**Machine Learning: Assignment 5**

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# Submitted to:

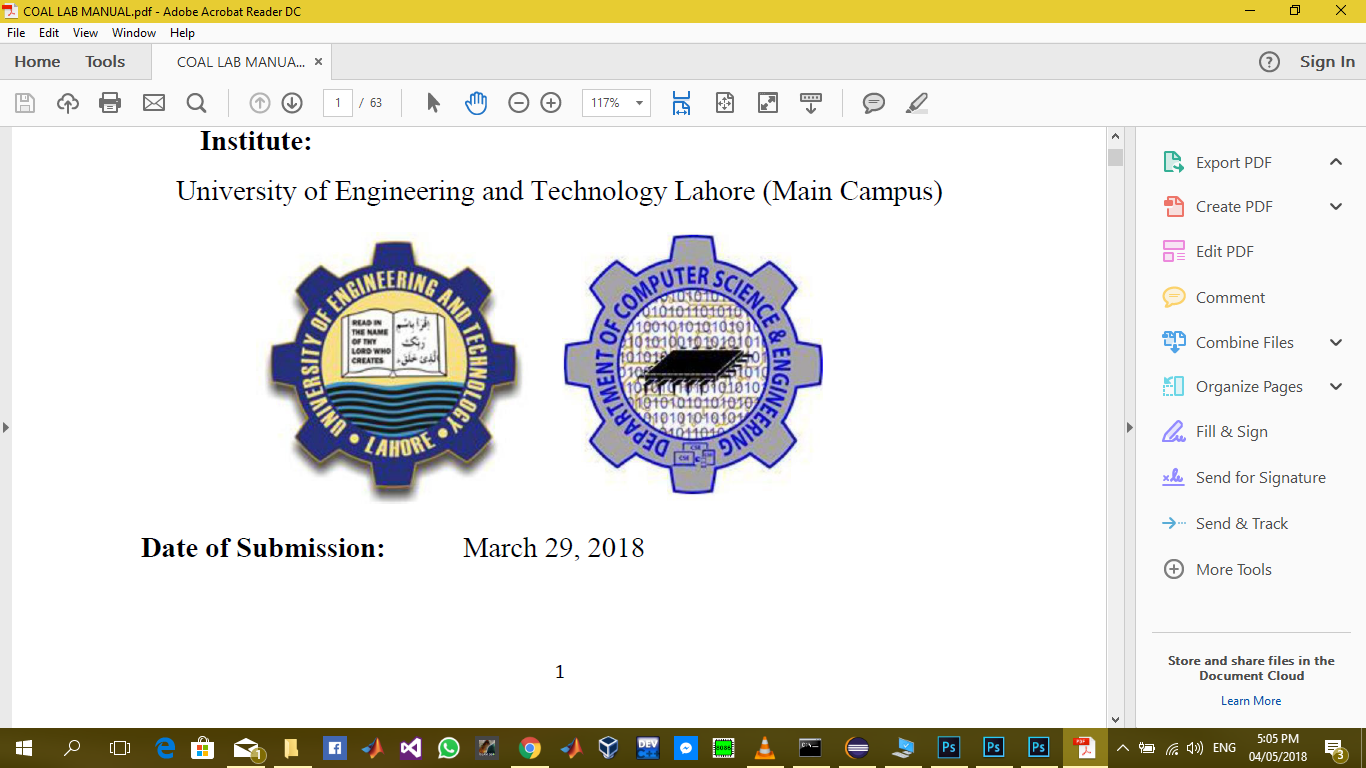
Dr. Awais Hassan

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# Submitted by:

Komal Shehzadi (2020-MSCS-590)





**Description:**

The program in drawGradiant.py takes a function as user input and finds its gradient vector on a given point then draws function-using matplotlib and highlights gradient vector and gradient vector doubled point, green and blue respectively. Which shows in which way the function can find its peak or closest maxima.

**Sample Output:**

For x^2 + y^2 function:

