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 classroom to laboratories, hostel to cafeteria 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 student.

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

Dr. B Shadakshrappa
Principal, SSCE

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 and still high levels of discipline and strive to set global standards, making our students technologically superior and ethically.

About Department

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 intake of 40 students).

Dr.P.Bindhu Madhavi
Prof & Head

The department offers B.E. degree programmes in Computer Science and Engineering which are affiliated to Visvesvaraya Technological University.
The Department has an excellent track record of organizing various workshops and conferences in areas of emerging technologies and faculties are encouraging students to do innovative projects.
The faculty members are highly motivated and devoted to deliver the highest quality professional education to students and combined with strong teaching learning process including ICT enabled classrooms. The placement record of the department had 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 the strong industry institute partnership to develop technical & amp; research Skills.

- Enrich the technical ability of students to face the world with confidence, commitment and team-work 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

Vision of the Institute

To emerge as a **"centre for excellence"** offering technical education and research opportunities of very high standards to students, develop the total personality of the individual and still high levels of discipline and strive to set global standards, making our students technologically superior and ethically strong, who in turn shall contribute to the advancement of society and human kind.

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 technological up-to-date and intellectual inspiring environment of learning, creativity, innovation and professional activity and inculcate in them ethical and moral values.

Vision of the Department

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

Mission of the Department

M1. To impart quality education in Computer Science and Engineering with the strong industry institute partnership to develop technical & research skills.

M2. Enrich the technical ability of students to face the world with confidence, commitment and team-work in IT field.

M3. Provide a learning platform for interdisciplinary innovation, research and Self-learning.

M4. Encourage faculty and students to actively participate in holistic educational practices and to impart social values.

Program Educational Objectives (PEOs)

PEO 1	Graduates develop knowledge in the core areas of Computer Science Engineering and enhance technical and research skills for providing software solutions
PEO 2	Graduates will pursue technical and managerial skills to analyze and develop problem solving abilities of Computer Science and Engineering through Mathematics, Science and Engineering to encounter industrial needs.
PEO 3	Graduates develop effective communication and management skills to interact effectively with stakeholders in the field of Computer Science Engineering and develop innovative solutions for real time problems.
PEO 4	Graduates with Lifelong learning demonstrate skills and knowledge in the domain of computer programming and exhibit leadership qualities, team work, social and ethical values.

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)

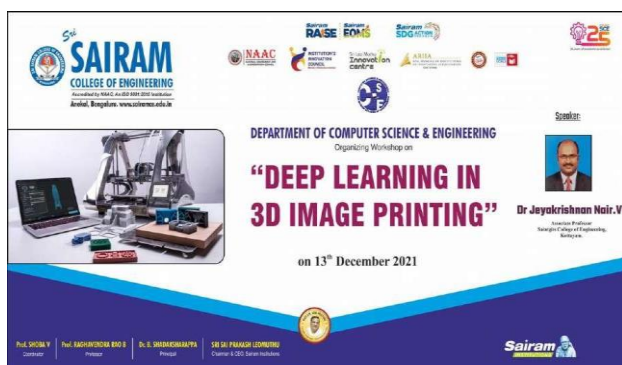|	
PO1	**Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	**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.
PO4	**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
PO5	**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.
PO6	**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.
PO7	**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.
PO8	**Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	**Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	**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.
PO11	**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.
PO12	**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.

Mrs. T.Sudha, IT Consultant, TCS, Chennai has given a webinar titled on "Recent trends in Big data and Artificial Intelligence on 10/01/2022

Sri Sairam College of Engineering, Bengaluru, under the department of CSE in collaboration Unlock your Emotional Wellbeing" on 25th June 2021

