SRI VENKATESHWARA
COLLEGE OF ENGINEERING

SRI VENKATESHWARA GROUP OF INSTITUTIONS

★ SVCE ★

SPANDANA
2019

ABOUT COLLEGE

VISION

To be a premier institute for addressing the Challenges in global perspective.

MISSION

M1. Nurture students with professional and ethical outlook to identify needs, analyze, design and innovative sustainable solutions through lifelong learning in service of society as individual.

M2. Establish state of the Art Laboratories and Information resource centre for education and research.

M3. Collaborate with Industry, Government Organization and Society to align the curriculum and outreach activities.

ABOUT DEPARTMENT

VISION

To be a school of Excellence in Computing for Holistic Education and Research

MISSION

M1: Strive for academic excellence in Computer Science and Engineering through student centric innovative teaching-learning process, competent faculty members, efficient assessment and effective use of ICT.

M2: Establish Centre for Excellence in various vertical of Computer Science and Engineering to promote collaborative research and Industry Institute Interaction.

M3: Transform the engineering aspirants to socially responsible, ethical, technically competent and value added professional or entrepreneur.

MESSAGES

DR. SHASHIDHAR M
CHIEF EXECUTIVE DIRECTOR

"I convey my profound best wishes for the success of newsletter SPANDANA and let all students get the best by partaking to benefit their future walk of life."

DR. SURESHA
PRINCIPAL

"It gives me an immense pleasure that the Department of CSE is releasing a newsletter SPANDANA 2019. The core value of the department helps the students to develop their overall personality and make them solve complex problems, innovate and collaborate. I hereby congratulate the editorial board for directing the charge , students and staff who have made the sincere efforts in publishing the newsletter SPANDANA 2019 and wish them."

DR. SANJEEV C LINGAREDDY
PROF. & HOD

" It gives me immense pleasure to release the newsletter of Computer Science and Engineering SPANDANA 2019. The newsletter presents the skills of our students. This newsletter provides information of various activities of Computer Science and Engineering Department. I wish all the best for future endeavor."

PEO's

PEO1 KNOWLEDGE:

Computer Science and Engineering Graduates will have professional & technical career in inter disciplinary domains providing innovative and sustainable solutions using modern tools.

PEO2 SKILLS:

Computer Science and Engineering Graduates will have effective communication, leadership, team building, problem solving, decision-making and creative skills.

PEO3 ATTITUDE:

Computer Science and Engineering Graduates will practice ethical responsibilities towards their peers, employers and society. Program Specific Outcomes.

PSO's

PSO1 QUICK ADAPTABILITY:

Ability to adopt quickly for any domain, interact with diverse group of individuals and be an entrepreneur in a societal and global setting.

PSO2 ENVISION:

Ability to visualize the operations of existing and future software Applications.

Program Outcomes (POs)

1.**Engineering knowledge**: Apply the knowledge of mathematics, Computer science & engineering fundamentals, and an engineering specialization to the solution of complex engineering problem.

2.**Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3.**Design/development of solutions**: Design solutions for complex Computer Science 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.

4.**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.

5.**Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex Computer Science engineering activities with an understanding of the limitations.

6.**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.

7.**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.

8.**Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9.**Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10.**Communication**: Communicate effectively on complex Computer Science 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.

11.**Project management and finance**: Demonstrate knowledge and understanding of the Computer Science 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.

