



Sri
SAIRAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru. www.sairamce.edu.in

NEWSLETTER



2025-2026



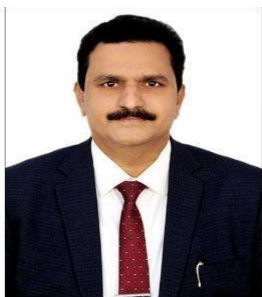
**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

Volume 1 Issue 1

About SSCE

Sri Sairam College of Engineering, formerly Shirdi Sai Engineering College, Bengaluru, established in the year 1997 by MJF Ln Leomuthu, Founder Chairman of Sapthagiri Educational Trust, is a non-profitable and non-minority institution. Located within the Bengaluru city limits, Sairam College is an inspirational place to study in which everything from classrooms to laboratories, hostels to cafeterias is modernized with state-of-the-art infrastructure. The labs and other facilities are among the best in the region, making it one of the most sought-after institutions by parents and students.

The ultra-modern computer labs with the latest software and hardware, and techno-visionary innovative centre make the institution a learning heaven for enthusiastic young engineering aspirants. ICT-enabled classrooms and work areas are well furnished and equipped with modern up-to-date facilities.



Dr. B Shadakshrappa
Principal

Institution Vision

To emerge as a “center for excellence” offering technical education and research opportunities of very high standards to students, develop the total personality of the individual, instill high levels of discipline, and strive to

set global standards, making our students technologically superior and ethically strong.

Mission of the Institute

We dedicate and commit ourselves to achieve, sustain, and foster unmatched excellence in Technical Education.

To this end, we will pursue continuous development of infrastructure and enhance state-of-the-art equipment to

provide our students a technologically up-to-date and intellectually inspiring environment of learning, creativity, innovation, and professional activity, and inculcate in them ethical and moral values.

About the Department



Dr. Smitha J A M.E, Ph.D MISTE, MIE
Professor and Head

The Department of Computer Science and Engineering in Sri Sairam College of Engineering, formerly Shirdi Sai Engineering College, was established in the year 1997–1998 (with an intake of 40 students).

The department offers B.E. degree programmes in Computer Science and Engineering, which are affiliated with Visvesvaraya Technological University. The Department has an excellent track record of organizing various workshops and conferences in areas of emerging technologies, and facilities are encouraging students to do innovative projects. The faculty members are highly motivated and devoted to delivering the highest quality professional education to students, combined with a strong teaching-learning process including ICT-enabled classrooms. The placement record of the department has always been impressive.

Department Vision

Transform students into professional, ethical engineers to meet global challenges through quality education.

Department Mission

- To impart quality education in Computer Science and Engineering with strong industry-institute partnership to develop technical & research skills.
- Enrich the technical ability of students to face the world

with confidence, commitment, and teamwork in the IT field.

- Provide a learning platform for interdisciplinary innovation, research, and self-learning.
- Encourage faculty and students to actively participate in holistic educational practices and to impart social values.

Department Highlights The department has 120 intakes, considering all the technical quality and facilities provided by the management. The department is strengthened with 23 faculties, out of which 4 are doctorates, 11 are pursuing Ph.D.,

Program Educational Objectives (PEOs)

PEO 1	Graduates of the program can be an eminent Engineering Professional to engage in professional activities, commit to team work and adapt to an ever changing global technical environment.
PEO 2	Graduates can have effective oral and written communication of technical and managerial information to analyze and solve Computer Science and Engineering problems through the fundamental knowledge of Maths, Science and Engineering.
PEO 3	Graduates are able to design and develop innovative solutions for real life problems in the Computer Science and Engineering field and related domains.

Program Specific Outcomes (PSOs):

PSO-1	The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, networking and embedded computing, web design, and data analytics for efficient design of computer-based systems.
PSO-2	The ability to understand the evolutionary changes in computing technologies, apply standard practices and strategies in software project development and testing using various programming environments to deliver a quality product for business, real world problems and meet the challenges of the future.

PROGRAM OUTCOMES (POs)

P01	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
P02	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
P03	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
P04	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions
P05	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
P06	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
P07	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
P08	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

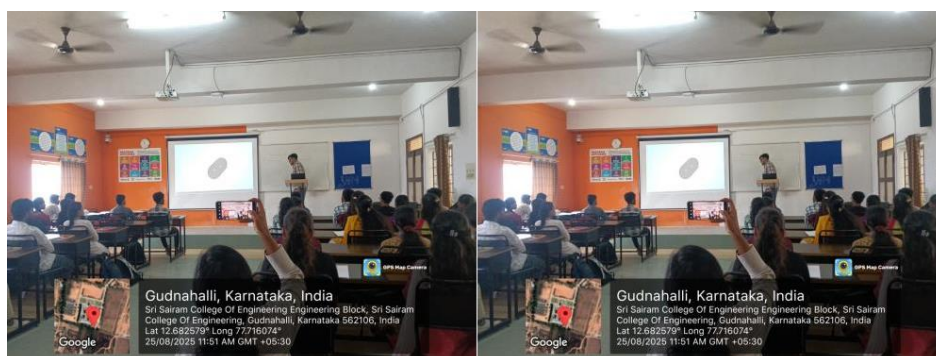
P09	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
P010	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
P011	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
P012	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

ODD SEM 2025-26

SEMINAR ON IOS APP DEVELOPMENT



The CODE Club and M-App Club of the Department of Computer Science and Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru, organized a one-day seminar on “iOS App Development” on 25th August. The seminar was delivered by Mrs. Yamuna Arun, Sniper Systems & Solutions Pvt. Ltd., Bangalore, who shared valuable insights into the fundamentals of iOS application development, mobile app design principles, development tools, and industry trends. The session provided students with an understanding of the iOS ecosystem, app development frameworks, and career opportunities in mobile application development. Participants actively engaged in the interactive discussions and gained practical knowledge about creating innovative and user-friendly mobile applications. The seminar successfully enhanced students’ technical skills and encouraged them to explore opportunities in the rapidly growing field of mobile app development.





2. WORKSHOP ON AGILE TECHNOLOGY



The Department of Computer Science and Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru, in association with the IEEE Computer Society, organized a workshop on “Agile Technology” on 7th October 2025. The workshop was conducted to provide students with an understanding of Agile principles, methodologies, and industry best practices used in modern software development. The session was delivered by Prof. Radhika R., S.E.A College of Engineering and Technology, Bengaluru, who explained key Agile concepts such as Scrum, iterative development, teamwork, continuous improvement, and project management techniques. The workshop enabled participants to gain practical insights into Agile frameworks and their applications in real-world software projects. Students actively participated in discussions and activities, making the event highly interactive and beneficial for enhancing their professional and technical competencies.



WORKSHOP ON INTELLIGENCE BY DESIGN: DEVELOPING AI MODELS



Sri SAIRAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru. www.sairamce.edu.in



ADVAITA UNITED WE STAND

Accredited by




Ranked in





Department of Computer Science and Engineering
In Association with IEEE Computer Society

organizes

a workshop on

Intelligence by Design: Developing AI Models

11.10.2025 | 9 A.M - 4 P.M | CSE LAB

Coordinators:

Dr.P.Sumathi , Associate Professor
Prof. Rizvana M, Assistant Professor



Chief Guest

Dr.M.Senbagavalli
Associate Professor,
Alliance School of Advanced Computing,
Alliance University, Bengaluru.

