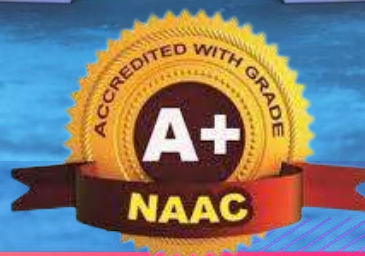




»» CSE BYTES ««

NEWSLETTER
FEBRUARY 2024
(VOL 7, ISSUE 2)



S.NO	HEADINGS	Pg. No
1	ABOUT THE DEPARTMENT	1
2	MESSAGE FROM HOD	11
3	PLACEMENT ACTIVITIES	12
4	STUDENTS ACHIVEMENTS	22
5	FACULTY ACHIVEMENTS AND INTERACTIONS	35
6	RESEARCH ACTIVITIES	54

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



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

- Providing competent and trained faculty members to enrich 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.

B.E - Computer Science and Engineering**PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)**

- Create value to organizations as an employee at various levels, by improving the systems and the processes using appropriate methods and tools learnt from the programme.
- Run an organization successfully with good social responsibility as an entrepreneur, making use of the knowledge and skills acquired from the programme.
- Contribute to the future by fostering research in the chosen area as an erudite scholar, based on the motivation derived from the programme.

PROGRAMME SPECIFIC OUTCOMES (PSOS)

- Ability to adapt to a rapidly changing environment by learning and employing new programming skills and technologies.
- Ability to use diverse knowledge across the domains with inter-personnel skills to deliver the Industry need.

*B.E - Computer Science and Engineering***PROGRAM OUTCOMES (POS)**

- **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- **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.
- **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.
- **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.

- **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.
- **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.
- **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.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and teamwork:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

- **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.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering 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.
- **Life-long 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.



*B. Tech - Artificial Intelligence
and Data Science*

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

Artificial Intelligence and Data Science program will prepare its graduates:

- To solve real-world issues by developing intelligent computing systems to meet the emerging technology challenges in the industries.
- To apply professional and interpersonal skills through lifelong learning such as advanced degrees and research.
- To participate in collaborative learning and become successful entrepreneurs by ensuring ethical and moral values.

PROGRAMME SPECIFIC OUTCOMES (PSOS)

- Apply the engineering concepts and evolve Artificial Intelligence-based models to solve real-world problems in various domains and deliver solutions with innovative ideas.
- Apply the concepts and algorithms of various learning models for deep analysis of data to provide high-end business decisions for advancement in the data science fields.

*M.E - Computer Science and Engineering***PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)**

Computer Science and Engineering program will prepare its learners:

- To understand the foundational and advanced concepts in Computer Science and Engineering to excel in research by adapting to the rapid advances in new emerging technologies.
- To critically analyze the emerging trends and technologies and future issues at multiple levels and propose research oriented solutions.
- To effectively communicate technical information, function effectively on teams
- To provide innovative solutions to real-world problems of society by following ethical practices
- To pursue lifelong multidisciplinary learning as professional engineers and scientists

PROGRAMME SPECIFIC OUTCOMES (PSOS)

- Graduates will gain advance-level competency and skills in core and emerging technologies of Computer Science and Engineering.
- Graduates will develop viable solutions to real-world problems through continuous learning and research skills

*M.E - Computer Science and Engineering***PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)**

Computer Science and Engineering program will prepare its learners,

- To understand the foundational and advanced concepts in Computer Science and Engineering to excel in research by adapting to the rapid advances in new emerging technologies.
- To critically analyze the emerging trends and technologies and future issues at multiple levels and propose research oriented solutions.
- To effectively communicate technical information, function effectively on teams.
- To provide innovative solutions to real-world problems of society by following ethical practices.
- To pursue lifelong multidisciplinary learning as professional engineers and scientists

PROGRAMME SPECIFIC OUTCOMES (PSOS)

- Students Graduates will gain advance-level competency and skills in core and emerging technologies of Computer Science and Engineering. Graduates will develop viable solutions to real-world problems through continuous learning and research skills.



M.E - Computer Science and Engineering

PROGRAM OUTCOMES (POS)

- An ability to independently carry out research / investigations, identify problems and develop solutions to solve practical problems.
- An ability to write and present a substantial technical report document.
- Students should be able to demonstrate a degree of mastery in the field of Computer Science and Engineering
- Use research based knowledge, methods, appropriate techniques, resources and tools to solve complex engineering issues with an understanding of the limitations.
- An ability to function effectively by applying technical knowledge, ethical practices as an individual and a team member in the career.
- Recognize the need for independent, life-long learning and engage in the broadest context of technological change.

MESSAGE FROM HOD
Dr.R.ANITHA
Professor & HoD/CS



I would like to express my sincere appreciation for all the tremendous efforts put forth by the newsletter team in the month of February 2024. 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.

PLACEMENT ACTIVITIES

Academic year
2024



PLACEMENT EVENTS

Department of Computer Science and Engineering

Placement Report – FEBRUARY 2024

The Training and Placement Cell (TPC) plays a vital role in the career development of students in educational institutions. It serves as a bridge between the students and the industries, facilitating the recruitment process and helping students acquire the necessary skills and knowledge to succeed in their careers. The Department of Computer Science and Engineering and Training & Placements conducts several Technical Training programmes to all students to develop their technical knowledge and soft skills in the areas of Aptitude, Logical Reasoning, Quantitative Reasoning and Verbal through the qualified and reputed faculty members. Training and Placement Cell organizes the Mock Interview for Pre Final year students by HR Managers from different industries.



Placed Students February 2024



S.NO	REGISTRATION NO.	STUDENT NAME	PLACED COMPANY
1	2127200502013	GOPINATHAN K	Rax- Tech International
2	2127200501007	ADHIYAMAN G E	Property Automate
3	2127200501091	MEENAKSHI M	Property Automate



SOFT SKILLS (EMPLOYABILITY) TRAINING PROGRAM 2024

A Soft Skill training program was held for first-year students from the batches of 2023 to 2027. It lasted for 36 hours, starting on February 19th, 2024, and ending on February 24th, 2024. The goal was to help students improve their chances of passing aptitude tests during job placements. The training focused on enhancing their skills in areas like aptitude, verbal communication, and logical thinking. The program was conducted by M/S Springboards. Its aim was to equip students with the necessary skills to succeed in the competitive job market. Through this training, students were given the opportunity to develop their abilities and boost their confidence in facing future employment challenges



TECHNICAL ASSESMENT TEST

The training and placement cell organized a placement assessment test for second and third-year students on February 18th, 2024. The test took place online from 4:30 PM to 6:30 PM. The topics covered in the test were Arrays and Pointers in C, Strings, Operators, Loops & Conditions in C. The test format included 30 multiple-choice questions (MCQs) and 2 essay-level programming questions. The aim of the test was to evaluate students' understanding of these fundamental concepts in programming. It provided an opportunity for students to demonstrate their knowledge and skills in these areas, which are crucial for securing job placements. The test was designed to assess students' proficiency and readiness for future career opportunities.



HIGHER EDUCATION

SEMINAR ON HIGHER EDUCATION

The Higher Education Cell and the Department of Computer Science and Engineering (CSE) collaborated to host a seminar on February 12, 2024, focusing on opportunities for higher education abroad. The seminar featured guest speakers from Newcastle University, England, who shared valuable insights into pursuing education overseas and the job prospects post-graduation. During the event, representatives from Newcastle University discussed crucial information about the intakes for studying abroad, highlighting the different seasons or periods for applying to programs in foreign universities. This information is essential for students planning to pursue higher education as it provides clarity on application timelines and deadlines. Additionally, the speakers provided insights into job opportunities after completing degrees abroad, including global job market trends, industry demands, and potential career paths for students to explore with their qualifications.



HIGHER EDUCATION



Glimpses of seminar on higher education

HIGHER EDUCATION

CAREER GUIDANCE AND DEVELOPMENT PROGRAM

The Higher Education Cell, in collaboration with the Department of Computer Science and Engineering (CSE), conducted a comprehensive career guidance and development program tailored specifically for third-year students on February 28, 2024. This initiative aimed to equip students with the necessary tools and insights to navigate their career paths effectively in the dynamic field of Computer Science and Engineering. Through this initiative, students gained valuable insights into various career trajectories within the realm of computer science and engineering, enabling them to make informed decisions about their academic and professional pursuits. The event fostered a supportive environment where students could clarify their doubts, seek guidance, and chart out a clear roadmap towards achieving their career goals.



HIGHER EDUCATION



Glimpses of career guidance and development program

TECH TALK

L&T MindTree

The Training and Placement Cell organized a technical session conducted by L&T MindTree on 29th Feb 2024. Tech talk delivered an enriching program for students, imparting valuable insights and practical knowledge to bridge the gap between academia and industry. The comprehensive training covered cutting-edge technologies, software development methodologies, and industry trends, preparing students for the challenges of the tech world. Through hands-on projects, students gained real-world experience and honed their problem-solving skills. Moreover, the program focused on fostering effective communication, teamwork, and leadership abilities to enhance students' professional competence.



Glimpses of Tech talk by L&T MindTree

STUDENT ACHIVEMENTS

Academic year 2023-2024



- Ms. S. Bhavya, IV/CS, Mr. T. K. Anantha Krishnan, IV/CS, Mr. S. Dharan, IV/CS, published a patent titled as “A FRAMEWORK FOR PLANT LEAF DISEASE CLASSIFICATION”, under guidance of Dr. S. Rajalakshmi, Assoc Prof/CSE, Ms. J. Buvana, AP/CSE.
- **COMPETE TO COMPUTE (C2C)** conducted the event called “**Web pageantry**” on 13th FEB, the students crafts their own website with the interactive components. Around 60 students have taken part in the event.



Glimpses of “Web pageantry”



Winner: Retrovators- Mr. V. Sredesh, Mr. R. D. Tamizhselvan and Mr. A. Shiva , III/CS/C



Runner: Tech Titans- Mr. V. B. Prasanna, Mr. C. Praveen and Mr. M. Lokesh Varathan, III/CS/B



Best Responsiveness: Das & Co- Mr. B. Hari Vignesh, Mr. D. Jeswin paul dany and Ms. S. Divya Dharshan, II/CS/A.

- **Mr. Kolla Mohan Rao and Mr. S. Jaswant, IV/CS,** enrolled for Naan Mudhalvan - Niral Thiruvizha project.

