

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.*

Q. The credit.csv dataset classifies people described by a set of attributes as good or bad credit risks. Develop a model to predict the credit risk based on the dataset. **[30]**

1. Perform exploratory data analysis and write the findings.
2. Find limitation with data if any for developing the model.
3. Develop the model using Decision Tree algorithm, support vector machines and k nearest neighbors techniques.
4. Apply feature selection techniques and compare the performance.
5. Perform hyper parameter tuning.