



SvCE | Sri Venkateswara
College of
Engineering

SvCE IQAC
Consciousness for Quality

DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING



NEWSLETTER
MAY 2023
(VOL. 6, ISSUE 5)



CSE-BYTES

SVCE

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

CSE - BYTES



NEWSLETTER
ACADEMIC YEAR: 2022-2023
VOLUME 6, ISSUE 5
(MAY2023)



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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

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 team work:** 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.



B.Tech - Artificial Intelligence and Data Science

PROGRAM OUTCOMES (POS)

Engineering Graduates will be able to:

- **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 team work:** 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 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.
- **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.



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



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/CSE



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

Student Achievements

STUDENT ACHIEVEMENTS

AWARDS & PRIZES

Mr. B. Soorya, III/CSE, was recognized with award for excellence and contribution as General Secretary for Student Council for the year 2022-2023.



Award for excellence and contribution

STUDENT ACHIEVEMENTS

AWARDS & PRIZES

Ms. A K Shreemirrah, Mr. A. Vishnuvardan, II/AD, received “Budding Bright Engineer Award” for the year 2023.

Mr. K Karthick, III/CSE, won second prize in the Deadlock Opener event conducted by the computer science department of CEG, ABACUS'23 on 5 May 2023 and also received a cash prize of Rs.1000.



Budding Bright Engineer Award



STUDENT ACHIEVEMENTS

AWARDS & PRIZES

Ms. U. Sadana, IV/CSE, received MSP Award of Excellence for the year 2022-23.

Ms. B. Sowndarya, III/CSE, received KS Girl Achiever Award for the year 2022-23.



Student Achiever Awards

STUDENT ACHIEVEMENTS

AWARDS & PRIZES

Mr. M. S. Shahid Ahmed, Ms. S. K. Sangeetha, Ms. K. Trisha, III/CSE, Dr. T. Padmavathy, Assoc. Prof. /CSE, won the Best Paper award for presenting the paper entitled "Shasthri Life Saving System" in NCICRCET'23.



Certificate of Appreciation

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Mr. B. Soorya, III/CSE, Ms. U. J. Akshara, III/IT, secured 2nd place in National Level Paper Presentation competition Business Plan : Rewired conducted by New Delhi Institute of Management (NDIM) conducted on May 6th - 8th, 2023 and Won 6,000/- Cash prize. Business Plan: Rewired is a paper presentation competition for aspiring business leaders to revolutionize the corporate world by defying conventions and imagining new directions. Our students reimagined business models and strategies leading failed enterprises toward prosperity. The event gave our students to showcase their analytics skill by finding market gaps and turn them into opportunities while engaging with industry experts and like-minded individuals.

Ms. Yerragogu Rishitha, Ms. S. Shwetha, Ms. R. Sunandita, Ms. Sai Manushrii - II/CSE, have participated in the SheHacks 6.0 online hackathon organised by IIIT Allahabad between the 5th of May and 7th of May. Their project, “A web application to resell unused railway tickets” was well perceived and was selected as one of the TOP-8 FINALISTS of the event.

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Ms. V. G. Oviya, III/CSE, participated as a master of ceremony in the PALS TECHNOLOGY SPEAKS conducted on 27.10.2022.



Certificate of Appreciation

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Ms. T. Pooja, Ms. Nitya Samavedam, III/CSE, participated as a student speaker in the PALS TECHNOLOGY SPEAKS conducted on 27.10.2022.



Certificate of Appreciation



STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Mr. Abhinav Krishna, Mr. P. B. Akash and Ms. C. Aditi, II/AD, presented the paper titled as “An Application that Addresses the Emergency Traffic Control for Ambulance ” in the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Department of CSE, SVCE on 04/05/2023.

Mr. S. Akaash, Mr. S. Ganesh, Mr. Sai Ganesh, II/AD, were the student organizers for the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23, Department of CSE, SVCE on 04/05/2023.

Ms. S. Lakshmi Narayanan, Ms. S. Krithika, III/CSE/B, presented and received a Best paper titled as “Performance Study of Machine Learning Algorithms for Diabetic Prediction Using Cloud Computing” in the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Department of CSE, SVCE on 04/05/2023.

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Mr. B. Pratosh, Mr. D. S. Pranav, III/CSE, participated as a student speaker in the PALS TECHNOLOGY SPEAKS conducted on 27.10.2022.



Certificate of Appreciation



STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Ms. A. V. Suchitha, IV/CSE, presented a paper ‘Enhancing Storage Space in Docker using Quota Feature’ at the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Sri Venkateswara College of Engineering, Sriperumbudur on 4th May 2023.

Mr. M. Balaji, III/CSE, attended a training programme on Networking with Edulab, Chennai during the period 04-12-2022 to 10-12-2022.

Ms. A. Pooja, Mr. J. Pradeep Krishna, Ms. P. K. Prathika, Mr. R. Praveen Kumar, Mr. Rohan Jeyan, Ms. O. S. Roshna, Mr. S. Shoban, Mr. V. Rohit, I/AD, participated in Ease-the-error 3.0 Hackathon in Sri Venkateswara College of Engineering, Sriperumbudur on 15, 16 May 2023.



STUDENT ACHIEVEMENTS

NPTEL

ACADEMIC YEAR : 2022 - 2023 - EVEN					
INTRODUCTION TO INTERNET OF THINGS					
YEAR	ELITE + GOLD	ELITE + SILVER	ELITE	SUCCESSFULLY COMPLETED	TOTAL
III - CS	0	6	28	6	40
BLOCKCHAIN AND ITS APPLICATION					
III - AD	0	0	2	7	9



Placement Activities



ACADEMIC YEAR

2022-2023





PLACEMENT EVENTS

CAMPUS PLACEMENT TRAINING (2022-2023)

REPORT

The Placement factor is one of the important goal for SVCE for making its student's life more brighter. Knowing that the students will be guided after your graduation so that they land a job helps you feel secure. This is the reason why we have a dedicated placement cell that helps, guides, and advises students about the future.

In SVCE, students come from all walks of lives. They come from different parts of the country including rural areas. Some individuals may not be aware of how things work. Some others may not be confident enough to walk into an interview even though they are skilled. These problems are more common and our skilled placement panel are helping students to get placed in top companies. Placement training plays a major role in shaping up the career goals of students. It is the dream of every engineering student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is realized that training is important for engineering students to enhance their employability skills and achieve good placement in various Industries.