Department of Computer Science and Engineering, SSCE in association with Ananvaya Club Organized a Seminar on "Deep Learning in 3D Image Printing" on 13th December 2021
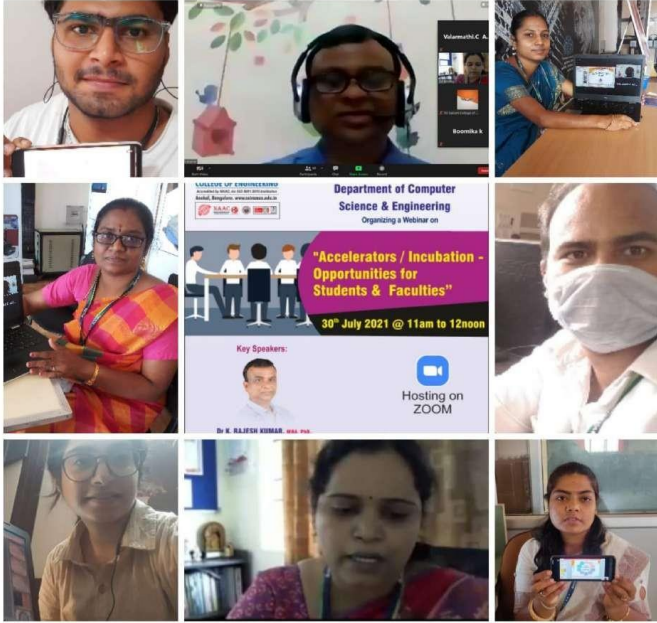

Dept. of CSE faculty members attended the session on "National Webinar on Research, Innovation, and Ranking" on 11th August as part of the one-year celebration of National Education Policy 2020 (NEP 2020) organized by MoE's Innovation Cell and AICTE.

Department of CSE in association with the Institution's Innovation council, Sri Sairam College of Engineering, Bangalore conducted a webinar on "Technology and Innovations for Sustainable Development" on 03.08.2021

Department of CSE along with the Institution's Innovation council, Sri Sairam College of Engineering, Bangalore organized a webinar on "Accelerators/Incubation opportunitiesfor students and Faculties " on 30.07.2021.

Funded projects

Mrs Shoba V has received Rs. Rs.5000/-for the project titled on "Diabetic Retinopath detection using SVM '' from Karnataka state council for Science and technology in the year 2021.

Dr.B.Shadaksharappa , Mrs. C. Sharon Roji Priya has received Rs.3,000 for the project titled "Efficient masked face recognition method during the COVID-19 pandemic" from Karnataka state council for Science and technology in the year 2021.

Student Toppers List

1st Year toppers

II YEAR TOPPER		
1SB20CS051 KAVYA M N 8.99	1SB20CS113 UMME KULSUM 8.82	1SB20CS022 CHAITHRA C 8.55

2nd Year Toppers

III YEAR TOPPER		
1SB19CS101 SHARANYA S 9.12	1SB19CS015 BHAVYA JHA 8.95	1SB19CS046 K BHAVYASHREE 8.89

3rd year Toppers

IV YEAR TOPPER		
1SB18CS086 THEJAS GOWDA A 8.95	1SB18CS045 MANJUSHREE N 8.94	1SB18CS020 GEETHA P U 8.85

Final Year Toppers

I YEAR TOPPER		
1st TOPPER	2nd TOPPER	3rd TOPPER
1SB21CS068 MUNESHKUMAR R 9.37	1SB21CS067 MOUNICCA R 9.37	1SB21CS111 SUSHMA M 9.35

Patent Filled

1. Dr.B.Shadaksharappa, Mr.P.Ramkumar has filed a patent on Novel Approaches of identification of Tangent and Normal of Hyperbola dt:17/12/2021 with Application Number: 202141057638A

2. Dr.B.Shadaksharappa.et.al has filed a patent on Augmented Reality in the training process of children with

hearing disorders dt:31/12/2021 with Application Number: 202141059634A

Paper Presentation:

1. All CSE staff members have presented a paper in ISTE faculty convention which was held on 21st july 2022

2. Mr.P Ramkumar has published a paper titled on "A Study of CNN Based Brain Tumor Detection Using Deep Learning" on 01.05.2021 in the journal Annals of Romanian Society for cell biology

3. Mr.P.Ramkumar has published a paper titled on "A Hierarchical Machine Learning Frame Work to Classify Breast Tissue for Identification of Cancer 12/11/2021 in Proceedings of the 11th International Conference on Computer Engineering and Networks, Springer nature, 504-515

4. B Shadaksharappa, P Ramkumar has published a paper titled on "Epileptic seizure Classification using EEG Signal" in 2021 4th International Conference on Computing and Communications Technologies (ICCCT),IEEE,16.12.2021

5. Mr.P Ramkumar has published a paper titled on "Detection of Disease of Tomato Plant Based on Convolution Neural Network" in 2021 4th International Conference on Computing and Communications Technologies (ICCCT),IEEE,16.12.2021

