

## **Lab Exam**

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### **Rules:**

1. Your code will be checked for plagiarism. Zero marks will be given if found.
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### **1. DBSCAN**

- a. Build DBSCAN Algorithm from scratch.[5 Marks]
- b. For a given dataset, use the dbscan package or modify your algorithm to get clusters with variable density. [5 Marks]
- c. Submit your code and plot your resultant cluster.

### **2. Clustering**

Given is the dataset of news articles cluster them out so that semantic similarity is more within the cluster. Also list down 15 most important words for each cluster.