PLACEMENT EVENTS

THE MAIN OBJECTIVE OF THIS PLACEMENT TRAINING IS:

- 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.

TO ACCOMPLISH THIS GOAL SVCE HAS ROPED IN “SPRINGBOARDS”

SPRINGBOARDS in creating the required Campus Placement Training contents to ease student’s employability. It is also associated with prime Industrial Chambers enable them to know the market trend and people demand which enables them to align the students according to the requirement with proper training.

SPRINGBOARDS CAMPUS PLACEMENT TRAINING

SPRINGBOARDS CPT involves Verbal, Aptitude and Technical segments. They have skilled trainers who suitably modify their teaching method according to students understanding and make them to avail employment opportunities. They have training modules and methodology to the institution’s requirements. They also own a online test tool to continuously follow the progress of each and every individual’s performance.



PLACEMENT EVENTS

CAMPUS PLACEMENT TRAINING FOR FIRST YEAR

Training Dates: 05/12/22 to 08/12/22 and 12/12/22 to 13/12/22

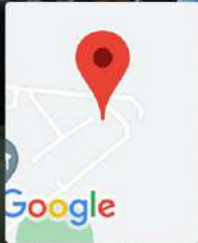
S.No	Soft skill	Verbal	Quantitative	Reasoning
1	Mind mapping.	Parts of speech : Vocab (synonyms-antonyms-affixes)	Average	Coding deductive logic
2	Creativity	Voice (Active and Passive)	Mixtures and Allegations	Directional sense
3	Team Work	Idioms and phrases	Profit and loss	Logical word sequence
4	Stress management	Subject verb agreement	Simple and compound interest	Selection decision
5	Problem solving and Decision making		Time and work	Tables
6	Problem solving and Decision making		Time and work	Tables
7	Data interpretation		Time and work	Cross variables
8				Venn diagrams



PLACEMENT EVENTS

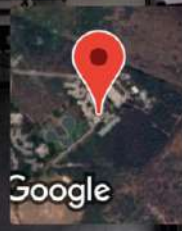
CAMPUS PLACEMENT TRAINING FOR FIRST YEAR

Training Dates: 05/12/22 to 08/12/22 and 12/12/22 to 13/12/22



Kancheepuram, Tamil Nadu, India
 XXQF+FJ6, Tamil Nadu 602105, India
 Lat 12.988427°
 Long 79.974272°
 03/12/22 09:30 AM GMT +05:30

Glimpses of Training



Kancheepuram, Tamil Nadu, India
 Svce College, valarpuram Tamil Nadu 602105, India
 Lat 12.988138°
 Long 79.974495°
 03/12/22 09:30 AM GMT +05:30



PLACEMENT EVENTS

AECC Global Carrier Guidance

The guidance provided by AECC Global Carrier can prove invaluable in navigating the complexities and intricacies of applying to and studying in universities abroad. By this program students can possess comprehensive knowledge of the application processes, admission requirements, and academic programs offered by various institutions across different countries.



AECC Global Carrier Guidance Program on 12th May 2023



PLACEMENT EVENTS

Training and Placement

The Training and Placement Cell (TPC) plays a crucial role in the career development of students in educational institutions. It serves as a bridge between the students and the industry, facilitating the recruitment process and helping students acquire the necessary skills and knowledge to succeed in their careers.

The Department of Training and Placement conducts many 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.



PLACEMENT EVENTS

Companies Visited

S.No	Company Visited	Batch	No of Students Placed
1.	EmbedUr	2020-2024	3
2.	Sahaj AI	2020-2024	1
3.	Facilio	2020-2024	Results Awaited
4.	Daimler	2020-2024	Ongoing
5.	Propel	2020-2024	Nil
6.	Just Dial	2019-2023	Results Awaited
7.	ZakApps	2019-2023	Results Awaited



PLACEMENT EVENTS



EmbedUR Systems



Sahaj AI

Placed Students

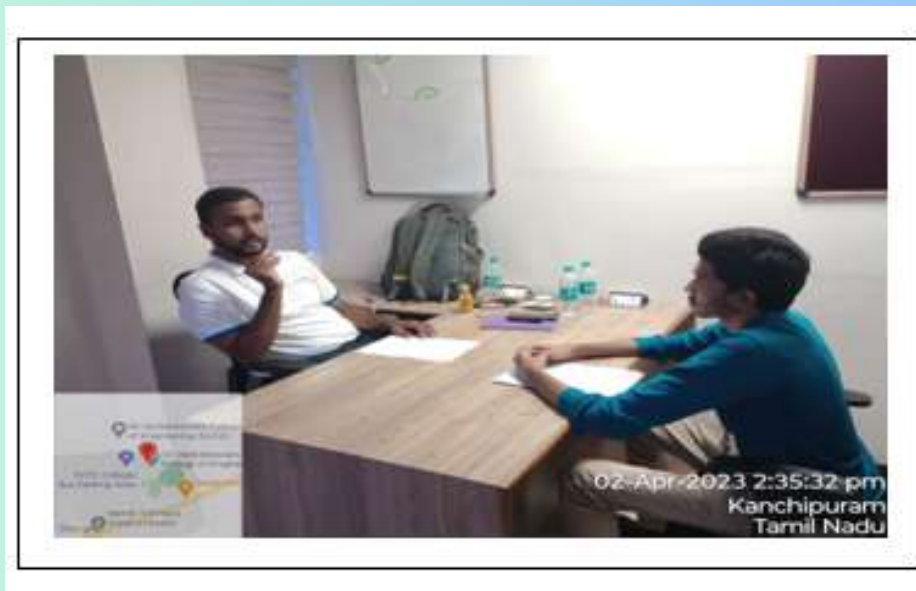




PLACEMENT EVENTS

Mock Placement Drive

A mock interview, also known as a practice interview, is a simulation of an actual job interview. It provides job seekers with an opportunity to practice for an interview and receive feedback on their interviewing skills.



Mock Placement held on April 02, 2023



PLACEMENT EVENTS

Mock Placement Drive

A mock interview helps the students to learn how to answer difficult questions, develop interview strategies, improve your communication skills, and reduce your stress before an actual job interview. Such interviews are conducted by Department of Placement in regular intervals for the benefit of students to get the taste of the entire placement process during the Campus Placements. Industry HRs attend the process to help the students in gauging their Aptitude, Technical and other skills and give them their valuable suggestions.



