S.A. ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University Chennai)

Accredited by NAAC 'A' Grade & ISO 9001:2015 Certified Institution

IEEE COMPUTER SOCIETY

IEEE PRO COMM Professional Communication Society

Department of AI and DS, CSE & CSE (AI and ML)

In association with

IEEE CS Madras Chapter & IEEE PCS Madras Chapter

Organizes

National Workshop
on

Generative AI and Large Language Model (LLM) Tools in Engineering:

Unleashing the Power of Gen AI

27th February 2024

About Institution

S. A. Engineering College was established by the Dharma Naidu Educational and Charitable Trust in the year 1998-99. The college is approved by AICTE and affiliated to Anna University, Chennai, Tamil Nadu. The college also acquired the Autonomous status in the year 2019-20. The college is well planned with 5 lakhs sq. ft of constructed area. The college maintains a high standard of Education by providing a world class academic facilities, employing highly qualified and experienced faculty members and creating an ambience conducive for quality education. In recognition of quality policy being implemented by the institution, M/s TUV NORD has accorded ISO 9001:2015 certification. The college is accredited by NAAC with 'A' Grade and NBA, The college offers 11 UG Programmes and 6 PG Programmes. S.A. Engineering College is also conferred Autonomous status for over 10 years from 2019. For more details, visit https://www.saec.ac.in/

About Department of Artificial Intelligence and Data Science

Artificial Intelligence and Data Science department has started in the year 2021 with the state of art facilities in the intention of providing education and career opportunities on par with leading institutions in India. It has a range of resources and tools to support effective learning and research. As a rapidly growing field that is transforming many industries, including healthcare, finance, manufacturing, marketing, e-commerce and transportation, the demand for AI and Data Science professionals is increasing, and job opportunities in this field are growing at a rapid pace.

About Department of CSE

The Department of Computer Science and Engineering was established in 1998-1999 with 40 students intake. It has been enhanced in the year 2012-2013 with 180 students. It is accredited by the National Board of Accreditation, affiliated with Anna University, Chennai. The Post Graduate program, M.E. Computer Science and Engineering, was established in 2006-2007 with an intake of 18 students. The Department has been recognized as a Research Centre by Anna University in the year 2015. The Department has a set up of advanced laboratory facilities like Intel Intelligence Lab, Cisco Networking Lab, Oracle Lab, IoT Lab, Cloud Computing lab, Mobile Application Development and Big Data lab. The Department of CSE

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has a well-equipped department library which is enriched with over 1438 books, 25 printed journals, 52 IEEE Journals and 114 DELNET Online Journals.

About Department of CSE (AI and ML)

The Department of CSE (Artificial Intelligence and Machine Learning) was started in the year 2022. The department has grown to its current strength of 116 students from a humble beginning with 56 students. Our department is equipped with the latest state of the art laboratories and is equipped with an excellent Internet facility. We have a dedicated team of faculty members who will always counsel and motivate the students to bring out their best performance. We encourage the students to join in various professional societies like IEEE and CSI to develop their technical expertise and also to organize several student conferences / symposia / seminars / workshops in various trending topics. To make students well prepared to face the industry, they were imparted the requisite training by utilizing the services of external academia and professional practitioners for contesting in competitions like TCS Code Vita, Smart India Hackathon etc.,

About IEEE Computer Society Madras Chapter (IEEE CS)

The IEEE Computer Society is the premier source for information, inspiration, and collaboration in Computer Science and Engineering. Connecting members worldwide the Computer Society empowers the people who advance technology by delivering tools for individuals at all Stages of their professional careers.
Visit: https://www.computer.org/ for more details.

About IEEE Professional Communication Society Madras Chapter (IEEE PCS)

The IEEE Professional Communication Society is a professional society of the IEEE formed in 1978. It helps engineers and technical writers to seek more education and research in their fields, in addition to development of standards in technical communication.

