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12	Category of Assignment	Code	Exp. No.	Name of Experiment	Date of Allotment of experiment	Date of Evaluation	Max. Marks	Marks obtained	Signature of Faculty
1.	**Mandatory Experiment***	**LR (10)**	**1**	Perform basic operation on matrices (addition, subtraction, multiplication) and display specific rows and columns of a matrix.	20-07-22	03-08-22			
2.	**Mandatory Experiment***		**2**	Perform other matrix operations like converting a matrix's data to absolute values, taking the negative of matrix's values, adding/removing rows/columns, finding maximum and minimum values of a matrix in a row/column, finding the sum of all the elements in a matrix, and concatenating two matrices.	03-08-22	10-08-22			
3.	**Mandatory Experiment***		**3**	Create various types of plots/charts like histograms, pie chart, scatter plot, plot based on sine/cosine function(s) based on data from a matrix. Further, label different axes in a plot and data in a plot.	10-08-22	17-08-22			
4.	**Mandatory Experiment***		**4**	To implement linear regression model on housing data.	17-08-22	24-08-22			

5.	**Mandatory Experiment***		**5**	Implementation of Multiple Regression on Housing Dataset.	24-08-22	14-09-22			
6.	**Mandatory Experiment***		**6**	Implement classification based on logistic regression.	14-09-22	21-09-22			
7	**Mandatory Experiment***		**7**	To implement backpropagation on a dataset.	21-09-22	19-10-22			
8.	**Mandatory Experiment***		**8**	Implement and evaluate a dataset using SVM based classification algorithm.	19-10-22	02-11-22			
9.	**Mandatory Experiment***		**9**	Take a classification dataset from Kaggle and classify the data into output classes. Also evaluate the classifier efficiency using various evaluation measures.	19-10-22	02-11-22			
10.	**Mandatory Experiment***		**10**	Implement and classify balanced/ unbalanced dataset using neural networks.	02-11-22	09-11-22			
11.	**Design Based Open Ended experiment****	**PR (10)**		To implement k means clustering algorithm over a dataset					
12.	**Viva**	**Viva (5)**							