Mock Placement





PLACEMENT EVENTS

Faculty Development Program

SVCE and Placement cell will be implementing a range of training programs in focus with enhancing the skill set of the faculties. These FDP programs are designed to enhance the faculty skills as a whole in a better way of delivery. The Faculty Development programs encourage faculty members to gain knowledge on the subject areas and provide innovative approaches to develop the teaching - learning process.

Faculty skill enrichment program on Data Analytics

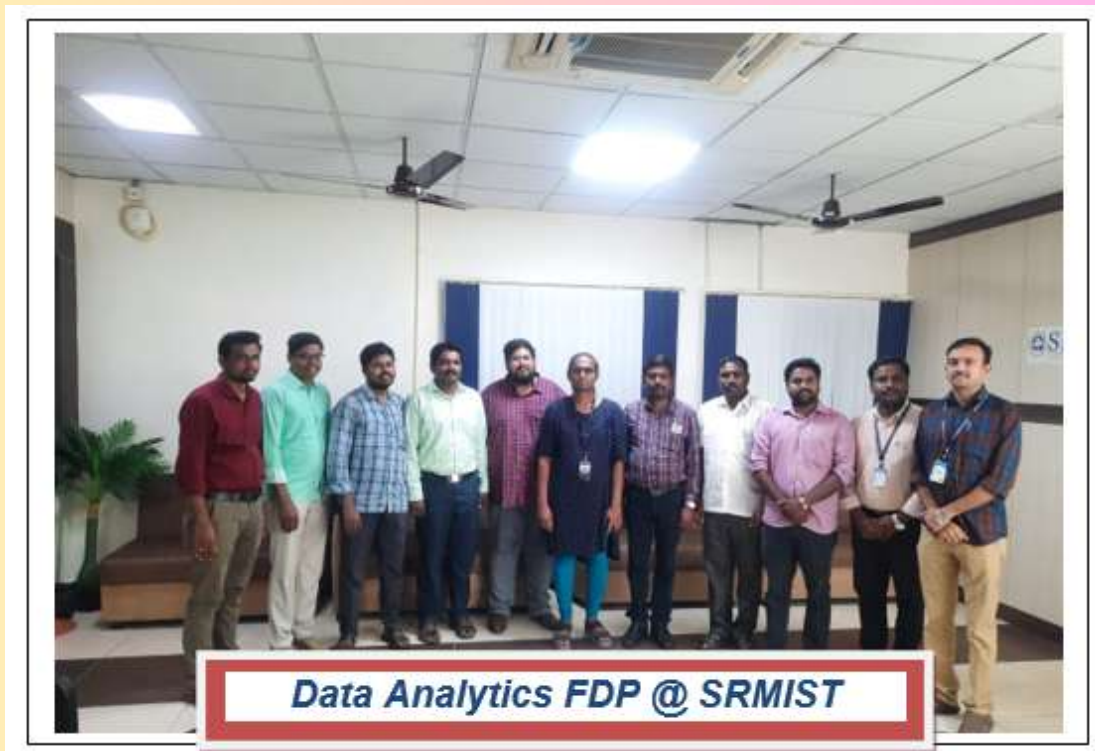
A one-week faculty skill-enrichment programme on "Data Analytics" was held at SRMIST Kattankulathur from April 24 through April 28, 2023, by the placement cell in collaboration with The math company.



PLACEMENT EVENTS

Faculty Development Program

Mr. M. Sureshkumar, Assoc. Prof./CSE, Dr. T. Rajasekaran, Assoc. Prof./CSE, Mr. M. Lakshmanan, AP/CSE, Mr. G. Ilamurugan, AP/CSE, and Mr. P. Murugan, AP/CSE, attended one-week faculty skill-enrichment programme on "Data Analytics" was held at SRMIST Kattankulathur from April 24 through April 28, 2023, by the placement cell in collaboration with The math company.





PLACEMENT EVENTS

Tech talk

Training and placement call organized a technical session on “Impact of Big Data & Cloud in modern era” on 11th April 2023. Mr. Vetrivel Raju, Data & Analytics, senior leader from M/S Mindtree Ltd., was delivered the technical session to our faculties and CSE / AI&DS Pre Final Year Students.



Glimpses of Tech talk





PLACEMENT EVENTS

AECC Global – Seminar on Higher Studies

Date: 16th March 2022

Location: Presentation Hall, Placement Cell

A seminar on higher studies was organized by the placement cell and delivered by AECC Global for pre-final year students wishing to go abroad for higher studies. Important topics listed below were covered.

- § Basic academic requirements,
- § Documentation requirements,
- § Application deadlines,
- § Opening dates for applications of programs in various countries (USA, UK, Australia, Germany, Ireland, etc.),
- § Tips on writing Statement of purpose, and
- § Need for recommendation letter were covered.

Additional tips on how to start their preparation was also delivered by the company personnel. The overall feedback of the students was good and was informative, as they are currently in the initial stages of preparation.



