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 winequality.csv. Develop a model to predict the class of wine quality based on the attributes given. **[20]**

1. Find limitation with data if any in developing the model.
2. Develop the model to predict the quality of wine using Support Vector Machines.
3. Try to improvise the model by changing the various parameters of the algorithm.
4. Evaluate the model.

Q2. Use logistic regression algorithm to predict the iris flower species name using iris.csv. **[10]**