Dr. Smitha J A
HOD,CSE

Dr. B. Shadaksharappa
Principal

Dr. Sai Prakash LeoMuthu
Chairman & CEO,
Sairam Institutions







The Department of Computer Science and Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru, in association with the IEEE Computer Society, organized

a **one-day workshop on “Intelligence by Design: Developing AI Models”** on **11th October 2025** at the CSE Lab. The workshop aimed to provide participants with a comprehensive understanding of Artificial Intelligence model development, covering key concepts such as data preparation, machine learning techniques, model training, evaluation, and real-world AI applications. The session was delivered by **Dr. M. Senbagavalli, Associate Professor, Alliance School of Advanced Computing, Alliance University, Bengaluru**, who shared valuable insights into the latest advancements and best practices in AI development. The workshop enabled students to gain practical knowledge and hands-on exposure to AI technologies, fostering innovation and enhancing their problem-solving skills. The interactive sessions and expert guidance made the event highly informative and beneficial for aspiring AI professionals.



WORKSHOP ON INTELLIGENCE BY DESIGN: DEVELOPING AI MODELS





SEMINAR ON BIG DATA ANALYTICS TOOLS



Sai Sairam
COLLEGE OF ENGINEERING
Anekal, Bengaluru. www.sairamce.edu.in



COMPUTER SCIENCE & ENGINEERING
Sairam College of Engineering



INSTITUTE OF TECHNICAL EDUCATION
ISTE

Accredited by



NATIONAL BOARD
OF ACCREDITATION
(CSE & ECE)

Accredited by



NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

Ranked in



DIAMOND
CS I-GAUGE



Sairam
INSTITUTIONS

**Department of Computer Science and Engineering and
ISTE Chapter**

Organizes
One day Hands-On Session on

BIG DATA ANALYTICS TOOLS

On 4th November 2025
Venue: Seminar Hall

Coordinators:
Dr. Karthika K, AP/CSE
Prof. Valarmathi C, AP/CSE



Resource person:
Mr Sakthivel A
Project Manager
HCL Technology, Chennai



Dr. Smitha J A
HOD,CSE

Dr. B. Shadaksharappa
Principal

Dr. Sai Prakash LeoMuthu
Chairman & CEO,
Sairam institutions




The **Department of Computer Science and Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru**, in association with the **ISTE Chapter, CODE Club, and M-App Club**, organized a **one-day hands-on session on “Big Data Analytics Tools”** on **4th November 2025** at the Seminar Hall. The session was conducted by **Mr. Sakthivel A, Project Manager, HCL Technologies, Chennai**, who provided participants with practical exposure to modern big data analytics tools and techniques used in industry. The resource person explained key concepts of big data processing, data management, analytics frameworks, and real-world applications of data-driven decision-making. Through interactive demonstrations and hands-on activities, students gained valuable insights into the tools and technologies used for handling large-scale data. The program successfully enhanced participants’ technical knowledge and analytical skills, preparing them for emerging opportunities in the field of data science and big data analytics.



WORKSHOP ON RESEARCH METHODOLOGY







Department of Computer Science and Engineering

Organizes One day seminar on

Research Methodology

NOVEMBER 13th 2025

Event Coordinators:
T Nithya Kalyani AP/ CSE
C Saranya AP/CSE



Resource Person:

Dr.Santhosh Krishna B V
Associate Professor
Computer Science and Engineering
New Horizon College of Engineering

Dr. Smitha J A
HOD,CSE

Dr. B. Shadaksharappa
Principal

Dr. Arun Kumar R
COO, Sairam institutions

WORKSHOP ON GREEN AI SKILLS WITH CASE STUDIES



**Sri SAIRAM**
COLLEGE OF ENGINEERING
Anekal, Bengaluru. www.sairamce.edu.in

CAR
IN ASSOCIATION WITH
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ORGANIZES
**5 DAYS WORKSHOP ON
GREEN AI SKILLS WITH
CASE STUDIES**
A CSR INITIATIVE OF SHELL
CONDUCTED BY EDUNET
RESOURCE PERSONS