- **ACE** club student chapter conducted the event called **“CODE-FIESTA”** on 14th FEB, the students to a live online coding challenge and test participants at different difficulty levels. **Ms. S. Divya dharshan, II/CS/A** won First Place, **Mr. D. Jeswin Paul Dany, II/CS/A** won Second Place, **Y. Mugundhan, II/AD/B** won Third Place.



Certificate of Appreciation

- **Mr. S. Subbu, II/CS**, had completed internship at Market Simplified, Taramani Chennai from 04.01.2024 to 28.01.2024.
- **Ms. S. Sruthi and Ms. Srivarshini, II/CS**, had completed training and internship at Techno Hacks on Web Development domain from 01.01.2024 to 15.02.2024.



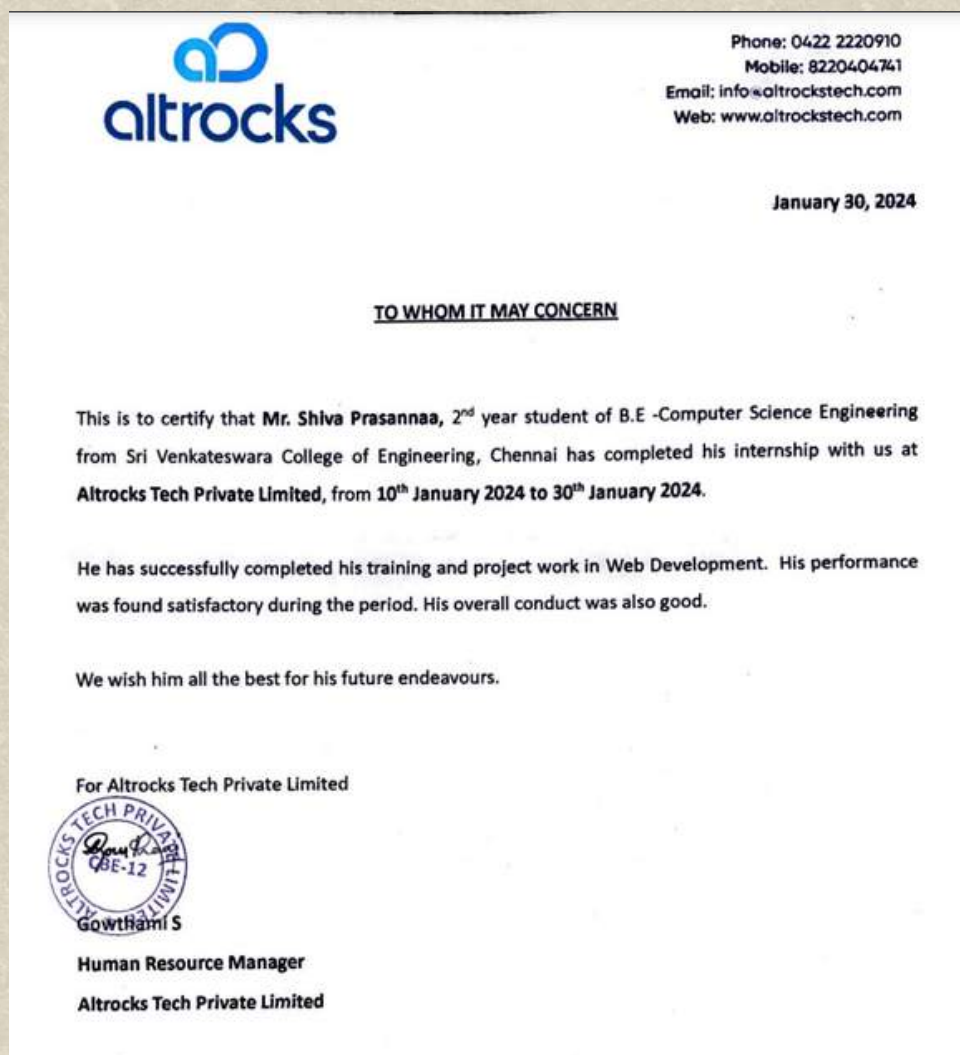
Internship Certification

- **Ms. V. Shanmathi, II/CS**, undergone the **“Virtual Internship Training on Android Application Development”** for a period of two weeks from 10.01.2024 to 24.01.2024.



Internship Certificate

- **Mr. Siva Prasanna, II/CS**, undergone the **“Web Development”** in **ALTROCKS Tech Private limited** for a period of three weeks.



Internship Certificate

- **Mr. E. M. Rathinadevan, Mr. B. Praveenkumar, II/CS,** have Participated in the **“18th India Digital Summit-Make-a-Thon 2024”** organized by **Open Weaver and ICT Academy at Mumbai** during the period 27.2.2024 to 28.2.2024. Jaipur on 17.1.2024 and 18.1.2024.



Glimpse of India Digital Summit

- **Mr. V. Arun Solaiappan, IV/CS,** has won the Second place in Solo Instrumental Event in Kalakrithi, an inter-collegiate techno-cultural event, **organised by Alpha Arts and Science College, Porur, Chennai** on 24.2.2024.



Certificate of Appreciation



- Mr. S. Muralidharan, Mr. S. Kailash, Mr. S. Lakshan and Mr. M. Karthik of II/CS/B, have been awarded the “Runner Up” position for the project “Ambulance Prioritised Traffic System” with a cash prize of Rs. 10,000 for their presentation in the **I-CUBE3.0**.



