



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' 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 5 : Semi-Supervised Learning

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Semi-Supervised Learning:



- Semi-Supervised learning is a type of Machine Learning algorithm that lies between Supervised and Unsupervised machine learning.
- It represents the intermediate ground between Supervised (With Labelled training data) and Unsupervised learning (with no labelled training data) algorithms and uses the combination of labelled and unlabelled datasets during the training period.
- Although Semi-supervised learning is the middle ground between supervised and unsupervised learning and operates on the data that consists of a few labels, it mostly consists of unlabelled data.

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Semi-Supervised Learning:



- As labels are costly, but for corporate purposes, they may have few labels.
- It is completely different from supervised and unsupervised learning as they are based on the presence & absence of labels.

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