

**School of Engineering and Applied Science**

**BTech ICT Semester VI**

**CSE523 Machine Learning**

**Project Progress Report**

**Week 6**

* **Team:** Binary Beasts
* **Team members:**

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1. **Tasks performed this week:**

* As per the review received during the mid semester project presentation, we performed EDA on our dataset.
* We have applied Chi Square test on our dataset and have selected top 5 features to move forward with.
* We decided that we will move forward with the linear regression model for our dataset and started building the linear regression model from scratch.

1. **Outcomes of the tasks performed:**

* The elimination of unimportant features will now help the model to have more generalisation capacity and will increase the overall accuracy.
* The 5 selected features are: 1. Area 2. No of Bedrooms 3. Landscaped Gardens 4. Indoor Games 5. Gas Connection

1. **Tasks to be performed in the upcoming week:**

* In the upcoming week, we will try to complete the linear regression model from scratch and analyse the accuracy results.