algorithms 2

**STATE-SPACE**

**SEARCH ALGORITHMS**

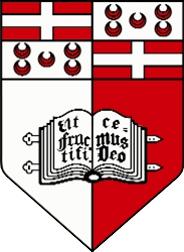
**REPORT**

**Avinash Chatlani**

**ID Card No: 421596M**

**B.Sc (Hons) in Computing Science**

Lecturers: Mr Kristian Guillaumier & Dr John Abela

****

**Faculty of ICT**

**University of Malta**

May 2017

***Table of Contents***

Task 1: Tic-Tac-Toe……………………………………………………..……………Page 3

* 1.1 Introduction………………………………………………………………Page 3
* 1.2 UML Diagram……….……………………………………….…Page 3 and 6
* 1.3 Description .………………………………………………………………Page 3
* 1.4 Testing…………………………………………………………….………..Page 4
* 1.5 Critical Evaluations and Limitations……………….………….Page 5
* 1.6 Answers to Particular Questions…………………………..…..Page 5

Task 2: MonOOPoly………………………………………………….……………..Page 7

* 2.1 Introduction………………………………………………………………Page 7
* 2.2 UML Diagram…………………………………………………Page 7 and 15
* 2.3 Description………………………………………………………..………Page 7
* 2.4 Testing…………………………………………………………….………Page 10
* 2.5 Critical Evaluations and Limitations………….………..……Page 13

Task 3: Suffix Trie and Tree………………………….………………………..Page 16

* 3.1 Introduction……………………………………………….……………Page 16
* 3.2 UML Diagram……………………………………………….….………Page 16
* 3.3 Description……………………………………………..………………Page 17
* 3.4 Testing……………………………………………………………………Page 18
* 3.5 Critical Evaluations and Limitations…………..……………Page 19
* 3.6 Answers to Particular Questions……………….……………Page 19

References…………………………………………………………………………….Page 19

***Task 1: Tic-Tac-Toe***

* 1. **Introduction**