



**National Vocational & Technical Training Commission**  
Institute of Electrical, Electronics and Computer Engineering  
University of the Punjab



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**Artificial Intelligence C1 & C2**  
**Assignment 01 : 15/06/2023**  
**Module 1 : week 4**

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*Submission Requirements: Please upload your codes in PDF File on Google Classroom in the relevant Assignment section.*

*Note: Plagiarism is a serious violation. Zero marks will be awarded in case plagiarism is found.*

***Note: For all tasks you need to load data from given excel file.***

**Task1:**

Read given cat\_dog.csv file into dataframe. Display different scatterplots between all features.

- Each column visualization
- Draw box plot
- Draw Line Graph
- Draw Bar Graph
- Draw Histogram
- Make Pie chart
- Draw Heat map
- Write a complete report on this dataset

**Task2:6**

Make pandas profiling

Convert each column into row and perform visualization

Perform visualization on numerical data and categorical data separately