

Trimester: May 2021 - July 2021 Examination: Practical Examination		
Programme code:09 Programme: MCA	Class: FY	Trimester: III (SVU 2021)
Name of the Constituent College: K. J. Somaiya Institute of Management	Name of the department/Section/Center: DST	
Course Code: 117P05L301	Name of the Course: Artificial Intelligence and Machine Learning Lab	
Time: 3 hrs	Marks: 30	

Instructions:

- *Viva will be taken at the time of practical as well as after the practical if required.*
- *The figures to the right indicate full marks.*
- *Dataset is provided separately.*

Q1. Use dress recommendation.csv dataset to perform the following. [20]

1. Perform the necessary pre-processing on the given data.
2. Develop a model with the given features using naïve Bayes classifier to predict whether to recommend the dress or not (Class 1/ Class 2).
3. Perform Hyper parameter tuning and find the best model parameters.
4. Compare the performance of the model with Support Vector machines.

Q2. Use start ups.csv to predict the profit.

[10]