

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

***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 phishing.csv.

**[20]**

1. Analyse the data Visually.
2. Find limitation with data if any in developing the model.
3. Develop the model using logistic regression algorithm.
4. Perform Cross Validation and find the best results.
5. Compare the performance with Support Vector Machines algorithm.

Q2. Using linear regression algorithm to predict the medical insurance charges based on the data given in med\_insurance.csv.

**[10]**

1. Develop the model to predict the medical insurances charges.
2. Evaluate the model.