**CS 459 – Introduction to Machine learning**

**Assignment No. 01**

**Due on 3rd April 2023**

* Choose an area/sector (different for each student) from Islamabad.
* Collect data from [zameen.com](https://www.zameen.com/) or any other website.
* The data must have at least:
  + *3* features
  + *100* training examples
  + *20* testing examples
* Apply *Multivariate* and *Polynomial Regression.*
* Analyze the results:
  + With or without feature scaling
  + With large and small values of alpha (learning rate).
* Solve the problem using *Normal Equation*.
* Apply your models on test data and compute accuracy.
* Write down report with detailed analysis.