# Data Analytics Assignment (FDA) – Part II

**Instructions: Weightage: 60 marks Time: 48hrs**

* This is the second part of the assignment to evaluate your skills.
* Please download the dataset named ***“House\_Rent\_Dataset.csv”*** from the google drive.
* Load the dataset into your python script.
* Perform the required cleaning and transformation to the dataset and prepare for modelling. **[10]**
* Apply any regression algorithm to predict the house rent from the independent feature variables. **[10]**
* Prepare an analysis report based on your script that includes your analysis and model performances. **[20]**
* The analysis report can be in the form of documented report with all your analysis or it can be in the form of PowerPoint slides.

**Case:**

You are working as an analyst at Real Estate Consulting firm at New Delhi. A married couples approaches your consulting agency. They needs your consultation for renting a flat due to recent job transfer of the husband from Mumbai. You presented them with the options you have; based on the available dataset. Client chose their favourable options and wants to know the approximate expenses for the rent.

The option chosen by the clients are:

* + They are looking for fully furnished flat of area around 850 sq. foot.
  + They are family of 4 members, husband/wife and 2 kids.
  + They want an extra room and bathroom for the guests as well.

Based on the above requirements, what is your recommendation about the rent for their new home? **[20]**

**Note:**

* You need to upload a folder with your full name.
* Your folder must contain 2 files:
  + Python script of analysis. You must upload your python script file in the given format:  
     yourname\_fda.ipynb
  + Analysis report that includes the case study results.