SVCE | Sri Venkateswara College of Engineering
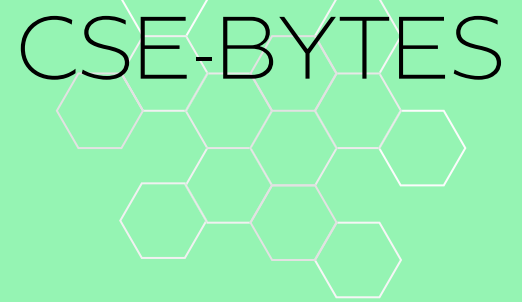
SVCE-IQAC
Consciousness for Quality

DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING

Cse Bytes

NEWSLETTER
JANUARY 2023
(VOL. 6, ISSUE 1)

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

CSE - BYTES

NEWSLETTER
ACADEMIC YEAR: 2022-2023
VOLUME 6, ISSUE 1
(JANUARY 2023)

SVCE

CSE-BYTES

Contents

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 1985. Over the past few years, the department has acquired national and international importance. This has been achieved by the collective and responsive effort of the faculty, the supporting staff and the students. The department is well equipped with excellent computing facilities, and has highly qualified faculty specialized in areas like Cloud Computing, Artificial Intelligence, Machine Learning, Data Analytics, Cyber Security, Networking, Data Mining etc.

Programmes offered:

- B.E. Computer Science and Engineering
- B.Tech. Artificial Intelligence and Data Science
- M.E. Computer Science and Engineering
- Ph.D. Computer Science and Engineering

ABOUT THE DEPARTMENT

VISION

To excel in providing education and research in the field of computer science and engineering in the cutting edge technology so as to produce competence professional at global level.

MISSION

- Competent and trained faculty enriching the aptitude of the student to generate innovative and effective problem solving skills with professionalism
- Providing strong research and state of the art facility to the students to face dynamic challenges of industry and society
- Educating the students to be successful, ethical and lifelong learners

MESSAGE FROM HOD

Dr. R. Anitha

Professor/CSE

I would like to express my sincere appreciation for all the tremendous efforts put forth by the newsletter team in the month of January 2023. This Newsletter 'CSE - BYTES' is a forum to expose the events, happenings, and achievements in the department as well as provide a platform to exhibit the talents of the budding engineers and the faculty as well.

This newsletter will definitely create an impact in the minds of readers by providing a wider visibility and new dimension to the learning community. I hope that this culture of releasing newsletter will continue forever with the support from both the students and the faculty.

DEPARTMENT INITIATIVE

Department has taken initiative to start the **Augmented Reality and Virtual Reality** course and a meeting was conducted on with **30.01.2023**. **Dr. Shyam Prasad Rajan, Ph.D. Co-Founder and CEO, VyVoxel India Pvt Ltd. Dr. R Anitha, Prof. & Head/CSE, Ms. S Rajalakshmi, Coordinator and Dr. K S Badrinathan, Dean ED** has attended the meeting.

Student Achievements

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

The following students of III/AD have exhibited their projects in "AB INITIO" a State-level Science exhibit conducted by Sri Venkateswara College of Engineering.

Team 1 : **Mr. B. Divyamsh, Mr. R. Iyyappan, Mr. S. Nandha Kumar** and **Mr. A. Pranav Vignesh** exhibited a model titled "Smart Attendance".

Team 2 : **Mr. K. Prajith, Mr. K. Gopinathan, Mr. V. Kesavaram** and **Mr. P. Nithin Iswar** exhibited a model titled "Automated Labour".

Team 3 : **Mr. R. F. Niyas Hameed** and **Mr. R. S. Vignesh** exhibited a model titled "VibR", A Web Application powered by Spotify API, to generate sharable cards on recently liked songs.

Ms. S. K. Keerthana, III/CS completed 5 certificate courses from Great Learning Academy are My SQL Basics, Crash Course on Data Structure and Algorithms in C++, OOPs Concepts in C++.

Ms. S. K. Keerthana, III/CS completed Hacker Rank Certificates are Problem Solving (Basic) and SQL Intermediate.

