

EE7207 Assignment 1

Please submit your work (pdf file, do not compress) to the following folder by **2 March 2025**: Assignments\Submission Portal of EE7207 Assignment 1.

Question:

Given a two-class pattern classification problem, whose training data is in the file `data_train`, and the label is in the file `label_train`, and the testing data is in `data_test` (50 samples, no label is provided).

- (1) Train a Gaussian RBF neural network classifier: describe how you determine the number of neurons in the input, hidden and output layer, and how you determine the width of Gaussian basis function, and what functions in the toolbox you use to train the network (you can use any toolbox, any computing language, or write your own codes. You can attach your code in the last page of your submission)..
- (2) Predict the class label of the test data using the classifier trained).