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Affiliated to Visvesvaraya Technological University, Belagavi
Accredited by NAAC ISO 9001:2015 Certified Institution

Department of Computer Science & Engineering

2020-2021

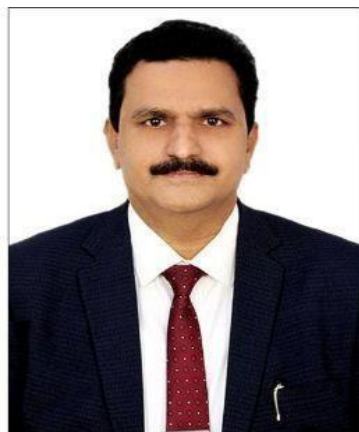
SAIADVAYA

Volume 2 Issue 2

About Sri Sairam College of Engineering

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 centre 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 Shadakshrapa,
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. G.MANJULA,
Head of Dept. CSE

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.

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. |

Department Mission

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

Student Achievement

Mr Sujay(CSE) and Mr Santosh(CSE) participated in the INNOVATION FESTIVAL PROGRAMME 2019 organized by VISVESVARAYA INDUSTRIAL & TECHNOLOGICAL MUSEUM from National Council of Science Museums, Ministry of Culture, Government of India and bagged the certificate and cash prize for the project named NECK MOVEMENT WHEELCHAIR



Computer science & Engineering department, Sri Sairam College of Engineering, Anekal, Bangalore in association with WISSENQUELLE ROBOTICS organized a 5 days Android app development workshop from 28-02-2019 to 04-03-2019.



5 days VR AND AR WORKSHOP organized by CSE department along with mixed media labs from 14-03-2019 to 18-03-2019



Arduino workshop organized by Computer science & Engineering department, in association with SRISHA ROBOTIC ACADEMY from 21-03-2019 to 25-03-2019



Dr.Manjula G ,received a National award of Excellence || Adarsh Vidya Saraswati Rashtriya Puraskar|| from Global Management Council on 15th Aug 2019



1. Our Faculty Dr. Manjula G Nominated as Member of our Editorial Board of || Glacier Journal of Scientific Research || with Impact factor: 2.7614 of ISSN: 2349-8498
2. Prof. Raghavendra Rao from the department of computer science has published a book chapter in the title of -Deep Belief Network Based Healthcare Monitoring System in IoMT || in Springer.
3. Prof. Lorate Shiny from the department of computer science has published three Scopus Indexed Journals in academic Year of 2019-2020 as follows.
4. Robotic Surgery, ISSN: 2249 – 8958, Volume-8 Issue-6S2, August 2019.
5. Energy Balance Analysis—An Impact of Temperature Variation in Unified Hydrogen Based Opto-Source, Copyright © 2019 American Scientific Publishers All rights reserved Printed in the United States of America Journal of Computational and Theoretical Nano-science Vol. 16, 1–5, 2019.
6. Non integer order PID controller tuning using grey wolf optimization method for Sea Water Reverse Osmosis Desalination process, International Journal of Control and Automation Vol. 13, No. 2s, (2020), pp. 282-291

Paper presentation (2020-2021)

1. M. Lorate Shiny has published a paper titled on “Integrated Crop Protection Management” in the journal of Sambodhi with ISSN: 2249-6661i
2. Mr.P Ramkumar has published a paper titled on “Real time Path planning using intelligent transportation system for Hybrid VANET” in the academic year 2020-2021 in IEEE Conference with ISSN : 978-1-7281-1101-8
3. B Shadaksharappa, P Ramkumar has published a paper titled on “Classification of corona virus(COVID -19) using images by Machine Learning” in International Journal of Grid and Distributed Computing with ISSN: 2005-4262 in the academic year 2020-2021.
4. N.R.P.Nivetha, has published a paper titled on “Energy And Efficient Deep Packet Inspection For Advanced Cloud Outsourced Middlebox” in International Journal of Scientific & Technology Research with ISSN: 4262 IJGDC,in the academic year 2020-2021
5. Dr B.Shadaksharappa has published a book chapter titled on “Education System” in ESN PUBLICATIONS INDIA with ISBN: 978-81-950305-7-6,in the academic year 2020-2021
6. Dr B.Shadaksharappa has published a book chapter titled on “IOT,AI and Machine LEARNING” in ESN PUBLICATIONS INDIA with ISBN: 978-81-950423-5-7,in the academic year 2020-2021
7. Dr B.Shadaksharappa has published a book chapter titled on “Recent Trends on Multidisciplinary Research” in ESN PUBLICATIONS INDIA with ISBN: 978-93-90781-23-2,in the academic year 2020-2021
8. Dr B.Shadaksharappa has published a book chapter titled on “Trends and issues in Indian education” in Kanishka publishers,Distributerswith ISBN: 978-93-89484-52-6,in the academic year 2020-2021
9. P.Ramkumar, P Kalamani, C Valarmathi, M.Sheela Devi has published a paper titled on “An Effective Analysis of Data Clustering using Distance-based K-Means Algorithm in Journal of Physics: Conference Series 1979 (1), 012015 in the academic year 2020-2021
10. P Ramkumar, R Uma, S Usha, R Valarmathi has published a paper titled on “Real Time Path Planning using Intelligent Transportation System for Hybrid VANET” in 2020 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS) in the academic year 2020-2021
11. Dr B.Shadaksharappa, Dr.P.Bindhu Madhavi ,P.Ramkumar has published a paper titled on “Attack Prediction By Using Greedy Algorithm For Diminishing The Drop And Delay In Wireless Sensor Networks” on 04/11/2021 in Turkish Journal of Computer and Mathematics Education (TURCOMAT)
12. Dr P Bindhu Madhavi has published a paper titled on “Iot Based Intruder Detection Through Data Anlysis & Implementation For Atm” on 04/11/2021 in Turkish Journal of Computer and Mathematics Education (TURCOMAT)
13. Dr. G MANJULA , SOWMYA S R , LORATY SHINY and LAVANYA D has published a paper titled on “DYNAMIC SCENARIOS TRANSFORMATION IN SOFTWARE SYSTEM DESIGN USING ZEND FRAMEWORK” Journal of Tianjin University Science and Technology) with ISSN: 0493-2137 , Vol:54 Issue:04:2021

