Aim : Study of platform for implementation of Assignments.

A) **WEKA :** Weka is a set of machine learning algorithms that can be applied to a dataset directly, or called from your own Java code. Weka contains tools for data pre processing, classification, regression, clustring, association rules and visualisation.

WEKA's GUI allows you to :
- Pre process data
- Choose learning algorithms
- Evaluate the results
- Build simple visualisations
- Form an interpretation of the results
- Export some output.

B) **R and R Studio :**

R is a programming language and free software environment for statistical computing and graphics supported by the R Core Team and R Foundation for Statistical Computing.

R Studio is a separate piece of software that works with R to make R much more user friendly and also adds some helpful features. It gives R a point and click interface for a few of its features. It also adds a number of

features that make your R programming easier and more efficient.

Benefits :
- Syntax highlighting, code completion, indentation
- Execute R code directly from source editor.
- Easily manage multiple working directories using projects
- Quickly navigate code using type ahead search and go to definition.

i) Anaconda, Python and Jupyter notebook

Python is an interpreted high-level general purpose programming language. Its design philosophy emphasizes code readability with its use of significant Intentation.

Anaconda is a distribution of the Python and R programming languages for scientific computing, that aims to simplify package management and deployment

The Jupyter Notebook is an open source web application that allows you to create and share documents that contain live code, equations, visualisations and narrative text. Uses include data cleaning and transformation, numerical simulation, statistical and modeling, data visualisation, machine learning and much more.

Conclusion: Python, WEKA and R wer successfully installed for the Assignments.