12.**Lifelong learning**: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

FACULTY

SVCE   DEPARTMENT OF CSE

Dr. Sanjeev C Lingareddy (Professor & HoD)
M.Tech (CSE), Ph. D

Cloud Computing, IoT, Wireless Communications

Dr. Nageshwara Guptha M (Professor)
MTech (CSE),Ph. D
Data Mining,Data Warehouse,Business Intelligence

Mrs. Varsha Kulkarni (Assistant Professor)

MTech (CSE), (Ph. D at Reva)

Data Mining, Big Data, Networking,Hadoop,Image Processing

Mr. Venkatagiri J (Assistant Professor)
MTech (CSE), (Ph. D at VTU)

Mobile Cloud Computing

Mrs. Shilpa Shree S (Assistant Professor)
MTech (CSE)), (Ph. D at VTU)

Wireless Network Security, Cognitive Networks

Mrs. Parvathi C (Assistant Professor)
MTech (CSE), (Ph. D at VTU)

Computer Networks, ArtificialIntelligence

Mrs. Shona M (Assistant Professor)

MTech (CSE)

Wireless Sensor Networks, Internet of Things

Mr. Balaji K (Assistant Professor)

MTech (CSE)

Data Mining, Wireless Sensor Networks

Dr. Nagaraj M Lutimath (Associate Professor)

MTech (CSE), Ph. D(VTU)

Data Mining, Big Data, Networking

Mr. Srinivasa G (Assistant Professor)

MTech (CSE)

Cloud Computing, Image Processing, Big Data

Mr. Murali Mohan B M (Assistant Professor)

MTech (CSE)

Big Data, Image Processing, Cloud Computing

Mrs. Renuka R Patil (Assistant Professor)

MTech (CSE), (Ph. D at VTU)

WSN, Cloud Computing, Image Processing, Artificial Intelligence

Mr. Prakasha. G (Assistant Professor)

MTech (CSE), (Ph. D at VTU)

Wireless Networks, Mobile Computing, Cloud computing

Mr. Suresh. P (Assistant Professor)

MTech (CSE), (Ph. D at VTU)

Wireless Networks, Cloud Computing ,Computer Architecture

Mrs. Lakshmi Viswanath (Assistant Professor)

MTech (CSE)

Image Processing, Machine Learning, Computer Vision

Mr. Lokesh M (Assistant Professor)

MTech (CSE)

Cloud Computing, Image Processing

Mrs. Arathi B N (Assistant Professor)

MTech (CSE)

Wireless Networks

Archana M (Assistant Professor)

MTech (CSE), (Ph. D at REVA)

Cloud Computing,Networking

Mr. Abhilash D C (Assistant Professor)

MTech (CSE)

Big Data, Image Processing, Cloud Computing

Ms. Nandini P (Assistant Professor)

MTech(CSE)

Big Data,Cloud Computing

Mr. Arun Kumar D R (Assistant Professor)

MTech (CSE)

Wireless Networks, Image Processing, Computer Vision

Mr. Lochan B (Assistant Professor)

MTech (CSE)

Image Processing, Cloud Computing

Mrs. Sumangala B (Assistant Professor)

MTech (CSE)

Computer Networks, Image Processing

Mrs. Pallavi R (Assistant Professor)

MTech (CSE)

Cloud Computing, Image Processing, Networking

Ms. Shweta M (Assistant Professor)

MTech (CSE)

Image Processing, Machine Learning, Computer Vision

Mr. Sushank R (Assistant Professor)

MTech (CSE)

Image Processing, Machine Learning

DEPARTMENT ACTIVITIES

TECHNOLOGIA HANDS ON SESSION ON SCRIPTING WITH UNIX

This event was sponsored by ISTE from 28th September 2018 to 30th September 2018.

Students from 3rd semester of CSE participated in this event.

HANDS ON SESSION ON DATABASE AND ITS APPLICATION

This event was sponsored by ISTE.

Students from 5th Semester of CSE participated in this event.

This event was held from 11th October 2018 to 13th October 2018.

AWS CLOUD INDUSTRIAL APPLICATIONS AND CHALLENGES

This event was sponsored by IETE in association with LiveWire.

Students from department of Computer Science and Engineering participated in this event.

This event was held on 20th February 2019.

YOUTH TALK KARNATAKA

This event was sponsored by ICT from 15th March 2019 to 16th March 2019

The Winners of this competition were offered a trip to Singapore and cash prizes.

Students from various colleges participated in this event.

