# Weekly Research Project Status Report Project Title : Stellar spectral classification using Active learning

approach Report Date : 29th March, 2025

summary progress

- Try to use the SVM (Support Vector Machine) and PCA (Principal Component Analysis) on iris dataset.
- We prepared the code where we use random forest, SVM, KNN, decision tree and ask them to vote for the classification. and we got the maximum number of the votes to the class that object belongs to that class. We tried it on the iris data set.

Confusion Matrix - Voting Classifier
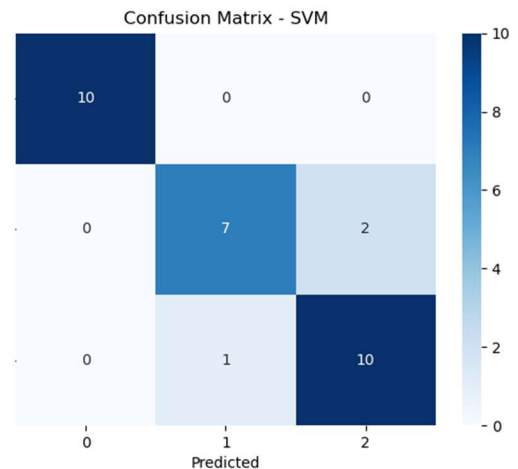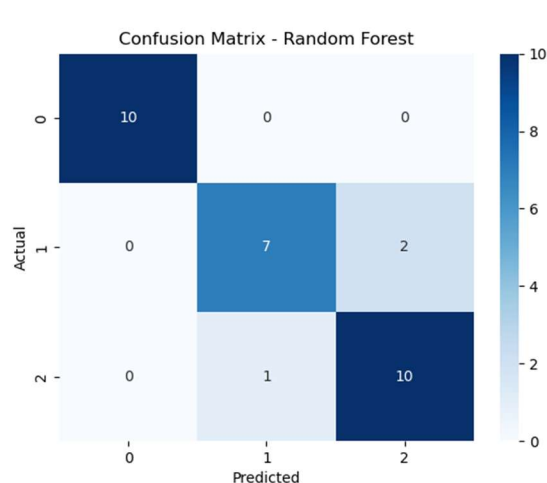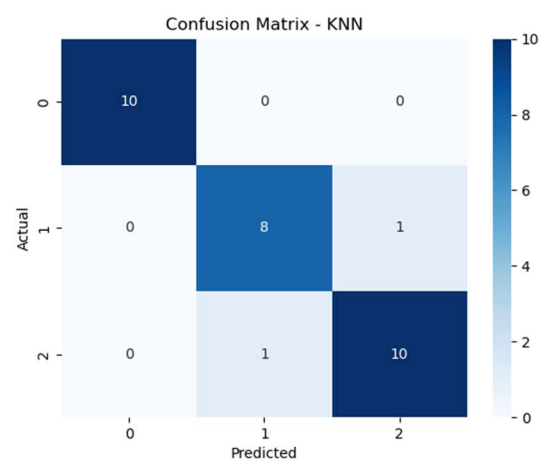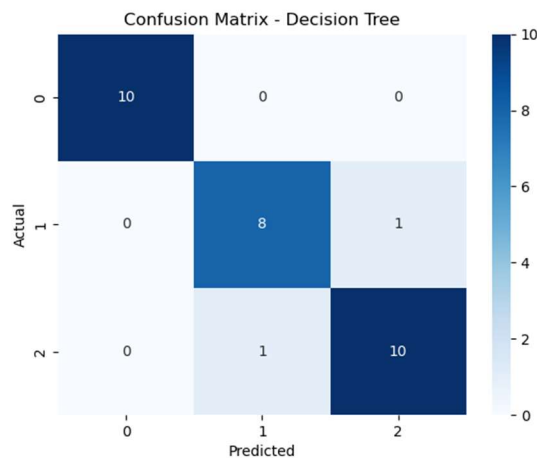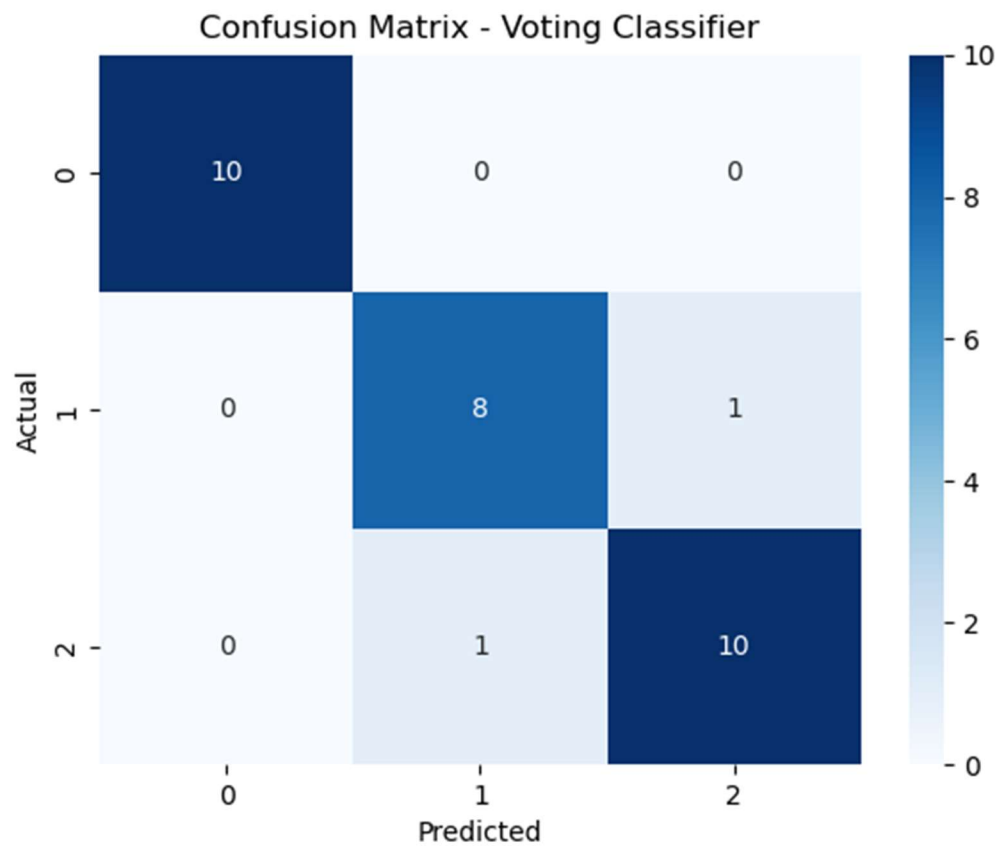
This approach will help us in AL or pseudo supervised learning.