



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



Artificial Intelligence C1 & C2
Assignment 01 : 02/06/2023
Module 1 : week 2

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.

Task 1:

Make a mini-calculator using functions. All the functions should be accessed from module. Your program should ask inputs and option from user.

Task 2:

Write a function which can apply this function in all elements of list. $Y = x \frac{\sqrt{x} - 4 * x}{x}$ using list comprehension.

Task 3:

Apply all arithmetic functions on Numpy array and discuss output.

Task 4:

Make a Numpy array by using all possible ways.

Task 5:

Perform basic indexing and slicing on multi-dimension array.