HANDS ON SESSION ON RECENT TRENDS IN TECHNOLOGY

This event was sponsored by IETE.

51 Students participated in this event.

This event was held from 25th March 2019 to 27th March 2019.

STATE LEVEL MINI PROJECT EXHIBITION

This event was sponsored by ISTE and Aberame on 25th April 2019.

Students from various colleges participated in this event.

INTERNATIONAL CONFERENCE ON COMPUTER NETWORKS,SECURITY AND COMPUTING(ICCSC-2K19)

This event was held on 9th May 2019 and 10th May 2019.

This event was sponsored by IETE, ISTE and Aberame.

RECENT TRENDS IN DATA SCIENCE

This event was sponsored by IETE and ISTE.

The number of participants were 35.

This event was held from 23rd July 2019 to 27th July 2019.

FACULTY PUBLICATIONS

Sl. No	Title	Author
1	Simulation of AI based PSO algorithm in WSN	Dr. Suresha Mrs. Renuka R Patil
2	Wireless network smart grids for continuous power supply and monitoring	Dr. Suresha Mrs. Parvathi C
3	Decision Tree: A machine learning for intrusion detection	Dr. S C Lingareddy
4	Improved Adaptive Lattice Based Cryptography for Proxy ReEncryption in cloud computing Environment	Dr. S C Lingareddy
5	A review of scheduling mechanisms for heterogeneous multi-core machines	Mr. Balaji Kannappan
6	Cloud computing an overiew	Mrs. Renuka R patil Mrs. Parvathi C
7	Effective bandwidth allotment scheme using enhanced AQM technique	Mrs. Pallavi R
8	Data analytics for self-pooling facility in cabs	Mr. Srinivasa G Mr. Murali Mohan B M
9	Implementation of live data analytics using machine learning techniques and FPGA	Mr. ArunKumar D R Mr. Lokesh M Mrs. Sumangala B
10	Machine Learning Algorithms: Diagnosing Breast Cancer	Mrs. Kulkarni varsha Mrs. Sridevi N
11	Intrude Buzzer system for trees in forest using wireless sensor networks based on IoT	Mr. Prakasha G Mrs. Pallavi R Mr. Lochan B
12	Data analysis and classification of mhealth shimmer2 sensor data sets for human physical activities recognition	Mrs. Sridevi N
13	Prediction of heart diseases using regression tree	Dr. Nagaraj M lutimath Mrs. Arathi B N
14	Cryptographic protocols for mobile cloud computing	Mr. Suresh P Mr. venkatagiri J Mr. lochan B
15	Prediction of heart diseases using machine learning	Dr. Nagaraj M lutimath
16	Prediction of heart diseases using SVM	Dr. Nagaraj M lutimath Mrs. Arathi B N
17	Data leakage detection if transformed data in intra mailing system	Mr. Abhilash D C Mr. Venkatagiri J
18	Time frame based dynamic data shift algorithm for data security in mobile cloud computing	Mrs. Sumangala P Mr. suresh P

RESEARCH SCHOLARS

Sl. No.	Name of the Research Scholar	Dept.	Registered for			Status of Completion of		
			Year of Registration	Ph.D.	M.Sc. (Engg.) by Research	Course work [Y/N]	Comprehensive Viva-Voce [Y/No]	Submitted Final Thesis [Y/N]
1	Mr. Renuka C Herakal	CSE	2015	PhD	-	Y	Y	N
2	Mr. Suresh P	CSE	2015	PhD	-	Y	N	N
3	Mr. J. Venkata Giri	CSE	2016	PhD	-	Y	N	N
4	Mrs. Varsha V Kulkarni	CSE	2016	PhD	-	Y	N	N
5	Mrs. Archana M	CSE	2016	PhD	-	Y	N	N
6	Mr. Prakasha G	CSE	2015	PhD	-	Y	N	N
7	Mr. Lochan C	CSE	2017	PhD	-	Y	N	N
8	Mr. Abhilash D C	CSE	2018	PhD	-	N	N	N

