220 CT Coursework 2016/2017 - Marking

Q1

Achieve (40%)	Achieve (70%)
• Evidence of partially correct applicable and correctly identified database. • Evidence of reasoning behind database choice. • For each activity a brief explanation of design decisions should be provided. • Models providing detail about the design decisions and database design provided.	• A complete and correct design, including all elements. • A complete explanation of the reasons behind the choice of Database. • A complete and functioning implemented DB. • For each step an explanation and justification of how and why it was applied. • Evidence of functioning queries.

Q2

Achieve 10 Marks (40%)	Achieve Over 17.5 Marks (70%)
• The poster contains an introduction and a restricted set of objectives. • The poster contains consideration of some of required ethics factors that need to be considered. • An attempt made to produce recommendations related to the collection and use of big data. • An attempt is made to draw conclusions. • Some research from academic resources to support the findings on the poster. • Effort is made to reference the poster. • The poster is fairly clear and stays within A3 size requirement.	• The poster has a well set out introduction and a clearly thought out set of objectives. • The poster contains consideration of most of the required ethical factors. • Clear and well thought out recommendations related to the collection and use of big data. • Excellent amount of research from academic resources to support the findings of the poster. • The poster is referenced clearly. • The poster is clear and easy to follow and stays within the A3 size requirement.

Q3

Achieve 10 Marks (40%)	Achieve Over 17.5 Marks (70%)
• Basic definition of what data mining is with a few references. • Identification of an appropriate data mining application for a hospital. • Describing of the data mining life cycle but fails to apply it clearly to the identified hospital application. • Some exploration of the attributes in the diabetes.arff file to consider their suitability for use to determine if a person has diabetes. • Following an appropriate approach to train and test one intelligent technique to determine if people have diabetes. There is little analysis of the confusion matrix and consideration if the technique could be used in the real-world. • Report is overly long or short and not aimed at the target audience.	• Excellent definition of what data mining is with a diverse set of references including ones from peer reviewed papers. • Identification of an appropriate data mining application for a hospital. Supporting evidence on why you think that this application area would benefit from data mining. • Describing of the data mining life cycle with clear reference to the selected hospital application. • Exploration of the attributes in the diabetes.arff file to consider their suitability for use to determine if a person has diabetes. Should give supporting evidence for decisions made. • Following an appropriate approach to train and test one or two intelligent techniques to determine if person has diabetes. You might consider what happens if you reduce the number of attributes based on Question 3(iii). Clear examination of the confusion matrices created and consideration if any of the intelligent techniques explored could be used for the diabetes application in the real-world. • Report is concise and suitable for the target audience.

Q4

Achieve12 Marks (40%)	Achieve Over 21 Marks (70%)
• Basic description of your idea. • Basic understand of the type of data that is required and available. • Basic understanding of the limitation faced and benefits of the data at hand. • Identify of a set of appropriate approaches to analysis data. • Understanding of the requirements of data analysis. • A basic attempt at the planning activities and analysis. • Basic set of results. • Some background on the matter, referenced correctly.	• A clear description of your idea, the reasons behind picking it and what data is required. • A clear aim and set of objectives. • A clear background, referenced correctly. • An explanation of how the data was acquired. • A clear explanation of what you're looking for in the data you acquired. • A clear analysis of the data at hand. • A clear presentation of the results. • Visualisation of the data to support the results. • Future work.