Book Published

1. Dr. B.Shadaksharappa,Mr. P.Ramkumar, has published a book titled on Self Learning Approaches of Operating System in Book River Publications
2. Mr. P.Ramkumar, Dr.R.Uma,Dr.R.Valarmathi,Dr.J.Anitha Ruth has published a book titled on “Programming With JAVA” in Book River Publications

Online Courses:



1. Dr.B.Shadaksharappa has completed a certification on Leadership and Emotional Intelligence in Course era in the year 2020
2. Dr.B.Shadaksharappa has completed a certification on AI for Everyone in Course era in the year 2020
3. Dr.B.Shadaksharappa has completed a certification on Data science Math skills in Course era in the year 2020
4. Dr.B.Shadaksharappa has completed a certification on The Aurdino Platform and C Programming in Course era in the year 2020
5. Dr.B.Shadaksharappa has completed a certification on Introduction to Virtual Reality in Course era in the year 2020
6. Dr.B.Shadaksharappa has completed a certification on Leadership and Emotional Intelligence in Course era in the year 2020

Events Organized

1. Sri Sairam College of Engineering, Bengaluru, under the department of CSE has organized NLP Workshop on 28th and 29th Dec 2020.
2. Sri Sairam College of Engineering, Bengaluru, under the department of CSE has organized Certificate Course on IoT Applications from 14/12/2020 to 16/12/2020.
3. Sri Sairam College of Engineering, Bengaluru, under the department of CSE has organized an Inter National webinar on design Problem Framing on 18th Nov 2020
4. Sri Sairam College of Engineering, Bengaluru, under the department of CSE has organized Big data webinar on 19th August 2020
5. Sri Sairam College of Engineering, Bengaluru, under the department of CSE has organized power launching webinar on 24th June 2020
6. Sri Sairam College of Engineering, Bengaluru, under the department of CSE has organized smarhacks 2020 on 17th feb 2020

7. Sri Sairam College of Engineering, Bengaluru, under the department of CSE has organized Vita day on 13th feb 2020
8. Sri Sairam College of Engineering, Bengaluru, under the department of CSE has organized IOC bridge course on 10th feb 2020

Student Topper List

| USN | Name | Photo |
|------------|-------------|---|
| 1SB20CS051 | KAVYA M N |  |
| 1SB20CS113 | UMME KULSUM |  |

List of placed Students

70 Students that had been placed in various companies.

| S.No | Name Of TheStudent | USN | Name of the Employer | College Reference |
|------|------------------------|------------|----------------------|-----------------------------|
| 1. | A Yuvashri | 1SB16CS001 | Fametronix | SSCE/TAP/OL/2019-20/CSE/001 |
| 2. | Ajith Kumar K | 1SB16CS005 | TCS | SSCE/TAP/OL/2019-20/CSE/002 |
| 3. | Akhila L | 1SB16CS006 | Palle Technologies | SSCE/TAP/OL/2019-20/CSE/003 |
| | | | 24.7 | SSCE/TAP/OL/2019-20/CSE/004 |
| 4. | Akshatha Ashoka Kasara | 1SB16CS007 | Mindtree | SSCE/TAP/OL/2019-20/CSE/005 |
| 5. | Akshaya Tr | 1SB16CS009 | Feenixtech | SSCE/TAP/OL/2019-20/CSE/006 |
| 6. | Amit Kumar | 1SB16CS011 | Fametronix | SSCE/TAP/OL/2019-20/CSE/007 |
| 7. | Anand G R | 1SB16CS012 | Feenixtech | SSCE/TAP/OL/2019-20/CSE/008 |
| 8. | Aneela | 1SB16CS013 | Palle Technology | SSCE/TAP/OL/2019-20/CSE/009 |
| 9. | Anees M | 1SB16CS014 | Fametronix | SSCE/TAP/OL/2019-20/CSE/010 |
| 10 | Angel J | 1SB16CS015 | Joules ToWatts | SSCE/TAP/OL/2019-20/CSE/011 |
| 11 | Arjun R | 1SB16CS017 | Palle Technologies | SSCE/TAP/OL/2019-20/CSE/012 |
| 12 | Ashish Kumar | 1SB16CS018 | Palle Technologies | SSCE/TAP/OL/2019-20/CSE/013 |
| | | | Feenixtech | SSCE/TAP/OL/2019-20/CSE/014 |
| | Ashutosh Kumar | 1SB16CS019 | Palle | SSCE/TAP/OL/201 |

Editorial Board

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|-----------|----------|---|---|---|
| 2021-2022 | Jan-June | “Advaya21” 2021-2022Vol- 2_Issue2 | Prof. Raghavendra Rao Prof. Reji Thomas Prof. C. Valarmathi | Sri Sairam College Of Engineering , Anekal |
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