**Capstone Project**

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| **Project Notes 1 - Description and Grading** |

The first set of project notes must describe the data and align it to the problems the Capstone Project addresses. It should also include the rationale of the project - why is the problem important and how would the proposed solution help. It should be simple and straightforward depicting the objective of the project, description of data and the initial EDA report.

Below are a few guidelines:

1. **Introduction**:
   1. Define the problem statement, need of the present study and business/social opportunity
2. **Data Report**
   1. Understanding how data was collected in terms of time, frequency and methodology. Visual inspection of data.
   2. Explore the given data files, classes and images of the different classes.
   3. Understanding of attributes (variable info, renaming if required)
3. **Initial Exploratory Data Analysis**
   1. Explore the DICOM data
   2. Visualization of different classes, dealing with the issues of data quality, treating missing or duplicate values, if any.
   3. Present the analysis from the visualization of the different classes.

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| **Parameters** | **Points** |
| 1) Introduction | 2 |
| a) Defining problem statement |  |
| b) Need of the study/project |  |
| c) Understanding business/social opportunity |  |
| 2)Data Report | 4 |
| a) Understanding how data was collected in terms of time, frequency and methodology |  |
| b) Visual inspection of data (rows, columns, descriptive details) |  |
| c) Understanding of attributes (variable info, renaming if required) |  |
| 3) Initial Exploratory data analysis | 4 |
| a) Explore the DICOM files, Visualization of different classes, dealing with the issues of data quality, treating missing or duplicate values, if any. |  |
| b) Present the analysis from the visualization of the different classes. |  |
| **Total** | **10** |