STUDENT PUBLICATIONS

Sl.no	Paper title	Author
1	Integrity Auditing And Data Sharing With Sensitive Information Hiding For Secure Cloud Storage	Nidhi Rao
2	Detection of Phishing Attack Using Machine Learning	Meghana
3	Data leakage Detection of Transformed Data in Intra Mailing System	C Vijay Mahantesh
4	Privacy Preserving Reverse K- Nearest Neighbour Queries	Ayushi Dwivedi
5	AI Based Device Control Using IOT & Google Assistant	Dhanush k
6	Automated Student Attendance Management System Using Face Recognition And Machine Learning	Shivsagar M S
7	Digital Commerce In 5G World	Pavan Kalyan
8	Prediction Of Heart Disease Using Machine Learning	Manoj V Vinaykumar K S
9	Iot Based Android Application For Smart Bridge Monitoring System	Shwetha A N
10	Socirank Identifying And Prioritising The Prevalent News Topic Using Social And News Media Factors	Vijayalakshmi B Arpitha G
11	Authentication Based Security System Analysis	Aruna T M P.B.Deepanjali
12	Hybrid Low Frequency Switching Linear LED Driver For Controlling Dimming Range	Basavaraja R Anitha M
13	Northstar Server Architecture Driven Restructuring To Achieve Reliability	Prakruthi C Jeyasheela CS

14	E-Receipt System	Md Tabrez Ansari Lochan B
15	A Data Mining Based Model For Detection Of Fraudulent Behavior In Water Consumption	Prakruthi.S Premalatha.P
16	Providing Security Using A Management Authentication Server For NFC-Based Payment Systems	Digvijay Singh Chauhan Parvathi C
17	Prediction And Analysis Of Air Quality Index Using Random Forest	Sneha Sharma S
18	Mr Image Classification Using Machine Learning For Brain Tumor Type	Arohi Kumari
19	File Classification And Secure Storage System Using Map Reduce Technique	Mamatha B P
20	Smart Voting System Based On Iris Pattern	Aparna Ajith
21	Secured Deduplication In Image Processing	Rayes UL Ashraf
22	Efficient Eye Blink Detection Method For Disabled	Shreyas R Sharma
23	Comparative Study On Finding The Initial Basic Feasible Solution For Transportation Problems	Varshini Rao
24	Achieving Secured Image De Duplication Using Dice Protocol	Pramod K M
25	Classification Of Leaf Diseases Using Deep CNN	Naveen E
26	Iot Based Smart City	Cheella Rohitha
27	File, Image And Data De-Duplication In Cloud Environment	Harichandana Y
28	Crop Selection Method To Maximize Farmer Benefits By ML Analysis Over Crop Demand Rate	Hemalatha

29	M2M Based Healthcare Using Iot	Apoorva N
30	Agriculture Intelligence Decision System Using Linear Regression Algorithm	Malini S
31	Food And Fitness Using Machine Learning	Ms. Sivapriya
32	Credit Card Fraud Detection Using Random Forest	Yawar Abass
33	Vehicle Theft Detection And Toll Collection System	Aishwarya Ashrit
34	My Privacy My Decision: Control Of Photo Sharing On Online Social Networks	Pavithra R
35	Machine Learning Algorithms For Diagnosing Breast Cancer	Shriya Prasanna
36	A Cross Tenant Control Model For Cloud Computing: Formal Specification And Verification	Swapna V
37	Detection of Phishing Attack Using Machine Learning	Meghana
38	Data leakage Detection of Transformed Data in Intra Mailing System	C Vijay Mahantesh
39	Surveillance and Security System	Akshith Narayan
40	Inertial Navigation Simulator for a Radar on Move	Pavan Kumar A
41	Wireless Network using Machine Learning	Amit Yadav
42	Detection of Fraudulent Behavior in Drinking Water Consumption by Data Mining Techniques	Prateek Bhat
43	Replication And Division Of Data In Cloud For Optimal Performance And Security	Anusha Yadav R

