**Assignment 5**

1. Write a literature review (at least 2 pages) using the articles related to the selected

project topic

2. Write a python code to implement negative sampling (choose a corpus with more than

10 sentences, find the frequency of each token, find the probability as shown in slide

17 where word count is raised to the power of 3/4)

3. Choose a corpus with more than 10 sentences. Write a python code to create a co-

occurrence matrix (choose window length as 1). Apply SVD. Perform dimensionality

reduction operation. Not down the observations about any relations between words.

Link to upload:

<https://amritavishwavidyapeetham-my.sharepoint.com/:f:/g/personal/s_sachinkumar_cb_amrita_edu/EpLzKsrmPuVJtlYMwWchpEoBj-3m9UuWJqmc1AV-NL-6Ow>

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