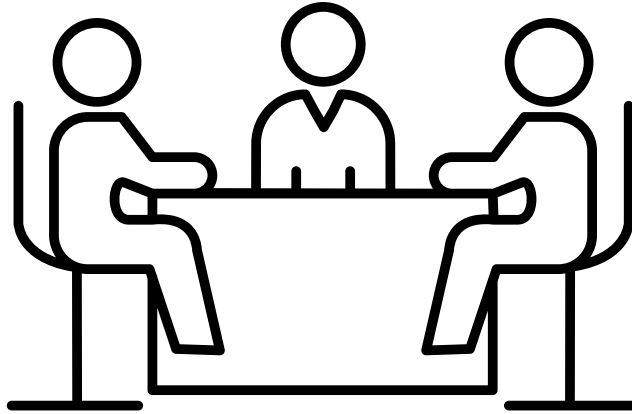
PLACEMENT EVENTS

AECC Global – Seminar on Higher Studies



Glimpses of AECC Global – Seminar on Higher Studies

SVCE



CSE-
BYTES

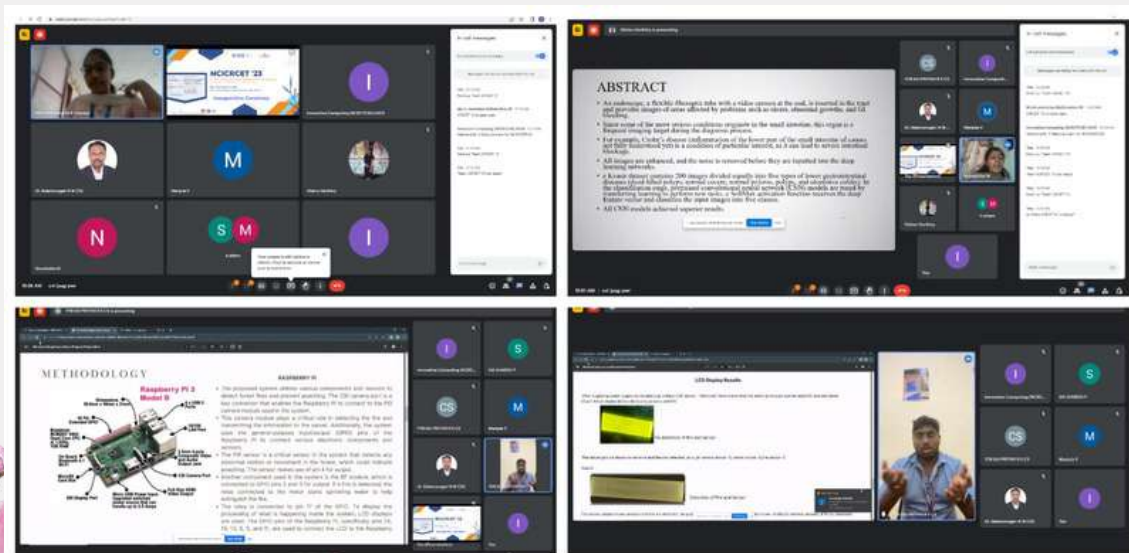
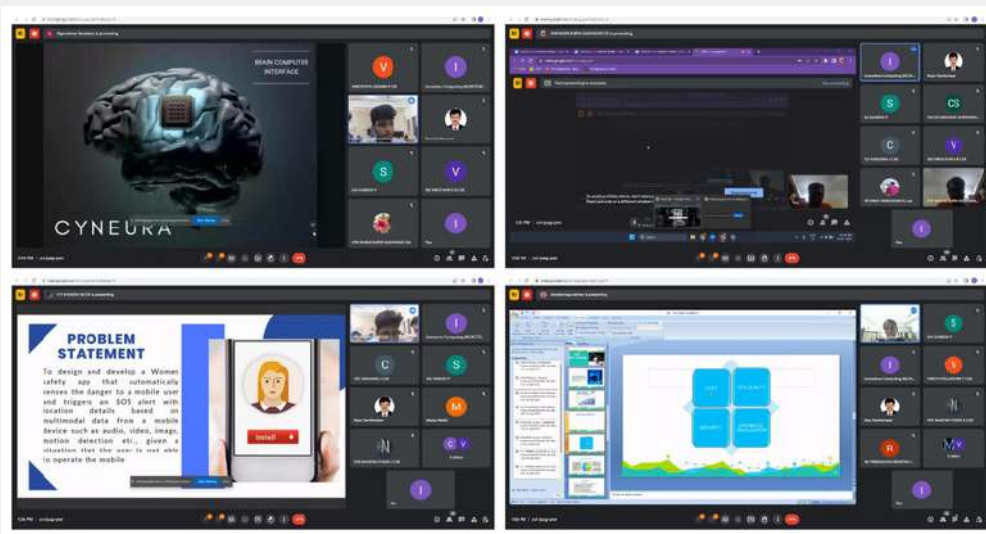
Faculty Interactions & Achievements



FACULTY INTERACTIONS

Events Organized

Dr. T. Padmavathy, Assoc. Prof. /CSE,, Ms. R. K. Kapilavani, AP/CSE, Dr. P. Geetha, AP/CSE, Mr. P. Selvamani, AP/CSE, organized the first National Conference on Innovative Computing Research and Cutting Edge Technologies (NCICRCET'23) on 4th May 2023.



NCICRCET'23

FACULTY INTERACTIONS

Events Organized

Dr. R. Anitha, Prof. & HoD/CSE, conducted a certification course titled “Math behind ML and its Applications” on 5th May 2023, for the students of Computer Science and Engineering and Information Technology. The course is conducted in association with Ticvic Technologies as part of MoU.

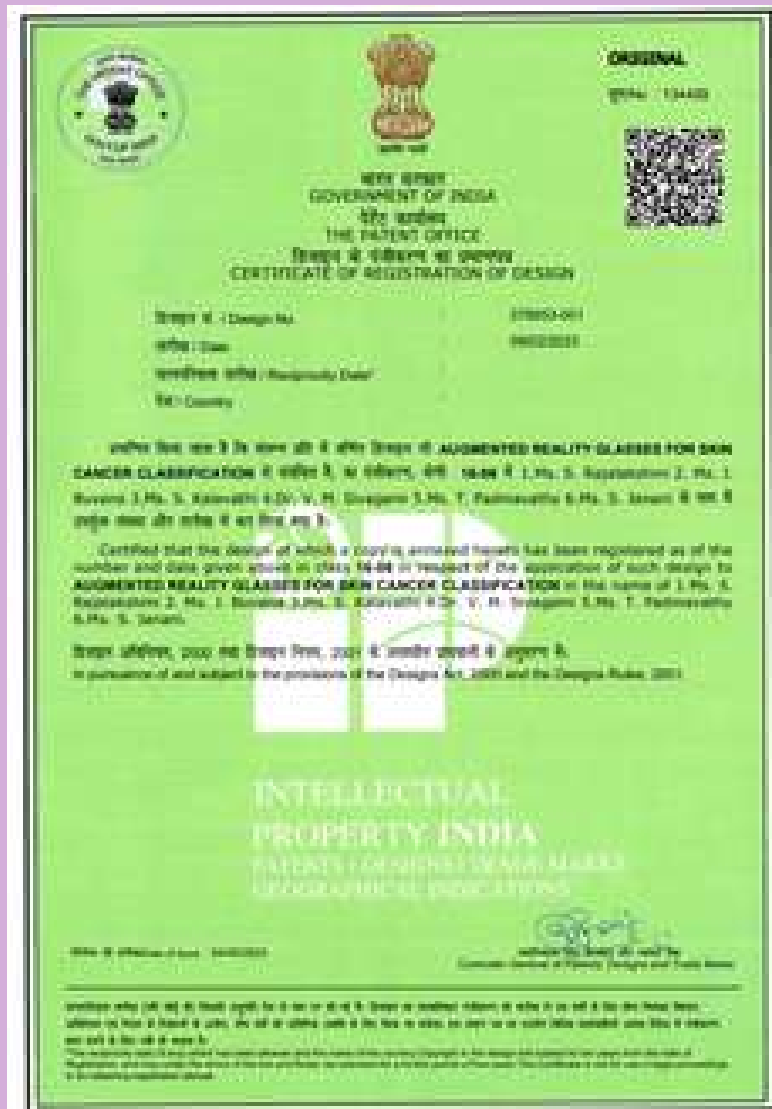


Glimpse of "Math behind ML and its Applications"

FACULTY ACHIEVEMENTS

PATENT

Ms. J. Buvana, AP/CSE, has been granted with patent under the title of “AUGMENTED REALITY GLASSES FOR SKIN CANCER CLASSIFICATION” during May 04th 2023. Application No.: 378953-001.



Certificate of Appreciation

FACULTY ACHIEVEMENTS

GUEST LECTURE DELIVERED

Ms. R. Iyswarya, AP/CSE, has presented a online seminar on "Research Techniques in virtual machine platforms and applications" at Narasu's Sarathy institute of technology, Salem on 06-05-2023



Narasu's Sarathy Institute of Technology
Approved by AICTE | Accredited By NAAC | Affiliated to Anna University
Salem, Tamil Nadu, India | Phone: 93489-72274, 93489-72275, 93489-72276
Admin Office: 93489-72274, Admission Cell: 93489-72275, 93489-72276
admission@nssit.edu.in, www.nssit.edu.in

IEEE | INSTITUTION'S INNOVATION COUNCIL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Organizes a Seminar on

Research Techniques in Virtual Machine Platforms and Applications

DATE & LINK
06th MAY 2023

 **Google Meet Link :**
<https://meet.google.com/ftm-oiak-wok>

RESOURCE PERSON

 **Mrs. R. Iyswarya**
Assistant Professor,
Sri Venkateswara College of Engineering,
Chennai.

SESSION PLAN

- 10.00 AM – 11.00 PM**
Introduction to Operating system
- 11.00 AM – 12.00 PM**
Process Management Techniques
- 12.00 PM – 01.00 PM**
Memory Management
- 02.00 PM – 03.00 PM**
Storage Management Methods
- 03.00 PM – 04.00 PM**
Virtual Machine and Mobile OS

Followed by
Interactive Session with Students & Staff

Online seminar on Research Techniques in virtual machine platforms and applications

FACULTY ACHIEVEMENTS

Dr. T. Padmavathy, Assoc. Prof. /CSE, mentored the project titled "Power Hive" under the theme "Decentralized Energy Management to drive reliability and resiliency in the power grid" for the Grand Finale of the Ideation Challenge 2023 conducted by L&T. The team TeamGT comprised of Mr. Pravesh, Mr. Ram Solaiappan, II/ECE, Mr. Pratheeshwar, II/IT, and **Mr. Staney Romero, II/CS**.



TeamGT

FACULTY ACHIEVEMENTS

NPTEL

Ms. J. Buvana, AP/CSE, has successfully completed NPTEL -Quantum Algorithms and Cryptography- Jan to April 2023.



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

BUVANA J

for successfully completing the course

Quantum Algorithms and Cryptography

with a consolidated score of **43 %**



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Apr 2023)

Roll No: NPTEL23CS04S43880038

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Certificate of Appreciation



FACULTY INTERACTIONS

Events Attended

Dr. R. Anitha, Prof & HoD/CSE, acted as a session chair in the National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET' 23) online conference and got the oral presentation certificate held on 04-05-2023.

Dr. R. Jayabhaduri, Prof/CSE, attended a Five days Faculty Development Program on Education 5.0 organized by the department of Information Technology in association with Academic Staff College, Dr MGR Educational and Research Institute, Chennai from May 15,2023 to May 19,2023.

Dr. V. Rajalakshmi, Assoc. Prof. /CSE, attended a Five days Faculty Development Program on Education 5.0 organized by the department of Information Technology in association with Academic Staff College, Dr MGR Educational and Research Institute, Chennai from May 15 2023 to May 19 2023.

Dr. T. Padmavathy, Assoc. Prof. /CSE, attended a Faculty Enrichment Program “Bridging the gap between academia and industry from Chat GPT perspective” hosted by LTIMindtree, Chennai on 25th May 2023.

Dr. S. Rajalakshmi, Assoc. Prof. /CSE, attended a five days Faculty Development Program on Education 5.0, organized by Dept.of IT in association with Academic Staff College, Dr. M.G.R Educational and Research Institute, Chennai from 15.05.2023 to 19.0.2023.

Dr. S. U. Muthunagai, Assoc. Prof. /CSE, attended Five days Virtual Faculty Development Program on “Education 5.0” held during 15-05-2023 to 19-05-2023.

Ms. R. Iyswarya, AP/CSE, ICSSR Sponsored Two-Day National Seminar on Cyber Security Governance and Risk Management for Modern India: Challenges and Opportunities at Sri Venkateswara College of Engineering (Autonomous), Sriperumbudur held from 27/04/2023 to 28/04/2023.

Mr. P. Selvamani, AP/CSE, attended Five Day Faculty Development Programme on “Intellectual property Rights” Organized by M.Kumarasamy College of Engineering, Karur From 22.05.2023 to 26.05.2023.

FACULTY INTERACTIONS

Events Attended

Ms. P. Uma, AP/CSE, attended a Faculty Enrichment Program “Bridging the gap between academia and industry from Chat GPT perspective” hosted by LTIMindtree, Chennai on 25.05.2023.

Ms. Shobanjaly P. Nair, AP/CSE, attended a Faculty Enrichment Program “Bridging the gap between academia and industry from Chat GPT perspective” hosted by LTIMindtree, Chennai on 25.05.2023.

Ms. R. Poorni, AP/CSE, attended a Faculty Enrichment Program “Bridging the gap between academia and industry from Chat GPT perspective” hosted by LTIMindtree, Chennai on 25.05.2023.

Ms. R. Poorni, AP/CSE, attended a five days Faculty Development Program on Education 5.0, organized by Dept.of IT in association with Academic Staff College, Dr. M.G.R Educational and Research Institute, Chennai from 15.05.2023 to 19.05.2023.

Ms. S. Poorani AP/CSE, won Second Place in Paper Presentation titled " Privacy Enhancing Cryptography using Differential privacy " in a Faculty Research Day 2023 held at SVCE on 26 May 2023.