Certificate of Appreciation



- A National Level Inter Collegiate Technical Event organized by The Students' Council in association with the SVCE Science Club held at Sri Venkateswara College of Engineering during February 16-17, 2024.



Certificate of Appreciation

- **Ms. R. NIRUPAMA, Ms. V. S. RAKSHITH RAJ, AD,** have received the **INTRAMURAL FUND** for their UG PROJECT as **Elevating Search and Rescue in Avalanche and Remote Regions for Detecting Victims.**
- **Ms. R. S. SAI PRITHVI, Mr. B. SOORYA, YASHWANTH and Mr. A. KRISHNAN, CS,** have received the INTRAMURAL FUND for their UG PROJECT as **3D Reconstruction of Heritage Sites from Images using Soft Edge Enhanced Deep Learning.**
- **Ms. M. PADMAVATHI, Ms. V. PREETHA, Mr. S. RAGHUL, Mr. CHELLAPANDIYAN, CS,** have received the INTRAMURAL FUND for their UG PROJECT as **Cyber threat intelligence mining for organizational cyber security resilience.**

FACULTY ACHIEVEMENTS AND INTERACTIONS

ACADEMIC YEAR
2023-2024



FACULTY ACHIEVEMENTS

- **Dr. R. Jayabhaduri, Prof. / CSE**, mentored “Elevating Search and Rescue Operations in Avalanche and Remote Regions for Detecting Victims” for the team comprising Ms. R. Nirupama and Mr. V. S. Rakshith Raj has been selected for Intramural Funding for an amount of Rs.10,000/- for the academic year 2023-2024.
- **Dr. R. Jayabhaduri, Prof. / CSE**, and Mr. Aadesh, Mr. Vijayaraghavan, Mr. R. Ajay Karthik, Mr. G. Ceralaathan and Mr. S. Sai Sailesh, IV/AD, submitted a proposal titled “AI Powered Chatbot for Mental Health Treatment” to TNSDC-Naan Mudhalvan - Anna University - Niral Thiruvizha (Hackathon), Anna University, Chennai in February 2024.



FACULTY ACHIEVEMENTS

- **Dr. P. Vinothiyalakshmi, Assoc Prof. / CSE,** attended 3 days Workshop on “Emerging Data Engineering Technologies” organized by the Department of Computer Science & Engineering, Sri Venkateswara College of Engineering, Sriperumbudur-602 117 from 29-01-2024 to 31-01-2024.
- **Dr. P. Vinothiyalakshmi, Assoc Prof. / CSE,** attended ‘5 Days STTP on Quantum Computing’ organized by the Department of Computer Science and Engineering, SVCE from 5 th February to 10th February 2024.
- **Dr. P. Vinothiyalakshmi, Assoc Prof. / CSE,** **Mr. P. Selvamani, AP/CSE,** Co-ordinated the Club: “Web pageantry” on 13.02.2024.



FACULTY ACHIEVEMENTS

- **Dr. S. Rajalakshmi, Assoc Prof. / CSE**, attended a 5 day STTP on Quantum Computing organized by the Department of Computer Science and Engineering, SVCE from 5th February to 10th February 2024.
- **Dr. S. Rajalakshmi, Assoc Prof. / CSE**, received certificate of excellence in Peer-Reviewing in recognition of an outstanding contribution to the quality of the book 5th February 2024.



Certificate of Appreciation



FACULTY ACHIEVEMENTS

- **Dr. P. Geetha, AP/CSE**, organized a 5 days STTP on Quantum Computing from 05.02.2024 to 10.02.2024, Department of CSE, SVCE, Chennai.
- **Dr. P. Geetha, AP/CSE**, published a Book titled as “Introduction to Computer Science using Python”, RK Publications, ISBN 978-81-968621-3-8, First Edition, 2023.
- **R. K. Kapilavani AP/CSE**, organized a 5 days STTP on Quantum Computing from 05.02.2024 to 10.02.2024, Department of CSE, SVCE, Chennai.
- **Ms. T. Padmavathy, AP/CSE**, attended a FDP on Innovative Computing Technologies for Healthcare systems, SPIHER, Chennai during the period 19-02-2024 to 23-02-2024.



FACULTY ACHIEVEMENTS

- **Mr. R. Senthil kumar, AP/CSE**, attended a National level Seminar on “Anticipating and Proactively Resolving Emerging Cyber Security Challenges”, organized by Department of Computer Science and Engineering, SVCE on 09-01-2024.
- **Mr. R. Senthil kumar, AP/CSE**, attended a “Faculty Sensitisation Programme” organized by the Standards Club – SVCE on 10-01-2024.
- **Mr. R. Senthil kumar, AP/CSE**, attended a 3 days Workshop on Emerging Data Engineering Technologies organized by the Department of Computer Science and Engineering, SVCE from 29-01-2024 to 31-01-2024.



FACULTY ACHIEVEMENTS

- **Ms. R. Iyswarya, AP/CSE**, attended one week international faculty development programme on "emerging tools and techniques in machine learning and Data Science" by the dept of computer science and engineering, Madanapalle in association with CSI from 05-02-2024 to 10-02-2024.
- **Ms. S. Poorani, AP/CSE**, has completed her Synopsis meeting titled "Ensuring Privacy Preserving in Cloud Environment using Quantum Safe Blockchain Key Management System and Opacus Encryption" under the guidance of Dr. R. Anitha On 13.02.2024.



