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

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

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

In association with

Institutions Innovation Council, SAEC

IEEE CS Madras Chapter & IEEE PCS Madras Chapter

Organizes

National Seminar

on

Design Thinking and Innovation

23th February 2024

CREATIVE
INSPIRATION
IDEAS

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 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 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 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 (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/

Overview of the Seminar

Nowadays, many companies are using the Design Thinking concepts to give innovative solutions to their customers. Design thinking is a human-centered approach to innovation and problem-solving that emphasizes understanding the needs of users, challenging assumptions, and generating creative solutions. It involves several stages such as empathizing with users, defining the problem, ideating solutions, prototyping, and testing. Through hands-on projects and case studies, participants learn to apply design thinking methodologies and techniques to tackle complex problems effectively.

Objectives of the Seminar

- To understand user needs, challenges, and preferences
- To identify and define complex problems and formulate innovative solutions and to generate a wide range of ideas and solutions through brainstorming and ideation sessions.
- To create prototypes quickly and iterate on them based on feedback from users, enabling rapid validation of ideas.
- To continually redesign and improve the solutions based on feedback and testing.

Outcomes of the Seminar

empowers participants with a versatile skill set and mindset that prepares them to tackle complex, real-world challenges creatively, ethically, and collaboratively.

Session Details

	Time	Topic
Session 1	(10 am to 11.15 am)	Design Thinking for Innovation
Session 2	(11.30 am to 12.45 pm)	Design Thinking Concepts

About Speaker

Dr. V. Murali Bhaskaran
Dean - Academics, Professor in CSE
Rajalakshmi Engineering College

Dr. V. Murali Bhaskaran, Dean - Academics and Professor in Computer Science and Engineering, Rajalakshmi Engineering College, is having more than 30 years of academic career in teaching, research and administration in Engineering institutions. He obtained his B.E. Degree in Computer Science and Engineering from Bharathidasan University, Trichy in the year 1989, M.E. (University 3 rd Rank holder) and PhD degrees in Computer Science and Engineering from Bharathiar University, Coimbatore in the year 2000 and 2008 respectively. He has guided 19 PhD scholars, currently guiding 3 research scholars and published more than 50 papers in Journals and Conferences in National and International level. He received financial grant amount of Rs. 30 lakhs from various funding agencies.

His areas of interest include Design thinking, Computer Architecture, Operating Systems Network Security, Information Security, etc. He is a Fellow member in Institution of Engineers India(IEI), Kolkota, Member in ACM, Life Member in Indian Society for Technical Education (ISTE), New Delhi, Life Member in Computer Society of India (CSI), Mumbai, and Life Member in Advanced Computing and Communications Society(ACS), Bangalore. He is an a active Management committee member and treasurer for CSI Chennai chapter He has received Best Teacher Award at Kongu Engineering College, Erode, 2002, Best Paper award in ISAHUC'06, a coloacted the 14th International conference on ADCOM 2006 at NIT, Surathkal 2006, Best Paper award in ICCIIS '07 at TCE, Madurai 2007, Best Engineer Award-Academy from Institution of Engineers (India) Salem Chapter, 2017, Best Research Guide Award from The Society for Educational and Entrepreneurship Development (SEED), Chennai, 2017, Outstanding Dean in Higher education awards from ELETS Higher Education Submit 2022, outstanding leadership award from EGN India by Study 'n' learn, 2023

Organizing Chairs

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

Dr. K. Dinakaran
HoD, AI and DS

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. Balakrishnan C
Associate Professor, CSE

Mr. G.Muthu Kumar
Assistant Professor, AI and DS

Ms. Lakshmi Priya S
Assistant Professor, CSE (AI and ML)

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/PmRnzNs6CmXZrEes8**

(Or)
Scan Here

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

Important Dates:

Last Date for Registration : **21.02.2024**
Date of Intimation of Acceptance : **22.02.2024**

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
Thiruverkadu Post, Chennai - 600 077.
Poonamallee-Avadi Main Road,
Ph:044-2680 1999, 2680 1499.

🌐 WWW.SAEC.AC.IN

 saec.ac.in   saec_autonomous

 S.A. Engineering College   @dev_saec

CONTACT DETAILS
Mr. Balakrishnan C - +91 98411 99597
Mr. G.Muthu Kumar - +91 80560 38157
Ms. Lakshmi Priya S - +91 95661 06182