STUDENT ACHIEVEMENTS

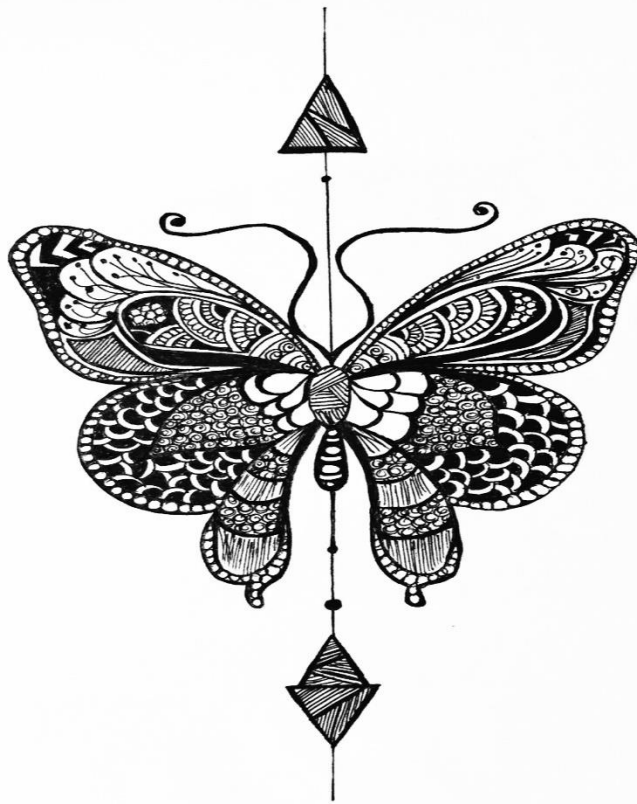| Sl.No	Name	Event	Date
1	Shivam Kumar Kashyap	Participated in the OnLoad 2019 held at Vidhyavardhaka College of Engineering Mysore	23-24th March 2019
2	M Rahul Nair	Participated in 2019 Statewide Engineering IT Quiz organized by the Board for IT Education Standards and TCS	2019
3	Akash Singh	Participated in 2019 Statewide Engineering IT Quiz organized by the Board for IT Education Standards and TCS	2019
4	Rakesh V	Participated in the REGIONAL PRE-FINALS of ICT ACADEMY YOUTH TALK –KARNATAKA held at SVCE B'lore	15th March 2019
5	Bharath R	Participated in the REGIONAL PRE-FINALS of ICT ACADEMY YOUTH TALK –KARNATAKA held at SVCE B'lore	15th March 2019
6	Nidhi S Rao	Secured First place in Rangoli in the Inter-Collegiate Techno-Cultural Fest "Kalanjali" held at Sir.MVIT B'lore	12th &13th Oct 2018
7	Kari Kishan	Selected for the annual conference conducted by Sharing Achievemets and Rejuvenating Society at Jaipur	24th March 2019
8	Nikethan Kumar	Participated in 2019 Statewide Engineering IT Quiz organized by the Board for IT Education Standards and TCS	2019
9	Bharath R	Participated in 2019 Statewide Engineering IT Quiz organized by the Board for IT Education Standards and TCS	2019
10	Naveen Kumar	Participated in 2019 Statewide Engineering IT Quiz organized by the Board for IT Education Standards and TCS	2019
11	Vrushabh V Kalmath	Secured First Place in DEBATE , organized by CSE &EEE on account of National Engineer's day at SVCE, B'lore	15th Sep 2018
12	Mohammed Afridi	Participated in the 24 hour State Level Hackathon organized by CSE at KNSIT. B'lore	9th &10th Nov 2018
13	Naveen Kumar	Participated in the 24 hour State Level Hackathon organized by CSE at KNSIT. B'lore	9th &10th Nov 2018
14	Kavya M	Particpated in Project Exhinits on Smart Ambulance System at GITAM School of Technology, GITAM, B'lore	22nd Feb 2019
15	Guru Raj R	Particpated in Project Exhinits on Smart Ambulance System at GITAM School of Technology, GITAM,b'lore	22nd Feb 2019
16	Shashikala A	Particpated in Project Exhinits on Smart Ambulance System at GITAM School of Technology, GITAM, B'lore	22nd Feb 2019`

