Safer Sai Ram. K 20181CSE0621 08/01/2021 Part-B. 0.2 Machine learning is a form of study that aims to improve the blearning automatically through experience. These are primarily 3 types of learning: Supervised learning:
Tt is a method in which we teach the machine using labelled data. · It is categorised further as Classification or regression. · Common algorithms for regression are linear of logistic regression and for classi-- fication KNN, decision thee, SVM and so on · Eg: - Predicting the temperature in a day or week [regression]; classifying email as span or not (classification). Unsupervised learning: -I. It is a method of learning in which the machine is trained on & unlabelled data without any guidence. · Common algorithms used are K-means clustering and apriori algorithm · Eg: - Market basket analysis, association rule mining and so on.

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20181CSE0621 classmate Saifer (III) Reinforcement learning: interacts with its environment by producing. actions and discovers errors or Trewards.

Algorithms used are &-learning SARSA. · Egi O Training a robot to play whees like Deep Blue. 2) hobots that do industrial work (3) At game algorithms.