Course Title	**PROMPT ENGINEERING: PROGRAMMING WITH LARGE LANGUAGE MODELS (LLMs)**
Course Code	**CSC 304**
Course Purpose and Objectives	The purpose of this course is to prepare students in the usage of prompt engineering using Python. In this course students will be able to realize intelligent human behavior on their Python programs by interfacing with APIs of Large Language Models (LLMs).
Learning Outcomes	1. Examine generative Artificial Intelligence, such as text and image generation with deep learning models and Large Language Models. 2. Learn the practical use of artificial intelligence techniques in software using Python. 3. Learn the iterative methodology for building and improving prompts and training models. 4. Learn the different tasks of Large Language Models and how to properly formulate them in prompts. 5. Implement an artificial intelligence application that uses LLMs in Python.
Course Content	- Introduction to Large Language Models - Natural Language Programming - Programming with Large Language Models (llms) - Iterative Prompt Building - Focused Prompting. - Sentiment Inference - Inferring Topics, Keywords, Logical statements - Universal Translator - Text Transforming - File Format Transforming - Content Generation and Model Randomness - Chat Bots - Laboratory Work