

Mohamed Sathak College of Arts and Science

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(A Muslim Minority Institution), An ISO 9001:2015 Certified Institution
Sholinganallur, Chennai - 600 119.



PG Department of Computer Science

Report on Workshop- Practical NLP: Building Text Processing Pipelines with Python

Date: 06 August 2026

Time: 10:00 AM – 1:00 PM

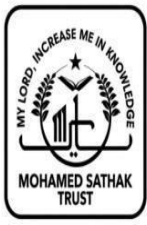
Venue: Lab 237

Introduction

The PG Department of Computer Science, in association with IQAC, organized a One-Day Workshop on "Practical NLP: Building Text Processing Pipelines with Python" on 06 August 2026 at Lab 237. The workshop was conducted to provide students with practical knowledge of Natural Language Processing (NLP) and to develop their skills in building text processing pipelines using Python. The programme received an overwhelming response, with 80 UG Computer Science students actively participating.

Objectives of the Workshop

- To introduce students to the fundamentals of Natural Language Processing (NLP).
- To provide hands-on experience in building text processing pipelines using Python.
- To familiarize students with NLP libraries such as NLTK, spaCy, TextBlob, and Scikit-learn.
- To teach basic text preprocessing techniques, including tokenization, stopwords removal, stemming, and lemmatization.
- To help students understand the real-world applications of NLP.
- To enhance students' practical programming and problem-solving skills using Python.



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Programme Proceedings

The workshop commenced with the Qirath by Mr. Abdul Lathif (III B.Sc. CS), followed by the Tamil Thai Vazhthu rendered by Ms. R. Ramya, Ms. M. P. Seiyaval, and Ms. G. Keerthana (III B.Sc. CS). The gathering was warmly welcomed by Ms. M. Sharmila (III B.Sc. CS). The Felicitation Address was delivered by Dr. M. S. Mohamed Jaabir, Principal, who also honoured the Chief Guest. Dr. M. Syed Ali, Vice Principal & IQAC Coordinator and Mrs. K. Thanga Prabha, Head of the department joined in honouring the resource person. The Introduction of the Chief Guest was delivered by Ms. A. Thaslim (III B.Sc. CS).

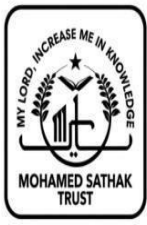
Resource Person

The technical session was handled by Dr. A. Mohamed Musthaq Ahmed, Assistant Professor, Department of Computer Science with Artificial Intelligence, The New College, Chennai. He provided an engaging and informative session with practical demonstrations, enabling students to understand the concepts of Natural Language Processing and their real-world applications.

Workshop Highlights

The workshop covered:

- Introduction to Natural Language Processing (NLP)
- Text preprocessing techniques: Tokenization, Stopword Removal, Stemming and Lemmatization
- Python libraries such as NLTK, spaCy, TextBlob and Scikit-learn
- Development of end-to-end NLP pipelines
- Real-world applications of NLP
- Git and GitHub for version control and collaboration
- The hands-on practical sessions enabled students to implement NLP concepts using Python and gain confidence in developing text processing applications.



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Participation

A total of 90 students attended the workshop. The participants showed great enthusiasm and actively interacted with the resource person throughout the technical session. Their involvement in the practical activities made the programme highly successful.

Outcome

The workshop enhanced the students' understanding of:

- Fundamentals of Natural Language Processing.
- Text preprocessing using Python.
- Popular NLP libraries and their applications.
- End-to-end NLP pipeline development.
- Real-world implementation of NLP techniques.
- Collaborative development using Git and GitHub.

Conclusion

The programme concluded with the Vote of Thanks delivered by Ms. V. Pavithra (III B.Sc. CS), expressing gratitude to the Management, Principal, Vice Principal, IQAC Coordinator, Resource Person, faculty members, and students for their support and participation. The event ended with the National Anthem.

The workshop was highly informative and interactive, providing valuable practical exposure to the participants. The PG Department of Computer Science sincerely thanks Dr. A. Mohamed Musthaq Ahmed for his valuable contribution and making the workshop a grand success.

Prepared by:

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