MMs. V. Shanmathi, I/CS, participated in ICT Skill a thon.

Ms. V. Shanmathi, I/CS, participated and went upto prelims 2 in the *EARTHIAN QUIZ CONDUCTED BY WIPRO*online mode event held on 12th and 13th of January 2023.

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Mr. V. V. S. Tarun, IV/CS has attended two days workshop on "Gender Audits in Higher Education Instututions:The Why and How? " Organized by sri venkateswara college of engineering sponsored by AICTE held on 27-01-2023 and 28-01-2023.

Ms. U. Sadana, IV/CS, attended AICTE sponsored Two day workshop on "Gender Audits in Higher Education Institutions: The Why and How?" organized by Sri Venkateswara College of Engineering from 27-01-2023 to 28-01-2023.

GENDER AUDITS - WORKSHOP

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Ms. V. Shanmathi, I/CS, participated in Logo making competition (12m) conducted by PALS -IIT MADRAS on 09.01.2023.

Ms. V. Shanmathi, I/CS, participated and demonstrated project in ABINITIO Event conducted by SVCE during 23.01.23 to 25.01.23.

PROJECT DEMONSTRATION

STUDENT ACHIEVEMENTS

SPORTS ACTIVITIES

SVCE Cricket Team showed a stunning performance and clinched the Winners title in Anna University zonal tournament which was organized in our campus from 10/01/2023 to 18/01/2023.

Mr. G. Viswesh, III/CS, Mr. C. S. Mukundan, I/CS, and Mr. Shravan Raghunath, I/CS has participated in the event.

**ANNA UNIVERSITY ZONAL
TOURNAMENT - CRICKET**

Placement Activities
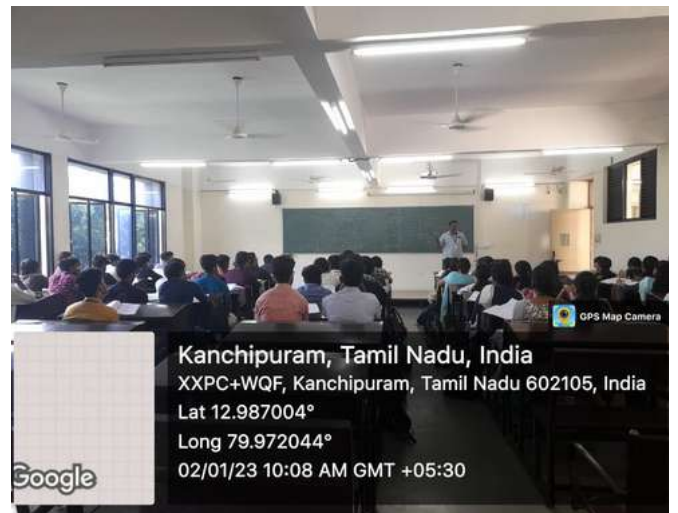
PLACEMENT ACTIVITIES

PLACEMENT TRAINING

OBJECTIVE:

- To create awareness about "career planning" and "career mapping" among the students.
- To train the students on "Personality development".
- To organize Various Training Programmes to train the students in the areas of Quantitative Aptitude, Logical reasoning and Verbal reasoning.

TRAINING PROVIDED BY: Faculty, Dept of CSE.

PARTICIPANTS: Third year students of CS and AD

DATE: 02/01/2023 to 12/01/2023

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XXPC+WQF, Kanchipuram, Tamil Nadu 602105, India
Lat 12.987004°
Long 79.972044°
02/01/23 10:08 AM GMT +05:30

Kanchipuram, Tamil Nadu, India
XXPC+WQF, Kanchipuram, Tamil Nadu 602105, India
Lat 12.987004°
Long 79.972044°
02/01/23 10:08 AM GMT +05:30

