** MARKS SHEET**

#### Fundamentals of Computer Architecture

**Assignment 2 – x86 Assembler, Encryption Program**

**Please complete this mark sheet with your details in the box below. Keep this sheet safe and include it with your work at each milestone.**

**Name**: **Tutorial Group**:

**Student ID number**: **EKey Encrypt#**

# Marking Scheme 2018

**Note**: Feedback from each milestone may be given verbally, overleaf on this sheet, and/or on your submitted program listings. You can submit work for each Milestone at any time up to the given deadline for that Milestone.

**Milestone 1 - due week commencing 12th March in your practical session**

(20 marks available)

**1a.** Understand & comment the **Encryption** code /10%

**1b.** Implement the **stdcall/cdecl** subroutine call convention /10%

**Milestone 2 - due week commencing 9th April in your practical session**

(40 marks available)

**2.** Implement the **Decryption** routine /40%

(Marks include an element for good comments.)

**Milestone 3 – due midnight, Thursday, 26th April, via Blackboard**

(40 marks available)

**3a)** Converting **encrypt\_chars** to Assembly /30%

**3b)** **Upper case** conversion /5%

**3c)** Produce a **well presented** program /5%

## OVERALL TOTAL /100%

*(This assignment contributes 40% towards the total assessment mark for this module.)*

For routes: M.Comp/B.Sc. **GSD**, M.Comp/B.Sc. **SE**, M.Comp/B.Sc. **CS** - Year 1, (Level 4)

**This assignment was issued on Feb 22nd 2018 and the final deadline is 23:59pm on Thursday, *26th* April, 2018.**

Normal University regulations apply in cases of late or non submission.

**FEEDBACK (in addition to comments on program listings and verbal feedback)**

**Milestone 1**

1a. Understand & comment the **Encryption** and calling code

1b. Implement the **stdcall/cdecl** subroutine call convention

**Milestone 2**

2. Implement the **Decryption** routine

Adrian Oram (module leader) / Mark Marshall / Mike Meredith