FACULTY ACHIEVEMENTS

Ms. T. Padmavathy, AP/CSE, attended a Short Term Training Programme on Quantum Computing, SVCE, Chennai during the period 06-02-2024 to 10-02-2024

Ms. S. Janani, AP/CSE, attended a Short Term Training Programme on Quantum Computing, SVCE, Chennai during the period 06-02-2024 to 10-02-2024.

Ms. S. Janani, AP/CSE, attended a FDP on Innovative Computing Technologies for Healthcare systems, SPIHER, Chennai during the period 19-02-2024 to 23-02-2024.

Ms. P. Uma, AP/CSE, Attended Three day workshop on “Emerging Data Engineering Technologies” organized by Department of CSE, SVCE from 29/01/2024 to 31/01/2024.



- **Ms. P. Shobhanjaly. Nair, AP/CSE**, Attended Three day workshop on “Emerging Data Engineering Technologies” organized by Department of CSE, SVCE from 29/01/2024 to 31/01/2024.
- **Ms. P. Shobhanjaly. Nair, AP/CSE**, Attended the “Faculty Sensitisation Programme”, Organized by the Standards Club – SVCE in association with BUREAU OF INDIAN STANDARDS on 10/1/2024.
- **Mr. M. Lakshmanan, AP/CSE**, participated in the International Multi-disciplinary Conference on Engineering, Technology, and Management held on February 25th, 2024, at the BITS Pilani Dubai Campus,UAE.

Certificate of Appreciation



FACULTY ACHIEVEMENTS

Guest Lectures

- **Dr. R. Anitha, HOD / CSE**, delivered an insightful talk titled Project Management and Leadership on 26-2-2024 as a part of the DST sponsored online Women Entrepreneurship Development Program (WEDP'24) organized by SVCE-EPIC.
- **Dr. R. Anitha, HOD / CSE** and **Ms. S. Keerthana, AP / CSE**, organized an Health talk for I year students by Apollo shine foundation on 22.02.2024 from 1.15 PM to 3.15PM, in the Multi Purpose Hall, SVCE.
- **Dr. R. Jayabhaduri, Prof. / CSE**, delivered a guest lecture on "Introduction to Computer Vision" for the Valued Added Course on Signal Processing organized by the department of Electronics and Communication Engineering, Sri Venkateswara College of Engineering, on Feb 1,2024.



FACULTY ACHIEVEMENTS

Guest Lectures

Dr. V. Rajalakshmi, Assoc. Prof. / CSE, delivered a guest lecture on the topic “Third Generation Neural Networks” in the Anna University Sponsored FDTP organized by the Department of Computer Science and Engineering, Rajalakshmi Institute of Technology on 07/02/2024.

Glimpse of Lecture



FACULTY ACHIEVEMENTS

Guest Lecture

Dr. V. Rajalakshmi, Assoc. Prof. / CSE, delivered a guest lecture on the topic “Machine learning classifiers using Python” in the Value added course on signal processing using simulation tools organized by the Department of Electronics and Communication Engineering, Sri Venkateswara College of Engineering on 02/02/2024.



Glimpse of Lecture

FACULTY ACHIEVEMENTS

Conference Proceedings

Dr. R. Jayabhaduri, Prof. / CSE, acts as a Technical Program Committee Member for the 3rd International Conference on Advanced Communication and Intelligent Systems (ICACIS-2024) jointly organized by Jawaharlal Nehru University (JNU) New Delhi and Warsaw Management University, Poland, going to happen in Jawaharlal Nehru University (JNU) New Delhi during May 16-17, 2024.

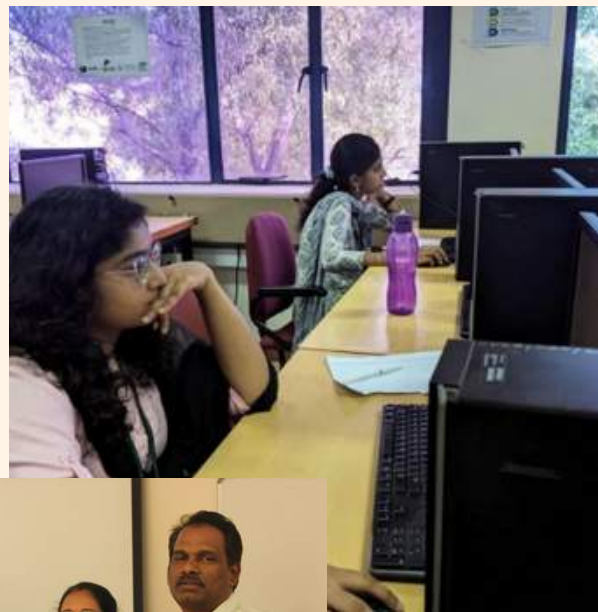


Certificate of Appreciation



FACULTY ACHIEVEMENTS

Mr. K. Srinivasan, AP/CSE and Ms. G. Janakasudha, AP/CSE, coordinated Code Fiesta-II, organized by ACE, took place on February 5, 2024. The event showcased two exciting rounds, combining the thrill of online coding challenges with the competitive spirit of participants.



