

REGISTRATION

Participants who are interested to attend this program should register online in the below mentioned link.

Registration link

<https://shorturl.at/74zCT>

SCAN QR CODE TO REGISTER



Scan Me for Registration

FOR QUERIES CONTACT

Ms.KR. Shanmugapriyaa,

AP/AI&DS

Mobile number: 9597117007
shanmugapriyaa@cit.edu.in

ELIGIBILITY

UG/PG Students from Various Academic
Institutions

PREREQUISITE : Basics of Python

REGISTRATION FEE: Rs.500

(Include Registration Kit, lunch, Refreshments
for both the days)

Note: Fee Exemption for CIT Students

TIMING : 9.30am to 4.30pm

PAYMENT DETAILS

ACCOUNT NAME: TRAINING
AND CONSULTANCY

BANK: INDIAN BANK

ACCOUNT NUMBER: 6717786188

BRANCH: PEELAMEDU

IFSC CODE: IDIB000S107

IMPORTANT DATES

Last date for Registration: **24.09.2025**

COIMBATORE INSTITUTE OF TECHNOLOGY

(A GOVERNMENT AIDED AUTONOMOUS INSTITUTION)



TWO DAY

WORKSHOP

On

NATURAL LANGUAGE

PROCESSING

(NLP)

26th & 27th Sep 2025

Organized by

**DEPARTMENT OF ARTIFICIAL
INTELLIGENCE AND DATA SCIENCE**

ABOUT THE INSTITUTE

Coimbatore Institute of Technology (CIT), started in 1956 by Sri. V. Rangasamy Naidu is reckoned for its academic and research excellence in engineering and technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai.

The institute has a reputation with service of competent well qualified faculty members and dynamic management to set highest standards in engineering research and development. CIT offers undergraduate, post graduate and PhD programs with curriculum of global standards, promoting the students to compete internationally. All the courses are accredited by NBA and NAAC.

The institute has celebrated its Golden Jubilee in the year 2006 and has collaborations with leading frontier universities and industries in India and abroad for promotion of innovative engineering ideas.

ABOUT THE DEPARTMENT

AI and Data Science are the key enablers for disruptive innovations of this century, these emerging technological revolutions have reshaped our work and life style. From the start of June 2021, CIT, Coimbatore establishes a new department "Artificial Intelligence and Data Science".

The department will be driven by its commitment to excel in research, design and development of next generation cutting-edge technologies in the area of Artificial Intelligence and Data Analytics. Our mission is to cultivate Industry-Academia partnership. drive collaborative research with other domains and equip our talents to contribute on multi disciplinary projects by translating the developed technology into real world impacts

LEARNING OUTCOMES

- Understand the fundamentals of Natural Language Processing (NLP) and its real-world applications.
- Gain skills in text preprocessing, linguistic essentials, and text representation techniques.
- Apply machine learning models to solve text classification, sentiment analysis, and other NLP tasks.
- Explore advanced sequence modeling techniques, including RNNs, LSTMs, and Transformers.
- Build and implement mini-projects demonstrating practical NLP applications.
- Analyze the role of large language models (LLMs) and ethical considerations in NLP.

COURSE CONTENTS

- Foundations of NLP and Real-World Applications
- Text Preprocessing, Tokenization, and Linguistic Essentials
- Text Representation Techniques: Bag of Words, TF-IDF, and Embeddings
- Basics of Language Modeling: N-grams, HMM, and POS Tagging
- Text Classification and Sentiment Analysis (Hands-on)
- Sequence Modeling with RNN, LSTM, GRU, and Transformers
- Practical NLP Applications: NER, Text Summarization, Machine Translation
- Mini-Projects and Hands-on Sessions (Chatbot, Summarizer, Classifier)
- Future Trends in NLP: LLMs, ChatGPT, and Ethical Considerations

Resource Person : Technical Trainers
From Industry

GUEST OF HONORS CHIEF PATRONS

Thiru.R.Santossh
Managing
Trustee/
Chairman
CIT Institutions
Coimbatore

Thiru.S.Rajiv
Rangasami
Correspondent,
CIT Institutions
Coimbatore

Sri Vishnu
Nischal Rajkumar
Director
Admissions
CIT Institutions
Coimbatore

PATRONS

Dr.A.Rajeswari
Principal
Coimbatore Institute of Technology
Coimbatore

Dr.N.R.Alamelu
Chief Academic Officer
CIT Institutions
Coimbatore

CONVENER

Dr. Valliappan Raman,
Professor & Head of Department - AI&DS,
Coimbatore Institute of Technology.

FACULTY COORDINATORS

Dr.M. Prabhavathy,
Associate Professor,
Department of AI&DS,
Coimbatore Institute of
Technology.

Ms.KR Shanmugapriyaa,
Assistant Professor,
Department of AI&DS,
Coimbatore Institute of
Technology.

