Subject –ML Class-BE E&TC

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Subject: Machine Learning

ROLL NO.: 42428 DIV. BE 8 YEAR: 2020-21 SEMESTER: II

Sr. No	Title of Experiments	Performance Date	Submission Date	Pg. No.	Remarks
1	Implement simple logic network using MP neuron model	**10/05/2021**	**17/05/2021**	**1**	
2	Implement a simple linear regressor with a single neuron model	**01/02/2021**	**08/02/2021**	**12**	
3	Implement and test MLP trained with back-propagation algorithm	**17/05/2021**	**24/05/2021**	**29**	
6	Implement SVM classifier for classification of data into two classes	**24/05/2021**	**31/05/2021**	**46**	
7	Implement and test Multi-class SVM classifier	**24/05/2021**	**31/05/2021**	**57**	
Additional Experiments					
9	Derive and implement linear regression model to fit the given data	**01/02/2021**	**08/02/2021**	**62**	
10	Build a decision tree to classify the given examples	**22/02/2021**	**01/03/2021**	**71**	
11	Plot the following activation functions: (i) Binary Sigmoidal (ii) Bipolar sigmoidal (iii) Logistic function (iv) Hyperbolic tangent function (v) ReLu function. Consider the net input to an output neuron as 0.64. Compare the output in each case for all the above listed activation functions.	**08/03/2021**	**15/03/2021**	**80**	

This is to certify that Shri / kum. **Kapadne Chandan Jitendra** has carried out the above mentioned **__08__** experiments in **Machine Learning** laboratory of the institute.

For PUNE INSTITUTE OF COMPUTER TECHNOLOGY, Pune: 43

Date: **06-06-2021**

Staff In charge

PRINCIPAL