FACULTY ACHIEVEMENTS

Mr. Selvamani, AP / CSE, participated in the training program on cloud computing conducted by TalentNext from 12 Feb to 16 Feb 2024.



Certificate of Appreciation

FACULTY ACHIEVEMENTS

Dr. T. Rajasekaran , Assoc Prof. / CSE, participated in the training program on cloud computing conducted by TalentNext from 12 Feb to 16 Feb 2024.



Certificate of Appreciation

FACULTY ACHIEVEMENTS

Mr. Suresh Kumar, Assoc Prof. / CSE, participated in the training program on cloud computing conducted by TalentNext from 12 Feb to 16 Feb 2024.



Certificate of Appreciation



FACULTY ACHIEVEMENTS

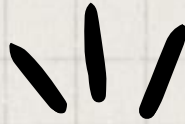
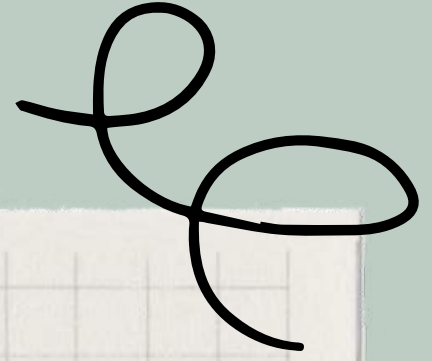
- **Ms. M. Shanthalakshmi, AP/CSE**, attended a STTP programme on Quantum Computing, organized by SVCE during the period 05-2-2024 to 09-2-2024.
- **Ms. M. Shanthalakshmi, AP/CSE**, acted as a mentor for Mr. E. M. Rathinadevan, Mr. B. Praveenkumar, II/CSE/B, in “18 th India Digital Summit -Make-a-Thon 2024” organized by Open Weaver and ICT Academy at Mumbai during the period 27-2-2024 to 28-2-2024.
- **Ms. M. Shanthalakshmi, AP/CSE**, acted as a Reviewer for Optical and Quantum Electronics, Springer Nature and Entertainment Computing, Elsevier.



FACULTY ACHIEVEMENTS

- **Ms. G. Janakasudha, AP/CSE**, acted as a mentor for CS students titled “3D Reconstruction of Heritage Sites from Images using Soft Edge Enhanced Deep Learning”, has been selected for Intramural Funding for the academic year 2023-2024.
- **Ms. E. Kiruthiga, AP/CSE**, acted as a mentor for CS students titled “Cyber threat intelligence mining for organizational cyber security resilience”, has received the Intramural Fund for their UG Project academic year 2023-2024.

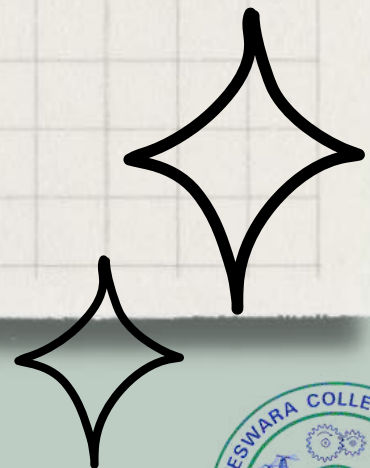




RESEARCH ACTIVITIES

DEPARTMENT OF
COMPUTER SCIENCE

FEBRUARY 2024



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. M. Balamurugan, Prof - CSE

Area of Interest: Artificial Intelligence, Machine Learning, Intelligent Networks, Internet-of-Things.

Research Supervisors



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.



Dr. M. S. Girija, Assistant Professor - CSE

Area of Interest: Wireless Sensor Networks, Artificial Intelligence and Machine Learning, Data Science and Analytics, Natural Language Processing

PUBLICATIONS

Dr. R. Anitha, HOD / CSE, Mr. E. Sivakumar, has presented a research paper titled: MACHINE TRANSLATION: A COMPREHENSIVE SURVEY KANITAMIL'24 is presented in the International KaniTamil24 Conference on 8.02.2024 - 09.02.2024 - Tamil Virtual Academy.



Certificate of Appreciation

- **Dr. R. Anitha, HOD / CSE**, acted as a DC Member for the First DC Meeting for the Part Time Research Scholar, Mr Shine Babu Dhas, SSN College of Engineering on 21.02.2024.
- **Dr. R. Anitha, HOD / CSE**, submitted a funded project proposal to Bureau of Indian Standards title, "Use Case Testing in Cloud Interoperability and Portability on 20.02.2024.
- **Dr. R. Anitha, HOD / CSE**, has acted as Session chair in the 7th International Conference on Computational Intelligence in Data Science (ICCIDS 2024), 21 - 23 February, 2024, Sri Sivasubramaniya Nadar College of Engineering, Chennai, Tamil Nadu, India.

- **Dr. R. Jayabhaduri, Prof. / CSE**, acted as reviewer for the 8th International Conference on Computer, Communication and Signal Processing ICCCS 2024, organized by the Department of Information Technology, Sri Sivasubramaniya Nadar College of Engineering, Rajiv Gandhi Salai, Kalavakkam.
- **Dr. R. Jayabhaduri, Prof. / CSE**, acted as a Technical Program Committee Member for the 3rd International Conference on Advanced Communication and Intelligent Systems (ICACIS-2024) jointly organized by Jawaharlal Nehru University (JNU), Warsaw Management University, Poland, going to happen in Jawaharlal Nehru University (JNU) New Delhi during May 16-17, 2024.
- **Dr. R. Jayabhaduri, Prof. / CSE**, mentored “Elevating Search and Rescue Operations in Avalanche and Remote Regions for Detecting Victims” has been selected for Intramural Funding for an amount of Rs.10,000/- for the academic year 2023-2024.

