Application and Implications

The aim of the project is to provide opportunity for the candidate to demonstrate proficiency in the use of Information Technology tools to solve real-life problems and have an appreciation for the factors that mitigate against and manage risk associated with Information Technology.

Requirements

Each candidate is expected to implement an Information Technology based solution, which should include either a database or a website, to an identified problem in their environment and present that solution using appropriate productivity tools and/or web pages. The project should also include a report of approximately 500-700 words which outlines the problem and addresses any implications which may arise from the implementation of the solution.
REPORT:

Problem definition (1 mark)
• Complete description of the problem, including description of the background in which the problem occurs 1 mark

Analysis of the problem (2 marks)
• Thorough analysis of facts to identify the causes of the problem 2 marks
• Partial analysis of facts to identify a cause of the problem 1 mark

Identification and justification of IT tools used in the solution (2 marks)
• Identification and justification of all appropriate tools 2 marks
• Identification and justification of some of the appropriate tools 1 mark

Assessment of the implications of the solution (3 marks)
• Discussion of various issues that may impact the individual or entity 1 mark
• Discussion of strategies to address the issues
  - Discussion of ALL strategies to address issues 2 marks
  - Discussion of SOME strategies to address issues 1 mark

SOLUTION:

Implementation of the IT based solution (12 marks)
• Appropriate use of IT tools (1 mark)
  - Appropriate use of ALL tools 1 mark
• Human Computer Interface (2 marks)
  - Logical and user friendly navigation with appropriate labelling 2 marks
  - Limited navigation available with appropriate labelling 1 mark
• Appropriate use of features of tools (2 marks)
  - Selection and appropriateness of ALL relevant features 2 marks
  - Selection and appropriateness of SOME relevant features 1 mark
• EITHER Working Solution (Database) (7 marks)
  - Working solution based on a minimum of THREE entities 1 mark
  - Solution includes MOST of the relevant tables 1 mark
  - Evidence of appropriate relationships and integrity checks 1 mark
  - Security features included 1 mark
  - MOST features work (Award 1 mark for SOME features work) 2 marks
  - Solution implemented does solve the problem 1 mark
• OR Working Solution (Web Site, (minimum of THREE pages) (7 marks)
  - Home page (2 marks)
    - Possesses MOST standard features (Logo or banner, Title, Navigation links) 2 marks
    - Possesses SOME standard features 1 mark
  - Navigational Features (2 marks)
    - MOST features /Links working 2 marks
    - SOME features/Links working 1 mark
  - Design and layout (3 marks)
    - Appropriate use of font sizes and style 1 mark
    - Appropriate use of colours 1 mark
    - Appropriate use of spacing (readability) 1 mark