Capstone Project Evaluation

Use this form to evaluate the student on the quality, clarity and completeness of the definition, design and delivery of the project.

Aspect	Score	Notes
Define (20%)		
Business context, stakeholders and value • Overall understanding of the business domain • Explanation of the business context • Formulation of the business question • Understanding and engagement of stakeholders • Estimation of the business value	/10	
Data description, sources, quality • Translation of the business question into a data question • Defining what data is needed to answer the business question • Understand how to source the data • Understanding of how the data was generated • Understanding of the quality of data and its limitations • Understanding of how the data can be sourced in the future	/10	
Design (30%)		
Data exploration, analysis and visualisation • Data exploration showing the key entities and their business significance • Using effective visualisation to communicate key aspects of the data	/10	
Documentation: text document, presentation and Notebooks • Using the appropriate level of details to document the problem, stakeholders and solution • Organisation and structure of documentation and code	/10	
The project planning, effort allocation and next steps • Understanding of the effort used to perform the design work and remaining effort to complete the project • Defining the next steps to bring the project to production	/10	

Delivery (50%)		
Feature Engineering • Using business domain knowledge to select appropriate features • Using appropriate encoding for each feature	/10	
Creation of an effective reproducible pipeline • Creation of a reproducible pipeline to ingest and prepare data and to train and evaluate the Machine Learning model • Separation of the modelling pipeline from code for exploring and analysing the data	/10	
Machine Learning model algorithms and accuracy • Selection of the appropriate Machine Learning algorithm • Evaluation of the model performance • Applying multiple algorithms and comparing results • Using appropriate metrics to express model performance	/10	
Overall end-to-end solution • Showing the overall end-to-end solution (UI, model, data, infrastructure). • State tools, libraries and frameworks used in the development of the model and planned for the delivery of the solution. • Appreciation of the effort and skills required to implement the whole solution	/10	
Delivery of the presentation, poise and audience engagement • Ability to deliver a clear, concise and engaging presentation • Ability to listen effectively and address questions • Overall poise, confidence and rapport with the audience • Keeping the time	/10	
Total and overall notes	/100	