17	Dilip G	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC, B'lore**	11th Sep 2018
18	Ruchi	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC, B'lore**	11th Sep 2018
19	Swathi Siddhi	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC, B'lore**	11th Sep 2018
20	Rahul Nair M	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC,b'lore**	11th Sep 2018
21	Mohammed Afridi	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC, B'lore**	11th Sep 2018
22	Aditi R	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC, B'lore**	11th Sep 2018
23	Chandana S	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC, B'lore**	11th Sep 2018
24	Chidri Kiran	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC,B'lore**	11th Sep 2018
25	Abhishek M J	**Participated in the Inter-Collegiate Climate and Environment Science Quiz at IISC, B'lore**	11th Sep 2018
26	Ashritha C	**Participated in the Sweden-India Nobel Memorial Quiz held at RV College of Engineering, B'lore**	3rd Oct 2018
27	Aditi R	**Participated in the Sweden-India Nobel Memorial Quiz held at RV College of Engineering, B'lore**	3rd Oct 2018
28	Chandana S	**Participated in the Sweden-India Nobel Memorial Quiz held at RV College of Engineering, B'lore**	3rd Oct 2018
29	Chidri Kiran	**Participated in the Sweden-India Nobel Memorial Quiz held at RV College of Engineering, B'lore**	3rd Oct 2018
30	Mohammed Afridi	**Participated in the Sweden-India Nobel Memorial Quiz held at RV College of Engineering, B'lore**	3rd Oct 2018
31	Dilip G	**Participated in the Sweden-India Nobel Memorial Quiz held at RV College of Engineering, B'lore**	3rd Oct 2018
32	Abhishek M J	**Participated in the Sweden-India Nobel Memorial Quiz held at RV College of Engineering, B'lore**	3rd Oct 2018

PAINTINGS

Manasa Shivaraj Gubbyad - 1st Year CSE

Mayank Jain - 2nd Year CSE

STUDENT MESSAGES

Ravi Teja N S - 2nd Year CSE

Computer Science and Engineering Department has the best supportive and responsive staff. They are well trained and have knowledge of trending technology which makes it easier for students to match the rapport and communicate effectively with them!......

CSE department's professors are epic and they will you teach you in a way that the students can get really good benefits . They're really supportive , knowledgeable and friendly ,this help students not only to excel in studies but also as a person on whole , having a friendly relation with teacher helps them to open up to build up great communication skills which not only help us in daily life but also gives a stance in industry

Mayank Jain - 2nd Year CSE

TOPPERS OF SECOND YEAR

From Left - Ms. Meenakshi Chauhan, Ms. Nikitha,

Ms. Namratha, Ms. Netravathi, Ms. Chandana B

TOPPERS OF THIRD YEAR

From Left – Ms. Nomitha P Mohan, Mr. Nikitha, Ms. Priyanka B Panth, Mr. Rahul, Ms. Sai Nandhini, Ms. Venalla

TOPPERS OF FOURTH YEAR

From left – Ms. Nikitha S, Ms. Arpitha K A, Ms. Ashalatha V, Ms. Nidhi Shree N, Ms. Nidhi S Rao, Ms. Anjana S, Mr. Amarendra Kumar Yadav.

Faculty Editor:

Mr. Sushank R

Student Editors:

Mr. Somil Sachan

2nd Year CSE

Mr. Neil Samuel

2nd Year CSE

Special Thanks to....

CED, Principal (SVCE),

HOD & Faculties

(Department of CSE)

PEOPLE BEHIND

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