TRAINING AND PLACEMENT
TECHNICAL SESSION

PLACEMENT ACTIVITIES

PLACEMENT / INTERN DETAILS

Company Name	Department / Specialization	No. of Students Placement / Intern offer	Student Name	Stipend (INR) / Month
Prudent.AI	CSE	1	Ms. Lakshmi Sruthi	10,000
	AI&DS	1	Mr. Selvabalaji	10,000
KLA Technologies	CSE	1	Ms. Soundarya	60,000
Testsigma	CSE	1	Mr. Karthik	15,000
Exeter Premedia	CSE	1	Ms. Lakshmi Narayanan	9LPA

Faculty Interactions & Achievements

FACULTY INTERACTIONS

Events Attended

Dr. R. Anitha, Professor & Head / CSE, attended a three Faculty Development Program on "Capacity Building for Productivity Enhancement", organized by "The Art of Living" at Sri Venkateswara College of Engineering from 09.01.2023 to 11.01.2023.

Dr. R. Anitha, Professor & Head / CSE, attended AICTE Sponsored Workshop on "Gender Audit in Higher Education Institutions: The Why and How?" under the Distinguished Chair Professor Scheme organized by Sri Venkateswara College of Engineering on 27th and 28th January 2023.

AICTE SPONSORED WORKSHOP ON GENDER AUDIT IN HIGHER EDUCATION INSTITUTIONS

FACULTY INTERACTIONS

Events Attended

Dr. R. Anitha, Professor & Head / CSE, attended Online Workshop on Intellectual Property Right (IPR) & Patents and Design filing" conducted by Institution Innovation Council (IIC-SVCEKAPILA SCHEME) of Sri Venkateswara College of Engineering in association with Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Government of India, Nagpur on 30th January 2023.

Dr. J. M. Gnanasekar, Professor / CSE, attended a three Faculty Development Program on "Capacity Building for Productivity Enhancement", organized by "The Art of Living" at Sri Venkateswara College of Engineering from 09.01.2023 to 11.01.2023.

Dr. P. Janarthanan, Professor / CSE, attended an AICTE Sponsored Workshop On "Gender Audit In Higher Education: The Why And How", at Sri Venkateswara College of Engineering from 27.01.2023 to 28.01.2023.

Dr. R. Jayabhaduri, Professor / CSE, attended Online Workshop on Intellectual Property Rights (IPR) & Patents and Design filing" conducted by Institution Innovation Council (IIC-SVCE-KAPILA SCHEME) of Sri Venkateswara College of Engineering in association with Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Government of India, Nagpur on 30th January 2023.

Dr. R. Jayabhaduri, Professor / CSE, attended AICTE Sponsored Workshop on " Gender Audits in Higher Education Institutions: The Why and How?" under the Distinguished Chair Professor Scheme organized by Sri Venkateswara College of Engineering on 27th and 28th January 2023.

Ms. S. Rajalakshmi, Associate Professor / CSE, attended 30 day Masterclass training program on "Java Full Stack Development", Pantech e Learning Pvt Ltd, Chennai during the period 10.12.2022 to 10.01.2023.

FACULTY INTERACTIONS

Events Attended

Ms. S. Rajalakshmi, Associate Professor / CSE, attended an Online course on Introduction to Data Analysis using Microsoft Excel – Coursera.

Ms. S. Rajalakshmi, Associate Professor / CSE, attended an Online course on Azure: Create a Virtual Machine and Deploy a Web Server – Coursera.

Ms. S. Rajalakshmi, Associate Professor / CSE, attended an Online course on Azure: Create a REST API using NodeJS Serverless Functions - Coursera.

Dr. T. Rajasekaran, Associate Professor/CSE, attended a Six day FDP "Hands on Training on Data Science Tools" in association with ISTE" from 23-01-2023 to 28-01-2023.

Mr. M. SureshKumar, Associate Professor/CSE, attended a Six day FDP "Hands on Training on Data Science Tools" in association with ISTE" from 23-01-2023 to 28-01-2023.

Mr. M. Sureshkumar, Associate Professor/CSE, attended one week FDP on "Data Science for Engineers" at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad during 23.01.2023 to 28.01.2023.

