



KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
Re-accredited by NAAC with A⁺ Grade - 4th cycle, College of
Excellence – UGC
29th Rank among Colleges in NIRF 2023
Coimbatore - 641 029, Tamil Nadu, India



DEPARTMENT OF COMPUTER SCIENCE (Aided)
Workshop on
Supported by
DBT STAR COLLEGE SCHEME
REPORT

Name of the Event	Unlocking the Future :Bridging NLP and Open AI for Intelligent Communication
Date	12-09-2023
Time	10.00 A.M
Resource Person With Designation	Mr.T. NANDHAKUMAR Software Developer, MECHPRO Technologies, GandhiPuram, Coimbatore.
Venue of the Programme	Computer Lab -VI
Objectives of the Programme	☐ Provide an overview of Natural Language Processing (NLP) fundamentals and advanced techniques. ☐ Explore the capabilities of OpenAI platforms, particularly focusing on GPT-3 and GPT-4 language models. ☐ Enable hands-on experience with NLP tools and OpenAI APIs for text analysis, generation, and translation. ☐ Discuss ethical considerations and best practices when using AI-driven communication systems. ☐ Showcase real-world case studies and applications of NLP and OpenAI in various domains. ☐ Encourage participants to envision and prototype innovative AI-driven communication solutions. ☐ Foster discussions on emerging trends and future prospects in NLP and OpenAI for intelligent communication.

Outcome of the Programme	● Students were exposed to the concepts of Cloud Computing architecture, security, services and storage modules. ● Imparted knowledge about big data, IoT and its association with cloud computing . ● The usage of Cloud computing in the field of IoT and Bigdata analysis was clearly explained to the students. ● Created awareness regarding the growing opportunities in the field of cloud computing.
Number of Beneficiaries with Class (Both Students and Faculty)	Students: III B.Sc Computer Science (A) – 43 Faculty: 1 Mr.P.Kaliraj Assistant Professor in Computer Science Kongunadu Arts and Science College Coimbatore-29. Total Number of Beneficiaries:44

Report in detail

The workshop was a comprehensive exploration of the intersection between Natural Language Processing (NLP) and OpenAI technologies, designed to empower participants with advanced tools and strategies for intelligent communication. Over the course of the workshop, participants explored NLP fundamentals, including text preprocessing, sentiment analysis, and advanced techniques like named entity recognition and text summarization. Practical sessions and hands-on exercises allowed participants to apply NLP concepts in real-world scenarios, gaining valuable insights into how NLP can automate tasks and enhance communication efficiency.

The workshop also provided an in-depth introduction to OpenAI platforms, particularly focusing on GPT-3 and GPT-4 language models. Hands-on sessions with OpenAI APIs enabled participants to experience firsthand the capabilities of these models in text generation, language translation, and content creation. Discussions on ethical considerations in AI-driven communication and best practices for ensuring fairness and transparency enriched participants' understanding of responsible AI usage.

Throughout the workshop, participants explored case studies and real-world applications showcasing successful implementations of NLP and OpenAI in various

domains such as healthcare, education, and business. These case studies, coupled with discussions on emerging trends and future applications, inspired participants to envision innovative solutions and prototype AI-driven communication systems. In conclusion, the workshop equipped participants with comprehensive knowledge encompassing NLP fundamentals, advanced techniques, and OpenAI platforms' capabilities.



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DEPARTMENT OF COMPUTER SCIENCE (AIDED)

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Name of the Event : One Day Workshop on Unlocking the Future:
Bridging NLP and Open AI for Intelligent
Communication

Date : 12/09/2023

Venue: Lab VII

