Report for Hands on Session on
"Python Natural Language Tool Kit"

Conducted on 17th April 2025

Organized by School of Computer, Information and Mathematical Sciences (SCIMS),

Department of Computer Applications

Conveners

1. Dr.Sharmila Shankar , Dean (SCIMS)
2. Dr.M.Syed Masood, HoD/CA
3. Dr.Pakkir Mohideen., Professor /CA

Co-Conveners

1. Dr. A. Abdul Azeez Khan, Associate Professor / CA
2. Dr. K. Javubar Sathick, Associate Professor / CA

Coordinators

1. Dr.G.Shree Devi ,Associate Professor / CA
2. Dr.R.Sonia, AP(Sr.Gr)/CA
3. Dr.I.Parvin Begum , AP/CA

Hands on Session on "Python Language Toll Kit" NLTK is a premier platform for developing Python applications that process human language data, offering intuitive interfaces to numerous corpora and lexical resources, as well as a range of text processing libraries for tasks like classification, were held on 17th April 2025, during from **9.30 am to 12.30 pm**. The Department of Computer Applications, School of Computer, Information and Mathematical Sciences organized the event.

The Resource person of this hands on Session was, **Ms.Jasmine, Natural Language Expert, Department of Information Science, Anna University.**

The report discusses about the following aspects of the programme:

Introduction

- On 17th April 2025, the Department of Computer Applications organized a Hands on Session "Python Language Toll Kit"
- The hand on Session was handled by Ms.Jasmine as a resource person.
- The hands on Session was attended by UG second year BCA and B.Sc (Computer Science) Students of the department.
- The hands on Session aim to equip participants with the knowledge to Tokenization, Stop words removal, Stemming, Lemmatization and Sentiment analysis.

Key Takeaways

The hands on Session focused on the following key takeaways:

- Introduction to NLP.
- Need for NLP, Why NLP is hard and what we do in NLP.
- Understanding the concept of how to count the words.
- Equipping participants with the skills and knowledge to preprocessing and spelling corrections.

Presentation and Delivery
- The presentation and delivery of the hands on Session were well-organized and informative.
- **Ms.Jasmine** presented the topics in a clear and concise manner.
- The hands on Session covered essential knowledge about NLP, Preprocessing like Tokenization, Stop words and Stemming.

Audience Engagement
- The hands on Session was positively received by the audience, who engaged actively by asking questions and seeking clarifications.
- The speaker fostered an interactive environment, encouraging questions and offering thorough responses to each one.

Conclusion

- In conclusion, the hands on Session on "Python Language Toll Kit" were both informative and insightful, providing valuable knowledge to the participants.
- The speaker provided a comprehensive overview of NLP in information retrieval count words, text preprocessing and spelling corrections.
- The hands on Session focused on text preprocessing and the use of to improve the search engine results in information retrieval.

Our hand on Session on Python NLTK is promoted through an engaging flyer and brochure, featuring vital information."

School of Computer, Information and Mathematical Sciences
Department of Computer Applications

Hands-on Session-"Python -Natural Language Toolkit"

Ms. Jasmine
Natural Language Expert
Department of Information Sciences
Anna University

Attendees - BCA & B.Sc.(CS)

Date	17.04.2025
Time	9:30 am -12:30 pm
Venue	Lab 5- CA / Department

Convenors	Co-Convenors	Co-ordinators
Dr. Sharmila Sankar	Dr. Abdu Azeez Khan	Dr. G. Shree Devi
Dr. M. Syed Masood	Dr. Javubar Sathik	Dr. Parvin Begum
Dr. Pakkir Mohideen		Dr. Sonia

Attached are some snapshots of the hands on Session , showcasing the engaged audience and the speaker's presentation.

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Note : Captured by GPS Map Camera