Ms. J. Buvana, AP/CSE, attended a 30 days Masterclass training program on "Java FullStack Development", Pantech e Learning Pvt Ltd, Chennai during the period 10.12.2022 to 10.01.2023.

Ms. J. Buvana, AP/CSE, attended an online Course on Introduction to Data Analysis using Microsoft Excel – Coursera.

FACULTY INTERACTIONS

Events Attended

Ms. J. Buvana, AP/CSE, attended an online Course on Azure: Create a Virtual Machine and Deploy a Web Server – Coursera.

Ms. J. Buvana, AP/CSE, attended an online Course on Azure: create a REST API using NodeJS Serverless Functions – Coursera.

Mr. P. Selvamani, AP/CSE, attended a Six day FDP "Hands on Training on Data Science Tools" in association with ISTE" from 23-01-2023 to 28-01-2023.

Dr. P. Geetha, AP/CSE, attended a National Level two day workshop on "A pathway to Industry Readiness, Innovation and Patent" organized by Academic2IT, Chennai during the period 04-01-2023 to 05-01-2023.

Ms. R. K. Kapilavani, AP/CSE, attended a National Level two day workshop on "A pathway to Industry Readiness, Innovation and Patent" organized by Academic2IT, Chennai during the period 04-01-2023 to 05-01-2023.

Ms. A. Ajoe Sweetlin Jeena, AP/CSE, attended a FDP on "Hands-on Training on Data Science Tools", Chennai during the period 23-01-2023 to 28-01-2023.

FACULTY ACHIEVEMENTS

MENTORING PROJECT

Dr. R. Jayabhaduri, Professor/CSE along with Dr. R. Anitha, Professor and HOD/CSE mentored the following Undergraduate students for the State Level Science Expo "AB INITIO" conducted for school children by the Science Club and Students' Council of Sri Venkateswara College of Engineering from January 23, 2023 to January 25, 2023. Final year CS students Abdul Rehman I, Adityan V, Benita Majo C, Aishwarya S, Akshaya L K and Ashika V had done their projects in the domain "Internet of Things". Prefinal year CS students Kolla Mohan Rao and Kishan M exhibited 2 projects titled "MicroD" and "SVCE BoT". Third year B.Tech AD students Divyamsh B, Iyyappan R, Nandha Kumar S and Pranav Vignesh, Gopinathan K, Kesavaram V, Malapati Prasanth, Nithin Iswar P and Prajith K and Niyas Hameed and Vignesh R S exhibited their project titled "Smart Attendance", "Automated Labour" and "VibR" respectively.

**State Level Science Expo Team
with Mentors**

FACULTY ACHIEVEMENTS
Guest Lectures Delivered

Dr. R. Anitha, Professor & Head / CSE, acted as a resource person for the Two Days workshop on "Readiness for the Emerging Technologies" from 12/01/2023 to 13/01/2023, and delivered a session on "Cloud Computing : An Eye Opener".

Resource Person: Dr. R. Anitha,
Prof. / CSE, SVCE

FACULTY ACHIEVEMENTS

Guest Lectures Delivered

Dr. R. Jayabhaduri, Professor / CSE, delivered a talk on "A Journey into the Applications of Transformers" on 27/01/2023 for the National Level FDP (Online) On "Machine Learning & Deep Learning" organized by the department of CSE and AI&DS, CARE College of Engineering, Trichy from 23/01/2023 to 28/01/2023.

Dr. R. Jayabhaduri, Professor / CSE, delivered a talk "Real World implementation of AI and exploring its effect in Day-to-Day Life" on 12/01/2023 for the two day workshop on "Readiness for the Emerging Technologies" organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 12/01/2023 to 13/01/2023.

Resource Person: Dr. R. Jayabhaduri,
Prof. / CSE, SVCE

FACULTY ACHIEVEMENTS
Guest Lectures Delivered

Ms. V. Rajalakshmi, Associate Professor / CSE, delivered a lecture on "Time series forecasting using machine learning models" in National Level FDP on Machine Learning and Deep Learning (Online) organized by CARE College of Engineering, Tiruchirapalli on 27-01-2023.