**MR. RAGHUNANDAN M S**
MASTER TRAINER
COORDINATORS
DR SUMATHI P , CSE
PROF. SHOBA V , CSE

**MR. SANJAY S C**
MASTER TRAINER
9TH TO 13TH DECEMBER,
2025, SSCE

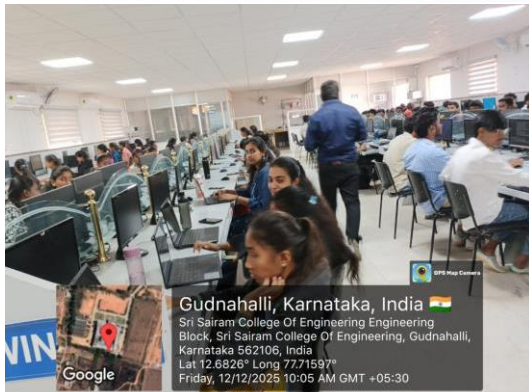
**MR. RANJIT PRASATHSIVAKUMAR**
MASTER TRAINER


Dr. Smitha J A
HOD, CSE

K.V. Malini
Prof & Head
(CAR)

Dr. B. Shadaksharappa
Principal

Dr. Sai Prakash LeoMuthu
Chairman & CEO,
Sairam institutions



HANDS-ON TRAINING ON "SKY BUILDER: NEXT-GEN UAV INTELLIGENCE & EMBEDDED ENGINEERING"

**Sri SAIRAM**
COLLEGE OF ENGINEERING
Anekal, Bengaluru. www.sairamce.edu.in



Coe- Drone & Innovation Technology

organizes
In Association with CSE, EEE & CSE(IoT)

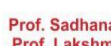
2Days Hands on Workshop for

"Sky Builder: Next-Gen UAV Intelligence & Embedded Engineering"

Date: 1st & 2nd December 2025

Resource Person

**Mr. P. Surender**
Manager, Aeroknotz pvt Ltd India,
Chennai

**Prof. Sadhana R. (CSE)**
Prof. Lakshmi. K (EEE)
Dr. Martin Joel Rathnam (CSE IoT)
Dept. Coordinators

Dr. Smitha J
HOD, CSE

Dr. B. Shadaksharappa
Principal

Dr. S.Sujatha
HOD, EEE

Dr. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions

Dr. Vinola
HOD, CSE (IoT)





The Sri Sairam College of Engineering, Anekal, through its Coe- Drone & Innovation Technology and in association with the CSE, EEE, & CSE(IoT) departments, successfully organized a 2-Day Hands-on Workshop titled "Sky Builder: Next-Gen UAV Intelligence & Embedded Engineering." Held on the 1st and 2nd of December 2025, the workshop featured Mr. P. Surender, Manager at Aeroknotz Pvt Ltd India, Chennai, as the expert resource person. The event was meticulously coordinated by faculty members Prof. Sadhana R (CSE), , under the leadership of respective HODs Dr. Smitha J. Key institutional support for this forward-looking technical initiative was provided by Principal Dr. B. Shadaksharappa and Chairman & CEO of Sairam Institutions, Dr. Sai Prakash LeoMuthu.



Faculty Participation

(Technical Paper Presentation / Workshop / Seminar Report)

Sl. No	Name of The Staff	Designation	Title of the paper National/ International publications/Book Publication/Patent Publication/Scopus/UGC Publication
1.	Dr.B.Shadaksharappa	Principal	Cloud-Enabled AI Systems for Sustainable Industrial energy and Emission Reduction
			Navie Bayes Classifier for Prostate Cancer Risk Prediction using Patient Records
			The Impact of Machine learning Anomaly based Network Intrusion Detection system in AI Era
			A Novel Approach on role of Deep hybrid model for detection of Psoriasis in Adult
			Book-Introduction to AI & Application
			Book-The AI Playbook for Theory and Application
			Book-Organoid Intelligence
			Book-IOT-Architecture
2.	Dr.Smitha J A	Professor/ HOD	Patent-AI Based Device for skin cancer Detection
			An overview of Forecasting Techniques in Forex Markets: from Traditional to Modern Approaches
			An Adaptive Promiscuous Mode-Oriented watchdog Mechanism with a Route Rater for secure and reliable route identification in VANETs
			The Impact of Machine learning Anomaly based Network Intrusion Detection system in AI Era
			A Novel Approach on role of Deep hybrid model for detection of Psoriasis in Adult
3.	Dr.Mahesh A	Professor	A novel Block chain-Based Framework for Decentralized Medical Records Management