It also includes technical, scientific, industrial, and other activities that contribute to the techniques and products used in this field. Visit: https://procomm.ieee.org/

About Workshop

- Workshop focuses on introducing building blocks of recent phenomenon - Gen AI and LLM.

- Explains it's application in ideation to implementation. Strategy and business ideas.

- Expands how it has democratized knowledge for all - via exposure to tools and excercises

Workshop Content

- Introduce participants to the concepts of Generative AI and Large Language Models (LLMs).

- Explore the applications of Generative AI and LLM tools in engineering domains.

- Provide hands-on experience with popular LLM tools and platforms.

- Foster discussion on the ethical considerations and implications of using AI in engineering contexts
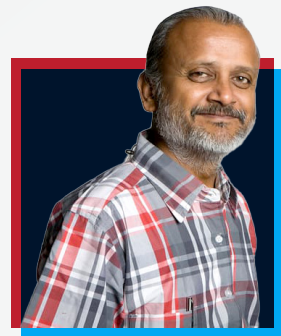
Objectives

- To provide knowledge and impact of Generative AI, LLMs in technology landscape, across professional practices - ideation, design, development, testing and lifecycle process

- To provide hands on exposure to popular Gen AI tools for tasks at hand

- To provide early introduction to prompt engineering

Outcomes

- Understanding building blocks of the disruptive technologies - Gen AI and LLMs

- Developing Prompts for the needs

- Aspects of prompt engineering

About Speaker

Mr. Murali Sundaram
Technology Consultant
IIT Madras alumnus, graduated in 1981.

Murali Sundaram is a technology consultant with over 25 years of experience in the IT industry. He has worked with a variety of clients, including corporations, governments, and institutions. Murali is an expert in emerging technologies, such as generative AI (LLMs), cloud computing, AR VR and Digital Transformation. He is also a skilled architect, designer, and developer.

Murali is passionate about helping clients use technology to achieve their goals. He is known for his ability to understand complex technical challenges and translate them into clear and actionable plans. Murali is also a strong advocate for innovation and creativity. He believes that technology can be used to solve some of the world's most pressing problems.

In addition to his consulting work, Murali is also an adjunct professor at VIT University in Chennai, India. He teaches courses on Gen AI, emerging technologies and innovation management (Vel Tech, SRM University).

Murali is also a frequent speaker at industry events. He is always looking for new ways to share his knowledge and expertise with others.

He is IIT Madras alumnus, graduated in 1981

Organizing Chairs

Dr. K. Dinakaran
HoD, AI and DS

Dr. R. Geetha
HoD, CSE and R&D Coordinator

Dr. S. Koteeswaran
HoD, CSE (AI and ML) & IQAC Coordinator

Organizing Co-Chairs

Dr. M. Anuradha
Professor, CSE

Dr. D. Hemanand
Professor, CSE

Convenor

Dr. M. Nalini
Associate Professor, CSE

Organizing Secretaries

Mr. Balasubramanian. M
Associate Professor, CSE

Ms. Praveena. V
Assistant Professor, CSE (AI and ML)

Ms. Sevanthi P
Assistant Professor, AI and DS

Who Can Attend ?

- Faculty Members of Engineering Colleges / Universities
- R&D and Industry Personnel
- Research Scholars, PG Students & UG Students

Registration Fee

IEEE Members / Host Institution : **Rs. Free**

Non – IEEE Members / Others : **Rs. 200/-**

For registration please refer the following link:

🔗 https://forms.gle/jcd7BjaQuaeq7zMz8

(Or)

Scan Here

Seats are limited and the registration will be on first come first served basis

Important Dates:

Last Date for Registration : 25.02.2024

Date of Intimation of Acceptance : 26.02.2024

Account Details

Account Name: PIXELS
Account No.: 20061356638
Bank Name: Indian Bank
Branch: S. A. Engineering College Branch
IFSC Code: IDIB000C571

Selection Process

On first come and first serve basis first 50 participants will be selected and intimated through email.

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S.A. ENGINEERING COLLEGE

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