PUBLICATIONS

- **Dr. V. Rajalakshmi, Assoc. Prof. / CSE,** (2024). Climatological Rainfall Forecasting Using LSTM: An Analysis of Sequential Input and Data Window Input Approaches. In: Nanda, S.J., Yadav, R.P., Gandomi, A.H., Saraswat, M. (eds) Data Science and Applications. ICDSA 2023. Lecture Notes in Networks and Systems, vol 821. Springer, Singapore. https://doi.org/10.1007/978-981-99-7814-4_25.
- **Dr. V. Rajalakshmi, Assoc. Prof. /CSE,** Submitted a funded project proposal titled “Liquid Neural Network(LNN) based deep learning approach for change detection of infrastructure& its prediction using satellite images” to ISRO Center: National Remote Sensing Centre (NRSC), Hyderabad on 01/02/2024.



PUBLICATIONS

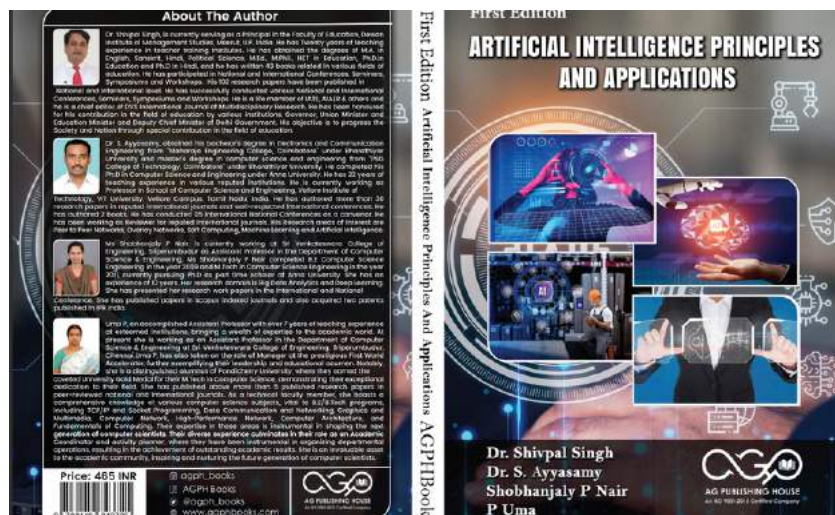
- **Dr. S. Rajalakshmi , Assoc Prof. / CSE,** published a paper titled as (2024). Personalized Online Book Recommendation System Using Hybrid Machine Learning Techniques. International Journal of Intelligent Systems and Applications in Engineering, 12(15s), 39–46.
- **Dr. S. Rajalakshmi , Assoc Prof. / CSE,** published a paper titled as "Alzheimer Disease Severity Prediction using Response Rate of Five-Word Test," IEEE 9th International Conference on Smart Structures and Systems (ICSSS), CHENNAI, India, 2023, pp. 1-4, doi: 10.1109/ICSSS58085.2023.10407061.
- **Dr. S. Rajalakshmi , Assoc Prof. / CSE, Ms. J. Buvana, AP/CSE,** and Ms. S. Bhavya, IV/CS, Mr. T. K. Anantha Krishnan, IV/CS, Mr. S. Dharan, IV/CS, published a patent titled as “A FRAMEWORK FOR PLANT LEAF DISEASE CLASSIFICATION”.

PUBLICATIONS

- **Dr. T. Padmavathy, Assoc. Prof. / CSE**, published a paper “Suspension Control Sensors Embedded with Smart Grid- Smart Car System”, Procedia Computer Science 230 (2023) 297–304.
- **Dr. P. Geetha, AP / CSE** and **Ms. R. K. Kapila Vani, AP / CSE**, published a Book titled as “Introduction to Computer Science using Python”, RK Publications, ISBN 978-81-968621-3-8, First Edition, 2023.
- **Ms. S. Poorani, AP / CSE**, has completed her Synopsis meeting titled “Ensuring Privacy Preserving in Cloud Environment using Quantum Safe Blockchain Key Management System and Opacus Encryption” under the guidance of Dr. R. Anitha On 13.02.2024.

PUBLICATIONS

- **Ms. P. Uma, AP / CSE**, Published a book titled "Artificial Intelligence Principles and Applications", AG Publishing House ISBN 978-81-19843-72-5.
- **Ms. Shobhanjaly P Nair, AP / CSE**, Published a book titled "Artificial Intelligence Principles and Applications", AG Publishing House ISBN 978-81-19843-72-5.



Book published by **Ms P. Uma, AP / CSE** and **Ms. Shobhanjaly P Nair, AP / CSE**

PUBLICATIONS

- **Ms. M. Shanthalakshmi, AP/CSE**, acted as a Reviewer for Optical and Quantum Electronics, Springer Nature.
- **Ms. M. Shanthalakshmi, AP/CSE**, acted as a Reviewer for Entertainment Computing, Elsevier.