			Government Funds Monitoring System
			AI-Driven Public Health Chatbot for disease Awareness
			AI Enhanced Ultrasonic Radar
			Pothole Detection & Monitoring System
			AI-Powered Diet Management for Ayurvedic Practice
			Book-Machine Learning
4.	Dr. P.Sumathi	Associate Professor	AI-based Development on Laser Based QR Code marketing on Track Fitting on Indian railways
			Patent-Cloud Storage Device Using Hybrid Cryptography
			Deep fake detection using deep learning
			Book-Machine Learning
			Book-Software engineering and project management
5.	Prof.Reji Thomas	Assistant Professor	Green sentry- Weather App
6.	Dr.C.Valarmathi	Assistant Professor	IoT based Real-Time Smart Kitchen Automation and Monitoring System Prototyping with Arduino
			Patent-IoT Device for Early Detection of Diabetic Foot Complications
			Book-Machine Learning
7.	Prof. Saranya C	Assistant Professor	Smart Waste Segregation System
			Virtual GYM training using CNN
8.	Prof. Suguna A	Assistant Professor	"Predicting Asthma Exacerbations Using IoT Sensor Data and Stacked Machine Learning Models"
9.	Dr.V.Yamuna	Assistant Professor	AI powered Android Application for fruit and Vegetable
			AI frame work for integrated Research paper summarization, Integrity Aalysis and quality Assurance
			Mobile application for efficient lost and found item management
10.		Assistant Professor	XAI powered resume fuard detection
			Interview

	Prof.Amsa lakshmi		Interprep AI-based interview coach
			Smart waste management system using Blynk
			Online voting system
			Holography Revolution 3D Visualization
11.	Prof.Nithya Kalyani	Assistant Professor	Quad Chess:Redefining strategy with a 4-player chess approach
			Agentic Abuse Prevention in AIDriven healthcare decision support system
12.	Dr.K. Karthika	Associate Professor	Customized Nutrition Recommendation with personalized Health profile
			Bridging Biology and computation:The rise of Organoid Intelligence in sustainable computing andNeuroscience
			EMG – based control system for a low cost Prosthetic Arm
			Smart Network based automation software deployment for Multi sytem lab environment
13.	Prof.M.Rizvana	Assistant Professor	Patent-Cloud Storage Device Using Hybrid Cryptography
			AI Translator:Speech and text translationWeb App
			Certificate management system
			Eye and Facial Movement-Based Communication system using Dwell time selection and word prediction
			Pancreatic cancer detection using Machine learning Algorithm.
			Smart contract based Agricultural food chain trace ability
14.	Prof.Sadhana R	Assistant Professor	Book-Software engineering and project management
			Patent-Smart Hospital Bed And Patient Monitoring Interface Device With IoT Sensors
			Plant Leaf Disease Detection using Efficient Net Asynchronous Propagation Penalized Neural Network with Planet Optimization Algorithm in Proceedings of the International Conference on Machine Learning and Autonomous Systems (ICMLAS-2025) IEEE Xplore Part Number: CFP258A9-ART; ISBN: 979-8-3315-0574-5.
15.	Prof.Shyji Elias	Assistant Professor	Book-Software engineering and project management
			Patent-Cloud Storage Device Using Hybrid Cryptography
			Resume Analyser using NLP to Match Job description
			Unified Virtual workspace

			Image Denoising for gaussian noise reduction in bionics using DWT Technique
			Book-Machine Learning
16.	Prof. Elakya	Assistant Professor	Book-Software engineering and project management
			Customized Nutrition Recommendation with personalized Health profile
17.	Prof.R.Vasugi	Assistant Professor	Customized Nutrition Recommendation with personalized Health profile