Machine Learning H/W Assignment

Choose an application area of your choice that requires data analysis with prediction. Create a report in MS Word and a presentation in MS PPT that covers the following

I. Clearly state the input and output attributes.
II. Either use ready dataset or generate the required data using programmed simulation or otherwise.
III. Mention at-least 3 possible candidate algorithms that can be used for the predictive analysis, and your choice of algorithm with required justification
IV. Identify library/APIs which can be used for implementation of your chosen method
V. For CS-students : Write code for a program that implements the algorithm chosen and classifies the given data.
VI. For Non-CS students : Showcase the hand-execution of algorithm for around 10 training examples. Make relevant assumptions as required.
VII. Clearly describe the performance measure that you will use for accuracy. Also state advantages and disadvantages of the algorithm chosen.

- The assignment can be done either individually or in groups of 2 students.
- Send you report/presentation/code/illustration in a single email to machine.learning.vnit@gmail.com
- Clearly mention subject as "ML-Assignment-Your-enrolment numbers". Mention your names with enrolment numbers clearly in the body of email, as well.
- Submit the assignment by 11:59 pm on Wednesday, 10th November, 2021.