RESEARCH ACTIVITIES



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. M. Balamurugan, Professor - CSE

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



RESEARCH ACTIVITIES

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.

RESEARCH ACTIVITIES

REVIEWER CONTRIBUTIONS

Dr. R. Jayabhaduri, Prof./CSE, acted as a Session Chair for the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by the department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Sriperumbudur on May 4 2023.

Dr. R. Jayabhaduri, Prof./CSE, Reviewer for the journals CMC-Computers, Materials & Continua and Journal on Artificial Intelligence

Dr. N. Rajganesh, Assoc. Prof./CSE, acted as a reviewer in Multimedia Tools and Applications, Springer and Journal of Ambient Intelligence and Humanized Computing, Springer.

RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

JOURNALS

Ms. C. Shiva Sankari, Ms. V. Sneha Priyadharshini and Ms. Yogitha Vijayakumar, IV/CSE, Ms. Rupa Kesavan, AP/CSE, Published their project work on "Edge-Enabled Load Forecasting In Smart Grids", in International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.11, Issue 5, pp.c693-c706, May 2023.

Mr. D. B. Joseph, K. Sivasankaran, P. R. Venkat, Srirangan Kannan, V. A. Siddeshwar, D. Vinodha and A. Balasubramanian (2023). Smart Accident Fatality Reduction (SAFR) System. In: Kumar, S., Sharma, H., Balachandran, K., Kim, J.H., Bansal, J.C. (eds) Third Congress on Intelligent Systems. CIS 2022. Lecture Notes in Networks and Systems, vol 613. Springer, Singapore. https://doi.org/10.1007/978-981-19-9379-4_38

RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

CONFERENCES

Dr. R. Anitha, Prof. & HoD/CSE, et al. has presented a paper titled “Power Aware and Quality of Experience based Task offloading in Mobile Edge Computing” in the National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET’ 23) online conference and got the oral presentation certificate held on 04-05-2023.

Dr. R. Anitha, Prof. & HoD/CSE, et al. has presented a paper titled “Machine Learning Approach to Predict the Risk of Coronary Heart Disease” in the National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET’ 23) online conference and got the oral presentation certificate held on 04-05-2023.

Dr. R. Anitha, Prof. & HoD/CSE, et al. has presented a paper titled “Advanced CCTV Threat Detection using 3-D CNN and LSTM” in the National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET’ 23) online conference and got the oral presentation certificate held on 04-05-2023.

Dr. P. Vinothiyalakshmi, Assoc. Prof./CSE, Paper presented titled as ‘Credit Card Fraud Detection System in Banking Using Machine Learning algorithms’ at the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Sri Venkateswara College of Engineering, Sriperumbudur on 4th May 2023.


RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

CONFERENCES

Dr. T. Rajasekar, Assoc. Prof. /CSE, Dr. M. Suresh kumar, Assoc. Prof. /CSE, Mr. P. Selvamani, AP/CSE, presented a paper titled “A Review on Various Image Processing Algorithms” in 1st National Conference on Innovative Computing Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET'23) at SVCE on 04-05-2023.

Ms. Suchita A V, Dr. S. U. Muthunagai, Assoc. Prof. /CSE, Ms. R. Iyswarya, AP/CSE, Ms. S. Poorani, AP/CSE, presented and won best paper award for the paper entitled “Enhancing Storage Space in Docker using Quota Feature” in the 1 st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Sri Venkateswara College of Engineering, Sriperumbudur on 4th May 2023.



Ms. Akshaya M, Ms. Aiswaryya, Dr. S. U. Muthunagai, Assoc. Prof. /CSE, Dr. R. Anitha, Prof. & HoD, presented paper entitled “Machine Learning Approach to Predict the Risk of Coronary Heart Disease ” in the 1 st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Sri Venkateswara College of Engineering, Sriperumbudur on 4th May 2023.

RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

CONFERENCES

Ms. J. Buvana, AP/CSE, Ms. R. Gayathri, AP/CSE, Dr. S. Rajalakshmi, Assoc. Prof. /CSE, has presented a paper on “A Survey of Consensus Protocols in Permissioned and Permissionless Protocols in Blockchain Network” in National Conference on Signal Processing , Communication and Networking May 09, 2023, conducted by ECE, SVCE.

Mada Hemanth Reddy, Mr. P. Selvamani, AP/CSE, Dr. R. Anitha, Prof. & HoD/CSE, has presented a paper titled ”Enhanced Text Sentiment Analysis Based on Long Short Term Memory using Back Propagation Through Time (BPTT) - RNN” in the National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET’ 23) online conference and got the oral presentation certificate held on 04-05-2023.

Mr. P. Selvamani, AP/CSE, presented a paper titled “Edge-Centric Energy Efficient LSTM with Federated Learning Model Based Computation Offloading for IoT applications” at SVCE Faculty Research Day on 26-05-2023.

Ms. Rupa Kesavan, AP/CSE, published and presented "Performance analysis of Electric vehicle Using BLDC Motor Drive"; Proceedings of the 7th International Conference on Intelligent Computing and Control Systems (ICICCS-2023)DVD Part Number: CFP23K74-DVD; ISBN: 979-8-3503-9724-6 (ICICCS-2023).

RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

CONFERENCES

Dr. P. Geetha, AP/CSE, presented and received Best paper titled as “Performance Study of Machine Learning Algorithms for Diabetic Prediction Using Cloud Computing” in the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Department of CSE, SVCE on 04/05/2023.



Best paper titled “Performance Study of Machine Learning Algorithms for Diabetic Prediction Using Cloud Computing”

RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

CONFERENCES

Ms. R. K. Kapila Vani, AP/CSE, presented and received Best paper titled as “Smart Waste Management - An Approach Using Heuristic search Strategy and Machine Learning Algorithm” in the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET’23 organized by Department of CSE, SVCE on 04/05/2023.



Best paper titled “Smart Waste Management - An Approach Using Heuristic search Strategy and Machine Learning Algorithm”

RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

CONFERENCES

Dr. P. Geetha, AP/CSE, presented and received Best paper titled as “Performance Study of Machine Learning Algorithms for Diabetic Prediction Using Cloud Computing” in the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Department of CSE, SVCE on 04/05/2023.

Ms. R. K. Kapila Vani, AP/CSE, presented and received Best paper titled as “Smart Waste Management - An Approach Using Heuristic search Strategy and Machine Learning Algorithm ”in the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Department of CSE, SVCE on 04/05/2023.

