Unit I   **4 Contact Hours**

2. *Word Generation: Develop a program to generate random words based on specified criteria (e.g., length, starting letter).*

3. *Morphology: Explore and analyze the morphological structure of words in a given text, focusing on prefixes, suffixes, and roots.*

Unit II   **4 Contact Hours**

3. *POS Tagging: Hidden Markov Model : Implement a POS tagging system using the Hidden Markov Model (HMM) on a sample text.*

Unit III   **4 Contact Hours**

3. *Chunking: Perform syntactic chunking on a given text, identifying and extracting noun phrases, verb phrases, etc.*

4. *Write a program to demonstrate the application of porter stemmer and find the root words of the given list of words*