Course Instructor: Dr Chiranjib Sur

Course Webpage: https://chiranjibsuruf.github.io/courses/da624.html

Email: chiranjib@iitg.ac.in

Objectives:

Prerequisites:

Course Code: DA624

Course Name: NLP with Large Language Models

Credits: 3-0-0-6

Syllabus: History of evolving NLP problems, natural language processing: Words, Syntactic Parsing, Dependency Parsing; n-gram Language Model; natural language understanding language generation, Neural models basics: Recurrent Neural Network, Attention and Transformer; Neural Language Models, Different formulations: Encoder only, Encoder-decoder, Decoder only; training and fine-tuning Large Language Models: BERT, RoBERTa; ChatGPT; LLama; Prompt Engineering; Case studies and future challenge.

Textbooks:

- To be updated.

References:

- To be updated.