**CSE523: Machine Learning**

**Project Progress Report**

**Breast Cancer Detection**

**Group:  The Curators**

| **Name** | **Roll number** |
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1. **Tasks Performed in the week.**
   * Analysing the data and understanding the parameters.
   * Explored the dataset
   * Plotting graphs related to diagnosis
2. **Outcomes of the tasks performed.**
   * Some key labels
     1. Radius of cell (mean of distances from center to points on the perimeter)
     2. texture (standard deviation of gray-scale values)
     3. perimeter
     4. area
     5. smoothness (local variation in radius lengths)
     6. concavity (severity of concave portions of the contour)
     7. fractal dimension ("coastline approximation" - 1)
   * The data set is a tabular data and is a pre-processed data of each image of breast cancer cells.
   * Cleaned the data needed
   * [Google Collab link](https://colab.research.google.com/drive/12XEtj5SYwWTyFbtKGeiI4bBoaPnCyNAe#scrollTo=Nsr_9kRH68LQ)
3. **Tasks to be performed in the upcoming week.**

* Continuing with data analysis
* Selecting the machine learning algorithm