Ms. R. K. Kapila Vani, AP/CSE, presented the paper titled as “An Application that Addresses the Emergency Traffic Control for Ambulance ” in the 1st National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Department of CSE, SVCE on 04/05/2023.

Ms. M. Shanthalakshmi, AP/CSE, has presented a paper entitled “An Efficient Technique for the better recognition of Oral Cancer using Support Vector Machine” at International Conference on Intelligent Computing and Control Systems - ICICCS-2023 organized by Vaigai College of Engineering, Madurai, on 17-19 May 2023.

RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

CONFERENCES

Ms. M. Shanthalakshmi, AP/CSE, has presented a paper entitled “Reducing Interference Using Directional Antennas in Wireless Communication” at National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Sri Venkateswara College of Engineering, Sriperumbudur on 4th May 2023. Revolutionizing The Stock Market: Exploring The implementation of AR and VR in Stock Market.

Ms. M. Shanthalakshmi, AP/CSE, has presented a paper entitled “Revolutionizing The Stock Market: Exploring The implementation of AR and VR in Stock Market” at National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering, NCICRCET'23 organized by Sri Venkateswara College of Engineering, Sriperumbudur on 4th May 2023.

RESEARCH ACTIVITIES

Dr. S. Rajalakshmi, Assoc. Prof. /CSE, defended her Ph.D Viva Voce Examination on May 12 2023 titled “Hybrid Recommender System using Systolic Tree for Pattern Mining” under the guidance of **Dr. KR. Santha, Vice-Principal, Prof & HoD/EEE, Sri Venkateswara College of Engineering.**

Mr. E. Sivakumar, has presented his research work titled “A Neural Machine Translation Model for Language Translation” in the Faculty Research Day 2023 on 26.5.2023 and won the First place under the mentorship **Dr. R. Anitha, Prof. & HoD/CSE.**

Ms. S Poorani, AP/CSE, has presented her research work titled “Privacy-enhancing Cryptography to Support Differential Privacy” in the Faculty Research Day 2023 on 26.5.2023 and won the second place under the mentorship **Dr. R. Anitha, Prof. & HoD/CSE.**

Mr. P. Selvamani, AP/CSE, presented his Pre-Confirmation Seminar presentation titled "Green and Secured Offloading of Workloads to Edge-Cloud in IoT Environment" on 29.05.2023, under the Guidance of **Dr. R. Anitha, Professor & Head/CSE.**

Ms. R. Iyswarya, AP/CSE, has presented her research work titled “Evading EDoS Attack Using Lattice Based Multi Way Handshake Protocol” in the Faculty Research Day 2023 on 26.5.2023 and won the third place under the mentorship **Dr. R. Anitha, Prof.& HoD/CSE.**



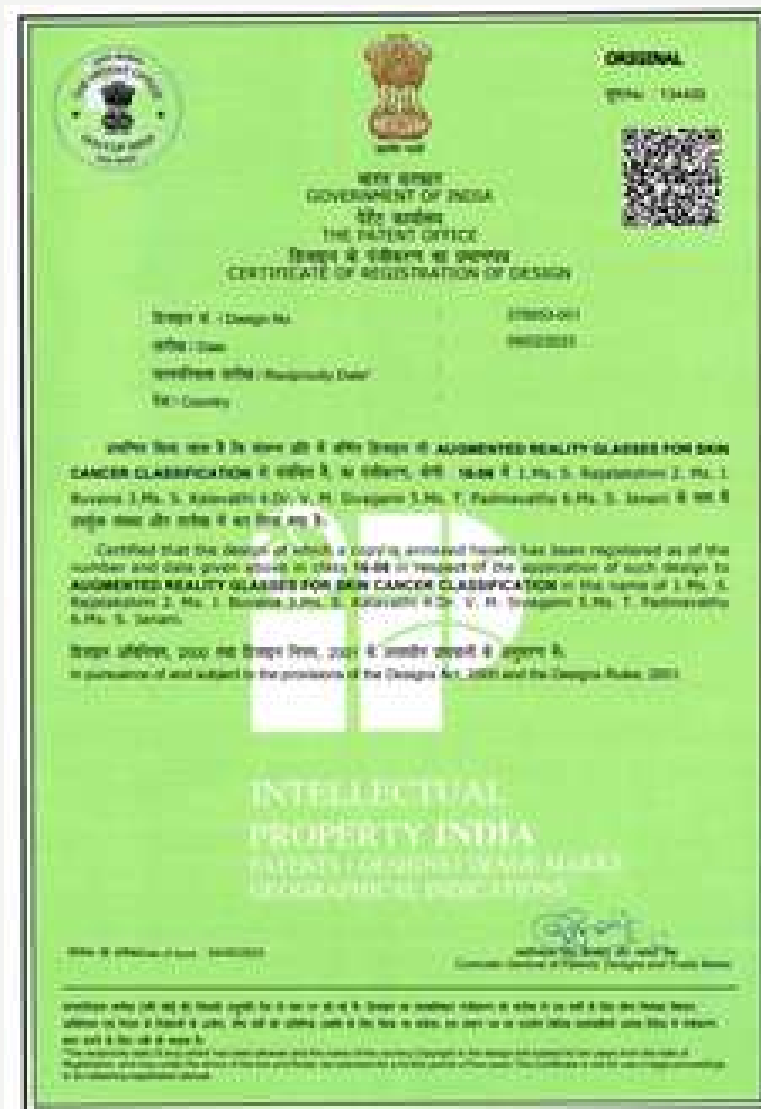
Faculty Research Day 2023



RESEARCH ACTIVITIES

PATENT

Ms. S. Rajalakshmi, Assoc. Prof. /CSE, Ms. J. Buvana, AP/CSE, Ms. S. Kalavathi, AP/INT, Dr. V. M. Sivagami Prof/INT, Ms. T. Padmavathy, AP/CSE, Ms. S. Janani, AP/CSE, has been granted with patent under the title of “AUGMENTED REALITY GLASSES FOR SKIN CANCER CLASSIFICATION” during May 04th 2023. Application No.: 378953-001.



Certificate of Appreciation



CLUBS



CLUB ACTIVITIES

ACE –Association Of Computer Engineers

Co-ordinators

**Mr. K.Srinivasan, Mrs. G. Janakasudha & Ms. A. Ajoy Sweetlin Jeena,
AP/CSE**

Objective:

ACE – a place where a student discovers his hidden talents, gets rid of all sorts of inhibitions, sets up and creates a new history every year. ACE strives for the synchronization between academic learning and recent development in the technology and industry.

