



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

DEPARTMENT OF COMPUTATIONAL INTELLIGENCE

REPORT ON ONE WEEK WORKSHOP ON “GENERATIVE AI”

5th to 7th, 11th to 13th March 2024

Department of Computational Intelligence successfully completed Workshop on **GENERATIVE AI** in Association with **Cantilever Labs** from Mar 5th to 7th and 11th to 13th for II-year Students.

Objective of the Workshop:

The aim of the Workshop is to provide hands on experience using, Python-Jupyter Notebook and gain an in-depth knowledge on Generative AI and LLM concepts with practical implementation.

Highlights

- To understand basic concept of Generative AI Mechanisms and implementation of them in real time environment
- Demonstrated various projects to Create LLM models like text-to-image, text-to-voice, chatbot, etc.
- To understand API keys and using OpenAI and Hugging face API keys building bots.
- Understanding LLM's and generating prediction texts using GAI.

Schedule for Generative AI Workshop

DAY	TOPIC	SUB-TOPIC
1	Fundamentals of Generative AI and Generative Adversarial Networks	Key principles and concepts
		Applications and Potential
		Real-world applications across industries
		Opportunities for innovation
		DIY Projects and understanding logic behind it
		Text to Video: Transforming text into video content
		Text to Music: Creating music from textual input
		Text to Website: Generating web content dynamically
		The concept of generative modeling
		The role of GANs in generating realistic data
		Understanding GANs
		Architecture of GANs
		Training GANs
2	Large Language Models (LLMs)	Deep Dive into Large Language Models (LLMs)
		Understanding Large Language Models
		In-depth exploration of LLMs and their architecture
		Their pivotal role in modern AI
		Latest Trends and Advancements
		Stay updated on innovative developments in LLM research
		Text Prediction using LLMs
		Text Prediction Fundamentals
		Introduction to text prediction techniques
		Use cases and significance
		Building a Text Prediction Model
3	Chatbots with ChatGPT API	Building Chatbots with ChatGPT API
		Introduction to ChatGPT API
		Understanding the capabilities of ChatGPT
		API access and authentication
		Crafting Effective ChatGPT Prompts
		Strategies for eliciting desired responses
		Best practices for interaction

Photos Gallery



MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS INSTITUTION UNDER GOVT OF INDIA)
AFFILIATED TO JNTU-APPROVED BY AICTE/NEA TIER I & NAAC WITH A GRADE ISO 9001:2015

DEPARTMENT OF COMPUTATIONAL INTELLIGENCE PRESENTS

ORGANIZING A ONE WEEK WORKSHOP ON

GENERATIVE AI

IN ASSOCIATION WITH

Cantilever Labs

SAVE THE DATES

MAR 5th-7th
11th-13th

Now it's in your hands to grab the opportunity

DR. V S K REDDY Director
DR. S SRINIVAS RAO Principal
DR. T VENU GOPAL Dean - Student Welfare
DR. D SUJATHA HOD - CI

