



SNS COLLEGE OF ENGINEERING

Karumbapalayam (Po), Coimbatore - 641 107

An Autonomous Institution

Accredited by NBA - AICTE and Accredited by NAAC - UGC, with 'X' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

COURSE NAME : MACHINE LEARNING

III YEAR /V SEMESTER

Unit 1 - INTRODUCTION

Topic 3 : Supervised Learning Categories - Advantages and Disadvantages of Supervised Learning- Applications of Supervised Learning



Supervised Machine Learning



Categories of Supervised Machine Learning:

Supervised machine learning can be classified into **two types** of problems, which are given below:

- **Classification**
- **Regression**

SP/ML/2020

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN, SNS COLLEGE OF ENGINEERING, KARUMBAPALAYAM, COIMBATORE

10/1



Supervised Learning Categories



a) Classification

- Classification algorithms are used to solve the **classification problems** in which the **output variable is categorical**, such as "Yes" or No, Male or Female, Red or Blue, etc.
- The classification algorithms **predict the categories** present in the dataset.
- Some real-world examples of classification algorithms are **Spam Detection, Email filtering**, etc.

3

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN, SNS COLLEGE OF ENGINEERING, KARUMBAPALAYAM, COIMBATORE

10/1



Supervised Learning Categories