ACE is run by the students and for the students to nurture their creativity and wholesome personality.

ACE extracts the best out of every student, because of the laudable efforts by the students under the able guidance of the faculty and staff. ACE provides avenues for developing technical skills, updating knowledge on the state of the art subjects, enhancing personality & service to the department and of course to the computer society.

The activities undertaken by ACE are conducting seminars & workshops, special lectures by eminent speakers, paper presentations, quiz, debates, intra department contests & imparting practical skills.

CLUB ACTIVITIES

C2C - COMPETE TO COMPUTE

Co-ordinators

Dr. P. Vinothiyalakshmi, Assoc. Prof. /CSE, Mr. P. Selvamani, AP/CSE.

Objective:

Objective of the club is to providing the necessary skills and confidence to face the industrial environment without any fear and conquer their wildest dreams in the upcoming future.

Outcome:

Club members were able to strengthen their programming abilities in preparation for placements and learned the skills required to participate in hackathons, coding events, conferences, and other events.



CLUB ACTIVITIES

ACM - Association of Computing Machinery, Student Chapter

Co-ordinators

Dr. R. Anitha, Prof. & Head/CSE, Dr. T. Rajasekaran, Assoc. Prof/CSE

The SVCE ACM student chapter aims to provide an opportunity for students from different walks of life to compete and tackle problems in an effective manner. As one of the well-known institutions inside the college, we aim to bolster student skills from both a professional and personal point of view by organizing events like Hackathons, workshops and quizzes. As we set foot into our seventh successful year, we aim to maintain the high standards set by our predecessors by organizing events intertwined with fun and frolic, for we believe in: "Simplicity, carried to the extreme, becomes elegance".

Organizing technical events intertwined with loads of fun filled challenges is our forte. Our wide variety of events boosts both 'competing by learning' as well as 'learning by competing'! Participating in our events helps you take a step towards success, and thereby guides you to make your path towards success an interesting one rather than a difficult one.

CLUB ACTIVITIES

KNOW-I

Co-ordinators

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

Objective:

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, Assoc. Prof/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.

CLUB ACTIVITIES

INDUSTRY INSTITUTE INTERACTION CELL (IIC)

Co-ordinators

Dr. T. Rajasekaran, Associate Professor/CSE

Objective:

- To bridge the gap between the industry and the academia.
- To Evolve educational programmes which are consistent with the broad requirements of the industry and which can give rise to engineering personnel capable of coping-up with the accelerating pace of the technological development.
- To create adequate facilities of updating knowledge of professional engineers and technologists to meet growth and developmental needs of the industry.
- To coordinate the research and developmental activities of the two systems

Outcome:

- Participation of Industrial expertise in curriculum reorientation
- Exchange of experts between industry and institute
- Institute as a consultant in R&D.
- Establishment of linkage (MoU) and so on.

CLUB ACTIVITIES

Cyber Hub

Co-ordinators

Dr. M. Suresh Kumar, Associate Professor/CSE

SVCE Cyber Hub is run by students to bits of helping fellow students in order to foster their creativity and overall well-being. We Intend to support students who are interested in and committed to pursuing careers in the field of cyber security and networking. We arrange various technical events and provide resources that assist students to learn about these disciplines conceptually and practically. We also provide webinars, seminars, hands-on sessions, and other few events so that students may have practical experience with what they have studied theoretically.

INDUSTRIAL VISIT

INDUSTRIAL VISIT

The Department of Computer Science and Engineering, Sri Venkateswara College of Engineering organized an Industrial Visit to II Year CS- A & C, M.E I Year to **BSNL-Rajiv Gandhi Memorial Telecom Training Centre**, Meenambakkam, Chennai on 02-05-2023 & 03-05-2023 with Faculty Incharges Dr. J. M. Gnansekar, Prof & AHoD/CSE, Dr. T. Padmavathy, Assoc. Prof/CSE, Mr. A. S. Vibith, AP/CSE, Dr. P. Geetha, AP/CSE, Mr. R. Gnanavel, AP/CSE.



BSNL-Rajiv Gandhi Memorial Telecom Training Centre

INDUSTRIAL VISIT

The Department of Computer Science and Engineering, Sri Venkateswara College of Engineering organized an Industrial Visit to students of I/CSE A, B & C Sections to Sansbound Solutions Pvt.Ltd., Chennai on 23-05-2023, 24-05-2023 & 25-05-2023 with Faculty Incharges Mr. K. Srinivasan, AP/CSE, Dr. S. D. Nanda Kumar, AP/CSE, Ms. E. Kiruthiga, AP/CSE, Ms. S. Yuvaprabha, AP/CSE, Ms. M. Shanthalakshmi, AP/CSE, Mr. V. Krishnamoorthy, AP/CSE.



Sansbound Networking, Chennai

SVCE

CSE-BYTES

ALUMINI TALK





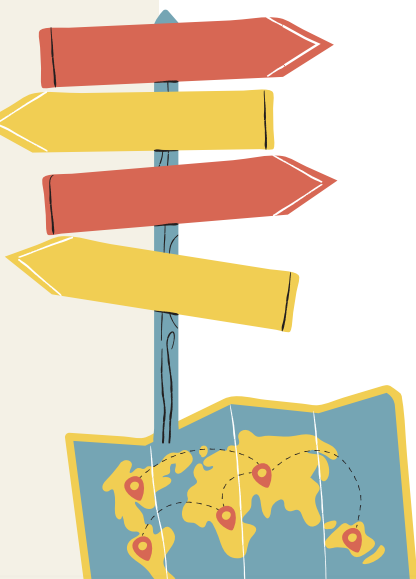
ALUMNI TALK

Name of the Alumni: **RAJESWARI N**
Year of Passing: **2008**
Designation: **Senior Assistant Professor**
Address of the Company: **SASTRA University,
SRC Campus Kumbakonam**



As an alumni of Computer Science department, I have to say that I had a mostly positive experience during my time there. The faculty were knowledgeable and passionate about their subjects, and they always made themselves available to help students. I also appreciated the sense of community within the department, which helped me to form lasting relationships with my peers and professors.

I feel that my department provided me with a solid foundation for my future career. The faculty, resources, and community that I found there helped me to develop my skills and interests, and I am grateful for the experience.



**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

**SRI VENKATESWARA COLLEGE OF ENGINEERING
(AUTONOMOUS)**

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

