

Course Instructor: Dr Chiranjib Sur

Course Webpage: <https://chiranjibsuf.github.io/courses/da627.html>

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Objectives:

Prerequisites:

Course Code: DA627

Course Name: Building Multimodal GenAI

Credits: 3-0-0-6

Syllabus: Introduction to Gen AI: LLma, GPT, Gemini, Mistral, Camel, Qwen, datasets, platforms; Text generation: training, quantification, domain adaptation, fine-tuning; Image and video generation: usage; Multimodal Gen AI: digital transformation, business opportunities; Gen AI for audio and voice: fine-tuning, deep fake; Gen AI for simulation, logistics, forecasting, disentanglement, academic integrity, education and multi-objective optimization, biology; Dynamics of reinforcement learning and data search in Generative AI;

Textbooks:

- Will be updated soon.

References:

- Will be updated soon.