PATRON

Prof. (Dr.) P.G.Sankaran
Vice Chancellor
Cochin University of Science and Technology

ADVISORY COMMITTEE

Prof. (Dr.) V. Sivanandan Achari
Registrar
Cochin University of Science and Technology

HEAD OF DEPARTMENT

Prof. (Dr.) Madhu S. Nair
Professor

ORGANISING COMMITTEE

Prof. (Dr.) G. Santhosh Kumar
Professor

Prof. (Dr.) Philip Samuel
Professor

Dr. Bijoy A. Jose
Associate Professor

Dr. Jereesh A. S.
Assistant Professor

Dr. Ajees A. P.
Assistant Professor

Dr. Remya K. Sasi
Assistant Professor

COORDINATORS

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ELIGIBILITY

Faculty members, research scholars, postgraduate students, and professionals working in industry. A basic understanding of Deep Learning is recommended.

RESOURCE PERSONS

Eminent faculties from academia and industry.

CONTACT

cusatgenai@gmail.com

+918907230664 , 0484-2862301

FIVE DAY WORKSHOP ON

GENERATIVE AI & LLM

29 July - 02 August , 2024
09:30 AM - 4:30 PM

Department of Computer Science
Cochin University of Science and Technology

SCHEDULE

DAY 1

Deep Learning for NLP - Autoencoders and Generative Adversarial Network - Attention Models for Image and Text

DAY 2

Self-attention and Transformer Architecture - Popular Pre-trained LLMs- BERT - GPT

DAY 3

Vision Transformers - Stable Diffusion Models - Exploring Hugging Face Models

DAY 4

Introduction to LLM Frameworks and Fine Tuning - Prompt Engineering - Retrieval Augmented Generation (RAG) -

DAY 5

Advanced Techniques for GenAI - Research trends in Gen AI and LLMs

+ An expert talk from industry everyday

Department of Computer Science

The Department of Computer Science came into existence in 1984 with an M.Tech. course in Computer and Information Science, which was the first in the state of Kerala. The department currently offers full-time and part-time M.Tech programs in various specializations, a five-year integrated M.Sc. course, and Ph.D. programs in the areas of Artificial Intelligence, Computer Vision, Natural Language Processing, Cyber-Physical Systems, Bioinformatics, and Software Engineering. The Department collaborates through MoUs with a variety of academic and industrial partners including University of Glasgow, TCS, UST Global, ITC, and Infenox Technologies. Additionally, the department is also involved in collaborative research with foreign universities like Research Council of Norway, NTU Singapore, Queen's University UK, and Indian institutes including IISc. , various IITs, IIITs, and NITs. The department has 8.8 Cr worth of ongoing consultancy and funded projects including the INTPART Project (NTNU Norway), SPARC Project, and RUSA Project(Govt. of India). Department faculty has received teaching and research awards including AICTE Visvesvaraya Best Teacher Award (2021), Kairali Research Award (2020), Distinguished Young Faculty Award (2020), and DRDO Academy Excellence Award (2020). In 2023, Computer Science department was ranked in 801+ subject-wise category by THE World University Rankings. The department also is entrusted with the responsibility of managing the upcoming High Performance Computing facility worth 26 Cr. The department also provides technical expertise and support to various Government/Quasi-government bodies

About CUSAT

Cochin University of Science and Technology (CUSAT) was established in 1971 with an emphasis on postgraduate studies and research in applied science, industry, and commerce. In its pursuit of international excellence, CUSAT has established academic collaborations with various universities in India and abroad. CUSAT is accredited with an 'A+' grade by NAAC and consistently ranks among the top universities in India.

REGISTRATION

Link: https://tinyurl.com/cusatgenai

Registration Fee : Rs.5000 + 18% GST

Registration starts at 5 PM on July 22, 2024, and will remain open only till seats are available. Payment details are provided in the registration form. Seats shall be confirmed only after fee payment. Working lunch and tea are included. Limited accommodation is available on payment basis.