Dr. T. Padmavathy, Associate Professor / CSE, acted as a resource person for the Two Days workshop on "Readiness for the Emerging Technologies" from 12/01/2023 to 13/01/2023, and delivered a session on "AI, IoT and SDN : An Eye Opener".

Resource Person: Dr. T. Padmavathy,
Associate Professor / CSE, SVCE

FACULTY ACHIEVEMENTS
Guest Lectures Delivered

Ms. S. Poorani, AP/CSE, acted as a Resource person on the topic "Introduction to Cyber Security" in Two day workshop on "Readiness for the Emerging Technologies" organized by Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 12-01-2023 to 13-01-2023.

FACULTY ACHIEVEMENTS

Events Organized

Dr. R. Anitha, Professor & Head / CSE, organized a Two Days workshop on "Readiness for the Emerging Technologies" from 12/01/2023 to 13/01/2023, conducted for the Supporting staff of Computer Science and Engineering. Venue : CSE Department Library.

Workshop for Supporting Staff

Dr. R. Anitha, Prof. & Head and Ms. S. Poorani, has successfully coordinated and completed the course - PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP Course - Naalaiya Tiran Project 2022.

RESEARCH ACTIVITES

RESEARCH ACTIVITIES

RESEARCH PROJECT COMPLETION

Dr. R. Anitha, Professor & Head/CSE has completed the RPS Project titled "Developing a Language Translation Engine for Book Conversion from Foreign to Native Language in the Field of Science & Technology based on Cloud Virtual Dictionary Using Deep Neural Network".

RECOGNITION

Dr. R. Anitha, Professor & Head/CSE, acted as Special Invitee for Board of Studies Meeeting, conducted on 28.12.2022 at Panimalar Engineering College.

REVIEWER CONTRIBUTIONS

Dr. R. Jayabhaduri, Professor / CSE, acted as a reviewer for the journal CMC-Computers, Materials & Continua.

Dr. R. Jayabhaduri, Professor / CSE, acted as a reviewer for the 6th International Conference on Computational Intelligence in Data Science (ICCIDS 2023) organized by the department of Computer Science and Engineering, Sri Sivasubramaniya Nadar College of Engineering (SSNCE), Chennai during February 23-25, 2023.

Dr. N. Rajganesh, Associate Professor/CSE acted as reviewer in Journal of Multimedia Tools and Applications, Springer.

Dr. N. Rajganesh, Associate Professor/CSE acted as reviewer in Journal of King Saud University - Computer and Information Sciences, Elsevier.

RESEARCH ACTIVITIES

RESEARCH SUPERVISORS

Dr. R. Anitha, Prof. & HOD - CSE

Area of Interest: Cloud Computing, Data Mining, Large Scale Database, Data Structures and Algorithms & Big Data Analytics.

Dr. J. M. Gnanasekar, Prof. - CSE

Area of Interest: Web Technology, Cloud Computing, Service Oriented Computing.

Dr. N. Rajganesh, Associate Professor - CSE

Area of Interest: Artificial Intelligence, Machine Learning, Cloud Computing, SOA.

Dr. P. Vinothiyalakshmi, Associate Professor - CSE

Area of Interest: Cloud Computing, Internet of Things (IoT), Machine Learning, Data Structures, OOPS, Operating System, Computer Networks, Data Mining.

RESEARCH ACTIVITIES

RESEARCH PUBICATIONS

Dr. R. Anitha, Prof. & Head and Ms. S. Poorani, presented paper titled "A Cognitive Distortion based BB84 protocol for Data Transmission in Intelligent System", in the 6th International Conference on Electronics, Communication and Aerospace Technology [ICECA] on1-3 December 2022 in RVS Tcchnical Campus, Coimbatore. Paper is published in IEEEXplore - Scopus indexed journal.

Mrs. Rupa Kesavan, presented paper at IEEE Madras Section Technical sponsored ICCPC`22 Conference on Paper Titled "Implementation of PV based Solar Water Cooler With enhanced Chiller Performance Using Peltier Module", Jan 2023.