6. Mr.P Ramkumar has published a paper titled on "Social impact on online classes during lockdown" Ijaiire

7. Dr. T.N. Prabakar, Dr. B. Shadaksharappa, Mr.P Ramkumar has published a paper titled on "Prediction of diabetic diseases using data analysis" on 2022 in International Journal of Health sciences

8. Dr. B. Shadaksharappa, Dr. T.N. Prabakar, Mr.P Ramkumar has published a paper titled on "A Noval Approach to Measure the Progress of Pterigium From the Diagnosed Eyes'' on 2022 in International Journal of Health sciences

9. Mr.P Ramkumar has published a book chapter titled on "investigation of deep fake images using pre-trained CNN frameworks" on 2022 in IGI Global for the book Forensic Investigation Through Deep Learning and Machine Learning

10. Mr.P Ramkumar has published a paper titled on "Genome-wide autism prediction" in IOP Conference Proceedings on 26.05.20

11. Mr.P Ramkumar has published a paper titled on "Meta-Heuristic Based Deep Learning Model for Leaf Diseases Detection" in Neural Processing Letters on 17th june 2022.

12. Sowmya K, Sumanth, harsha P.H, Yashaswini S has presented a paper at Adhiyamaan College of Engineering college in the year 2021.

Book Published :

1. Dr. B.Shadaksharappa,Mr. P.Ramkumar, Dr. R.Balakrishna has published a book titled on Python Programming and its Applications in Book River Publications

2. Dr. B.Shadaksharappa,Mr. P.Ramkumar, Dr. T.N. Prabakar has published a book titled on "Data warehousing and Data mining" in Book River Publications

3. Dr. B.Shadaksharappa,Mr. P.Ramkumar, has published a book titled on "Problem solving techniques through Programming" in Book River Publications

Placement details
The 65 students have placed in Various companies

S.No	Name of the Student	USN	Name of the Employer	College Reference
1	Chandana	1SB18CS001	Quest Global	SSCE/TAP/OL/2021-22/CSE/001
2	Aankita Das	1SB18CS003	Accenture	SSCE/TAP/OL/2021-22/CSE/002
			Cognizant	SSCE/TAP/OL/2021-22/CSE/003
			TCS	SSCE/TAP/OL/2021-22/CSE/004
3	Aman Kumar	1SB18CS004	MSG Global	SSCE/TAP/OL/2021-22/CSE/005
4	Aman Prabhat	1SB18CS005	WIPRO	SSCE/TAP/OL/2021-22/CSE/006
			TCS	SSCE/TAP/OL/2021-22/CSE/007
5	Ashwini	1SB18CS005	WIPRO	SSCE/TAP/OL/2021-22/CSE/008
6	Asha	1SB18CS006	Quest Global	SSCE/TAP/OL/2021-22/CSE/009
7	Bharath N	1SB18CS008	6D Technologies	SSCE/TAP/OL/2021-22/CSE/010
			WIPRO	SSCE/TAP/OL/2021-22/CSE/011
8	Chelsea	1SB18CS009	Hexaware	SSCE/TAP/OL/2021-22/CSE/012
9	Deepa M	1SB18CS012	MSG Global	SSCE/TAP/OL/2021-22/CSE/013
10	Disha N	1SB18CS016	Capgemini	SSCE/TAP/OL/2021-22/CSE/014
			Hexaware	SSCE/TAP/OL/2021-22/CSE/015
11	Divya R	1SB18CS017	Cognizant	SSCE/TAP/OL/2021-22/CSE/016
12	Divya Shree	1SB18CS018	Hexaware	SSCE/TAP/OL/2021-22/CSE/017
13	Garima Arora	1SB18CS019	MSG Global	SSCE/TAP/OL/2021-22/CSE/018
14	Geetha P U	1SB18CS020	Accenture	SSCE/TAP/OL/2021-22/CSE/019
15	Gurumurthy	1SB18CS022	Hexaware	SSCE/TAP/OL/2021-22/CSE/020
16	Harish B	1SB18CS023	Cognizant	SSCE/TAP/OL/2021-22/CSE/021
17	Harish S K	1SB18CS025	Cognizant	SSCE/TAP/OL/2021-22/CSE/022
18	Indradhanush B	1SB18CS027	MSG Global	SSCE/TAP/OL/2021-

Editorial Board

2021-2022	Jan-Dec	"Advaya21" 2021-2022Vol-1_Issue1	Prof. Raghavendra Rao Prof. Reji Thomas Prof. Mala B A	Sri Sairam College Of Engineering , Anekal