REVIEWER

- **Dr. N. Rajganesh, Associate Professor/CSE**, acted as reviewer in Knowledge and Information System, Springer.

RESEARCH OBJECTIVE MEETING

- Research Objective Meeting is Conducted on 27-02-2024 [Tuesday], 3.15 PM at CSLAB 8. **Dr. N. Rajganesh, Associate Professor, Ms. E. Kiruthiga, AP - RO InCharge** have arranged this meeting.
- **Dr. R. Anitha, HOD/CSE** addressed the importance of Research and its publications.
- The RO in charges have given the overview about the Research Objectives and discussed about the Research Progress.
- Opportunities about the various funding proposals have been discussed for the further actions.



2024 - 25
ADMISSION
NOW OPEN
M. E (CSE)

SRI VENKATESWARA COLLEGE OF ENGINEERING

ABOUT SVCE

Sri Venkateswara College of Engineering (Autonomous) is a premier self-financing institution started in the year 1985. The college offers 10 B.E./B.Tech. Courses and 10 M.E./M.Tech. courses in Engineering and Technology. The courses are approved by AICTE and the college is affiliated to Anna University, Chennai. The college is accredited by National Assessment and Accreditation Council (NAAC).

ABOUT PROGRAMME

The advanced level courses and M.E. thesis lay foundations for potential level research work in the field of CS. The aim of the Department is to train them in deeper theoretical knowledge and enable them to tackle practical complex problems of design and development in industrial fields as well as to pursue further academic achievements through research.

SALIENT FEATURES

Anna University recognized research centre with 20+ candidates awarded Ph.D. in our department. Curriculum includes core and new-age technologies like AI, ML, IoT, Robotics, Cloud computing, Edge, Data analytics, AR, VR, Cybersecurity, Block Chain, etc. Consultancy are carried out in the niche areas like AI, ML, IoT, Cloud computing. Providing 100% placements in leading companies and conducting periodic higher education guidance by experts from various universities.

Head of the Department,
Department of Computer Science and Engineering,
Sri Venkateswara College of Engineering,
Sriperumbudur.

SUPPORT FOR PG

Technical support is provided to post graduate students by subject experts from various industries. Students can access IEEE, Springer, ACM, Elsevier and reputed journals through online. NPTEL and online video lectures for specific courses are also available.

SCHOLARSHIPS:

- Merit Scholarship, Merit cum Means Scholarship
- Economic means Scholarship, Management scholarship for GATE scorers.
- Sponsorship for students to attend National/International conferences.

ELIGIBILITY CRITERIA

B.E. / B.Tech

1. Information Technology
2. Computer Science and Engg.
3. Software Engineering
4. Computer and Communication Engg.
5. Electronics and Communication Engg.
6. Information Science and Engineering
7. Computer Science
8. Artificial Intelligence and Data Science
9. Computer Science and Business Systems
10. Computer Science and Technology
11. Cyber Security
12. Artificial Intelligence and Machine Learning
13. Computer Science and Engineering (Artificial Intelligence)
14. Computer Science and Engineering (Artificial Intelligence and Machine Learning)
15. Computer Science and Engineering (Cyber Security)

MAJOR FACILITIES

- Artificial Intelligence Laboratory
- Data Sciences Laboratory
- High-Performance Computing Test bed
- Grid and Cloud Computing Laboratory
- Campus-wide Wi-Fi facility
- Access to reputed journals
- ICT-enabled classrooms
- Industry-collaborated laboratories such as Vyvoxel and SM Enterprises

RECRUITERS



amazon

Cognizant



Infosys



sahaj

freshworks

MAD
MAD STREET DEN

ZOHIO



TIGER
ANALYTICS



Ph: 044-27152000, Ext : 300

Email: hodcs@svce.ac.in



◆ DEPARTMENT OF ◆
COMPUTER SCIENCE AND ENGINEERING

CSE BYTES
EDITORIAL TEAM

Dr. N. RAJGANESH, ASSOC. PROF. / CSE

Dr. S. D. NANDAKUMAR, AP / CSE

Ms. R. POORNI, AP / CSE

Ms. P. Kaviya, AP/CSE

SRI VENKATESWARA COLLEGE OF
ENGINEERING
(AUTONOMOUS)

P.B NO: 1, PENNALUR, SRIPERUMBUDUR –
602 117



◆ DEPARTMENT OF ◆
COMPUTER SCIENCE AND ENGINEERING

CSE BYTES
EDITORIAL TEAM

Ms. D. SHALINI, III / CSE

Ms. R. SWATHI, III / CSE

Ms. J. SRINITHI GANESH, III / CSE

Ms. V. SANGEETHA, III / CSE

Ms. S. VARNIKHA VARSHINI, II / CSE

Ms. T. SHRUTHI, II / CSE

SRI VENKATESWARA COLLEGE OF
ENGINEERING
(AUTONOMOUS)

P.B NO: 1, PENNALUR, SRIPERUMBUDUR –
602 117



SVCE

CSE-BYTES



Sri Venkateswara College of Engineering

Pennalur Village, Chennai - Bengaluru High Road, Sriperumbudur Tk. - 602 117, Kancheepuram

Dist. Tamil Nadu, India

+91-44-27152000

