19ECS443 Natural Language Processing
(2022-23 Odd Semester)

ASSIGNMENT

INSTRUCTIONS

1. Write the assignment questions, scan and upload them on Moodle.
2. Your registered number and name is required in the beginning of Question-1 and Question-2.
3. Last date for submission: 26-10-2022 (Wednesday).

QUESTIONS

1. Write a brief note on (i) Laplace smoothing (or Add-one smoothing), (ii) Add-k smoothing and (iii) Good Turing Smoothing.

   (Reference: Moodle PPT and https://vitalflux.com/quick-introduction-smoothing-techniques-language-models/)   (6 marks)

2. Explain Probabilistic CKY parsing algorithm.

   (Courtesy: https://www.youtube.com/watch?v=DjJYKmAuAJ0)   (4 marks)

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