

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 propose to use ready dataset (with required reference) or describe how we can 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 appropriate 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 Saturday, 19th November, 2022.