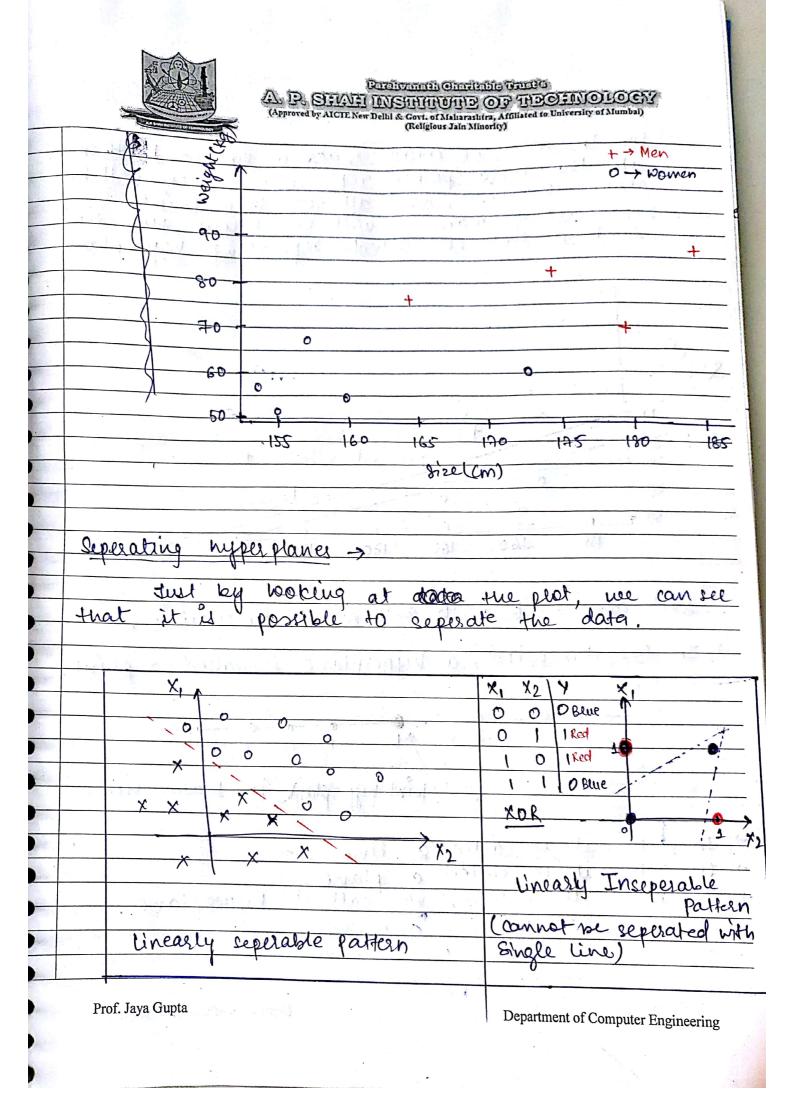
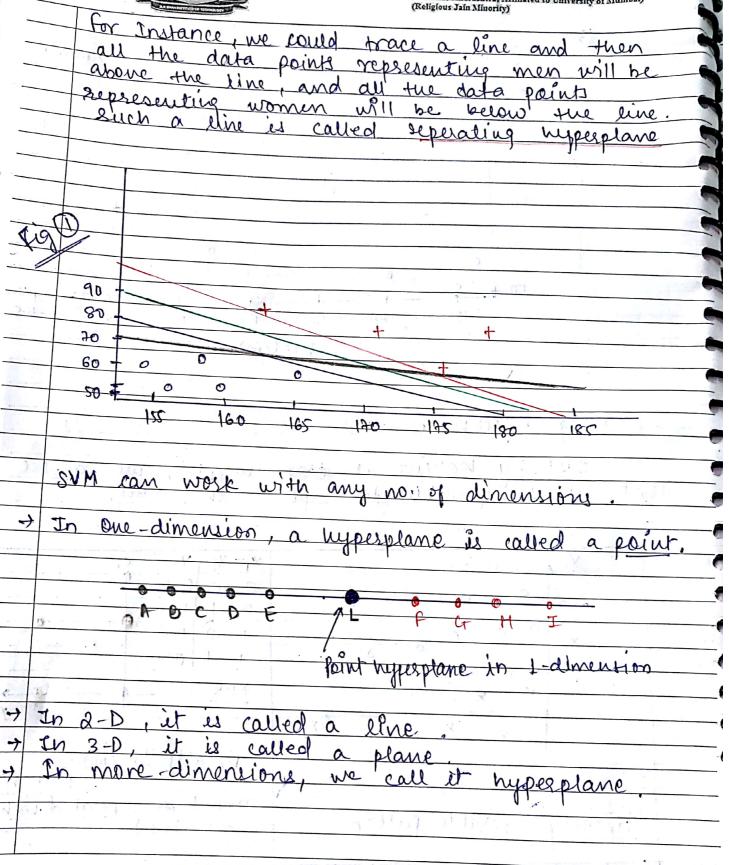
19 to 18 to
Support Vector Machine
SUM can be used for both classification & regression.  But more commonly used for classification.  SVM tries to map an insult
SUM can be used for both alacidically
But more commonly used for classification & regression
SVM tries
SVM tries to map an input space into an output space using a non-uncas mapping function of such that, the data points become eineally becomes linearly seperable then even discovers the optimal seperating hyperplane
Such that the data paints mapping function of
beforable in the output space where
the stimes linearly seperable then cur discourse
spring upper plane
linear SVM > 3A model ushing and in
linear SVM > ?A model which assumes that data is linearly seperable?
-> The goal of one
The goal of an SVM is to find the optimal separating hyperplane which maximizes the margin
of the training data which maximizes the margin
orgining data (= learning algorithm which needs
finding the approal connecti
ryparlane.
Consider the training date as all
maring acta as shown -
Prof. Jaya Gupta  Department of Computer Engineering
1 Computer Engineering





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## A. P. STAT METHURD OF TECHNOLOGY (Approved by AICTE New Delhi & Govt. of Maharashira, Affiliated to University of Mumbal) (Religious Jain Minority)



Prof. Jaya Gupta

Department of Computer Engineering

