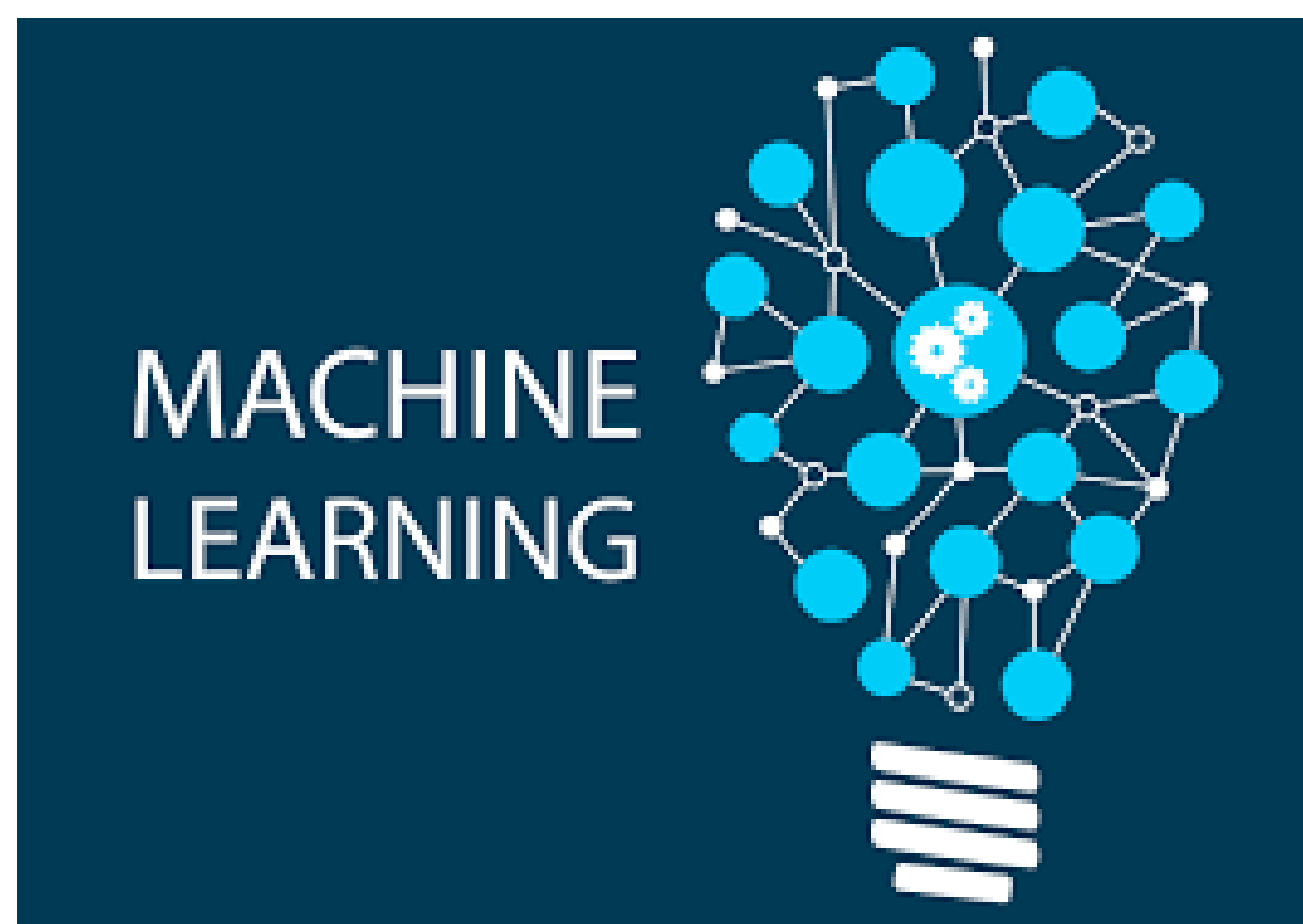


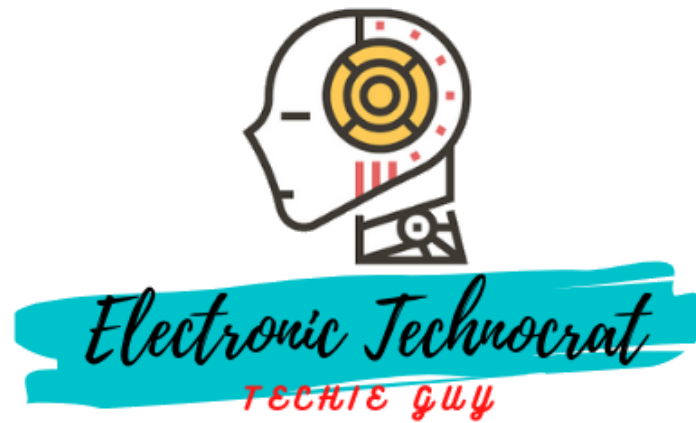
# MACHINE LEARNING SNIPPETS

## Types of Techniques

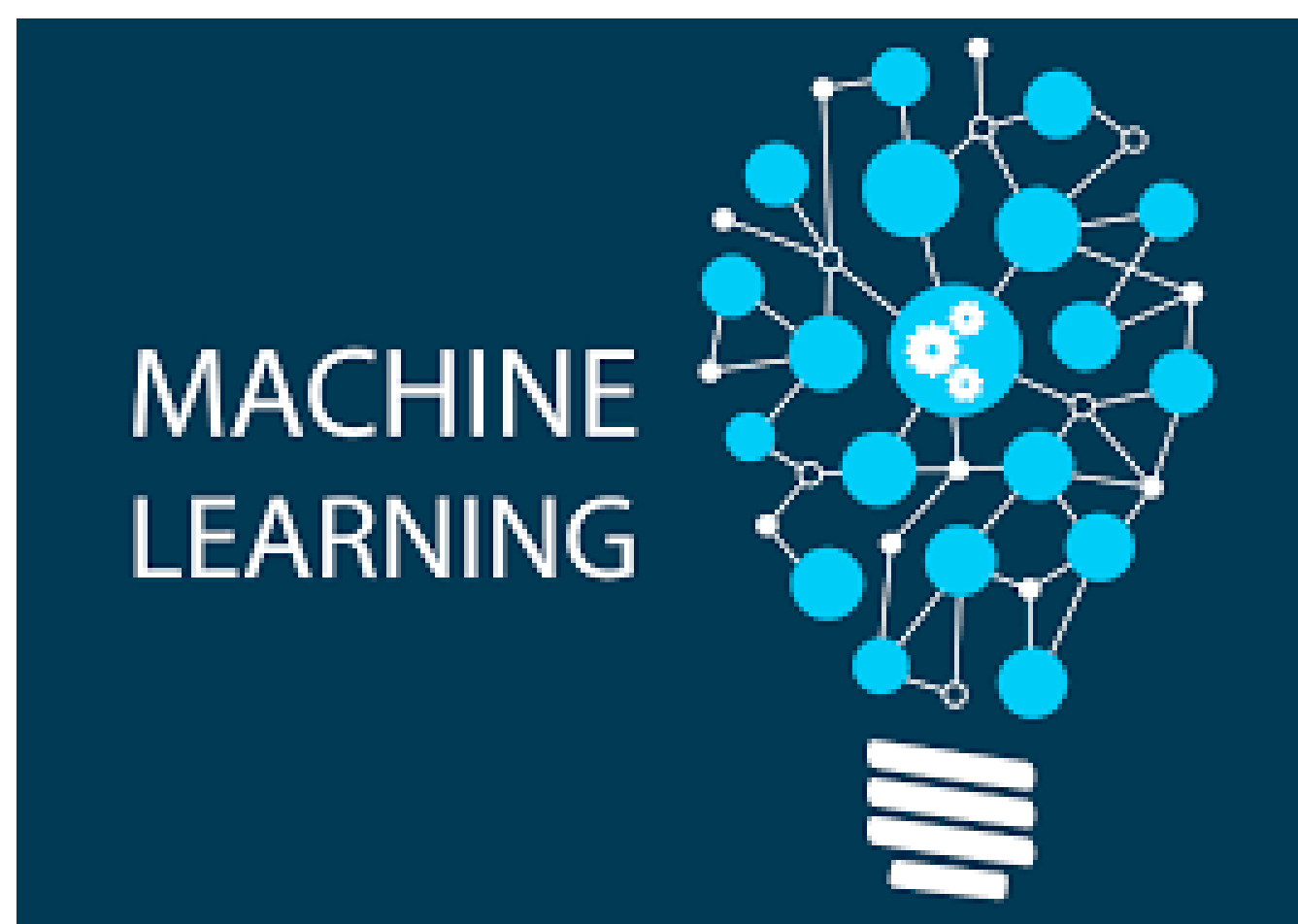
### Unsupervised Learning:-

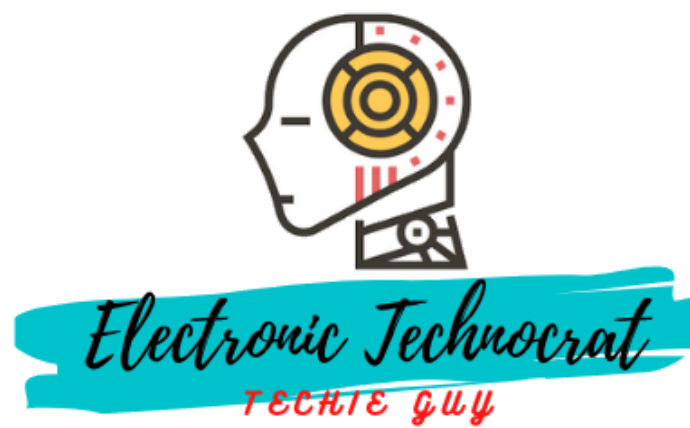
- In unsupervised learning, the training of the machine is done using the information which is neither classified nor labelled.
- The machine learning algorithm acts on information without guidance.
- It groups unsorted information according to similarities, patterns, and differences without any prior training or supervision.





- Since there is no training given to the machine, the machine itself finds the hidden structure in unlabeled data and interprets it.
- So, suppose if the machine is provided with the image of a pen and pencil and its information is not available then it can be categorized according to the similarities, patterns, and differences.
- It is basically differentiated on the basis of pre-defined notions. The machine can estimate what kind of groups it can form to differentiate.





For example –

A wooden stick with a cap can be a pen and with no cap a pencil. With no learning and no training, the machine tries to interpret itself.