Dr. P. Geetha, Ms. R. K. Kapilavani, Dr. D. Vinodha, presented a paper titled " Biometric masking to re-establish the database through watermarking with Distortion Control", in 5th International Conference on Communication and Computational Technologies (ICCCT 2023)" held on January 28-29, 2023.

Mr. R. Gnanavel and Dr. J. M. Gnanasekar, presented a paper titled "A Conceptual Overview on Earlier Methodologies Focused on Stock Price Prediction", in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) held in Francis Xavier Engineering College, Tirunelveli, India on 23rd to 25th, January 2023.

RESEARCH ACTIVITIES

RESEARCH PUBICATIONS

Mr. M. Lakshmanan and Dr. G. S. Anandha Mala, presented a paper titled "Augmented Random Search based Autonomous Driving System", in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) held in Francis Xavier Engineering College, Tirunelveli, India on 23rd to 25th, January 2023.

Oviya G, Kishore M, Pradeep S, Poorani S, Anitha R presented a paper titled "Advanced Semiconductor Classifiers using Machine Learning Techniques" on AICTE sponsored International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF -2023) organized by St. Joseph's Institute of Technology Chennai, held on 05-07 January 2023.

CLUB ACTIVITES

CLUB ACTIVITIES

KNOW - I

Co-ordinators

Dr.T.Padmavathy, Associate Professor/CSE and Ms.V.Radha, Assistant Professor/CSE.

Objectives:

KNOW-I research forum aims at imparting and enhancing knowledge in the field of Artificial Intelligence, Machine learning, Deep learning, and Computer vision for the students of Sri Venkateswara College of Engineering. One of the priorities is to encourage students to get involved in research-based activities. To achieve this, the forum has an exuberant team consisting of faculty and students to organize competitions, workshops, project presentations, hackathons etc. The club acts as a platform for the students, faculty, and industry experts to share their experiences and work collaboratively to provide intelligent solutions for real-world problems with Dr.T.Padmavathy,ASP/CSE and Ms.V.Radha,AP/CSE as Faculty Coordinators of the club.

Outcome:

To keep the students updated with the current technological trends and make them competitive and industry ready through various activities.

Activity Conducted:

A webinar on "Honest Engineering Placements" on 07/01/2023, from 7.30 pm to 8.30 pm hosted in online mode for the students of CSE department. The speakers were Mr. V. Vasanth, Mr. Srinivasan and Mr. Rakesh of IV Year/CSE.

CLUB ACTIVITIES

KNOW - I

Know - I Club Activities

YOGA ACTIVITIES

YOGA

Valarpuram, Tamil Nadu, India
XXQC+QHW, Valarpuram, Tamil Nadu 602105, India
Lat 12.989442°
Long 79.97147°
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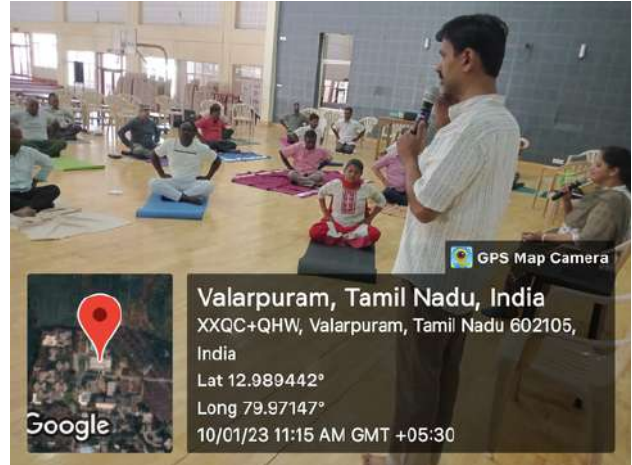
YOGA Activities

CSE-BYTES

DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

EDITORIAL TEAM

Dr. N. RAJGANESH, ASSOC. PROF./CSE
Dr. S. D. NANDAKUMAR, AP/CSE
Ms. R. POORNI, AP/CSE
Ms. P. KAVIYA, AP/CSE