



SVCE | Sri Venkateswara
College of
Engineering

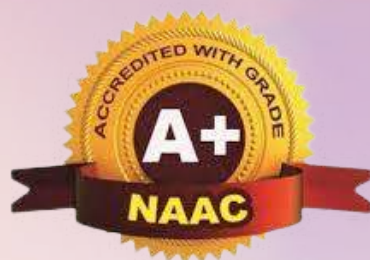
SVCE IQAC
Consciousness for Quality

Cse Bytes

Newsletter

December 2023

(Vol 6, Issue 12)



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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

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)**

- An 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 December 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.

PLACEMENT ACTIVITIES 2023



PLACEMENT EVENTS

Department of Computer Science and
Engineering

Placement Report – DECEMBER 2023

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.

PLACEMENT EVENTS

Placed Students December 2023

S.NO	REGISTRATION NO.	STUDENT NAME	Placed Company
1	2127200501144	SOWMIYA V	EventHQ
2	2127200501065	KALYAN SAGAR D	EventHQ
3	2127200501039	DHURKESH S	Extreme Networks
4	2127200501064	JOHN WILLIAMS M	Extreme Networks
5	2127200501069	KARTHIK R	Extreme Networks
6	2127200501071	KAUSHAL L	Extreme Networks
7	2127200501150	SWEATHAA VARTHINE B	Extreme Networks
8	2127200501016	AKSHAYA M	Mocero Health Solutions
9	2127200502051	T S VISHNUVASAN	Mocero Health Solutions
10	2127200502306	SIDDESHWAR V A	Mocero Health Solutions

PLACEMENT EVENTS

Placed Students December 2023

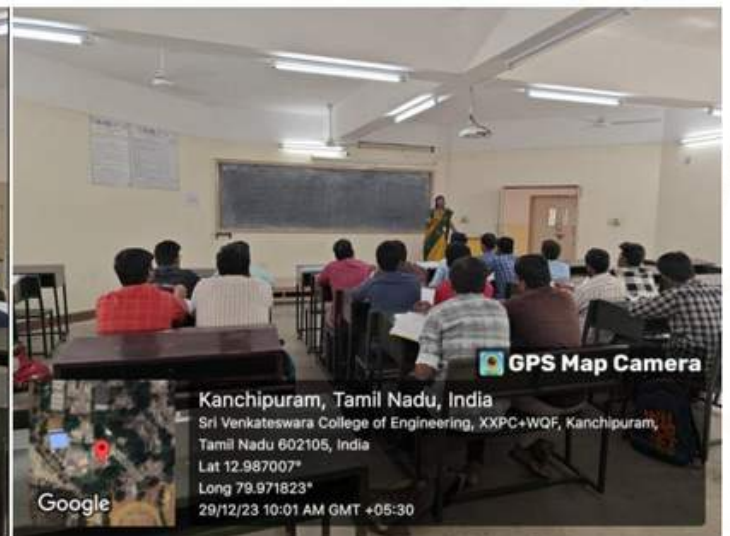
S. NO	REGISTRATION NO.	STUDENT NAME	Placed Company
11	2127200502007	DEEPAK VICTOR A	Mocero Health Solutions
12	2127200502022	NANDHA KUMAR S	Mocero Health Solutions
13	2127200502035	RAHUL G	Mocero Health Solutions
14	2127200502040	SELVA BALAJI S S	PrudentAi

PLACEMENT EVENTS

Placed Students December 2023



EventHQ Placed Students



PLACEMENT EVENTS

Placed Students December 2023

Placement Technical Training:


The Department of Computer Science and Engineering (CSE) along with the Placement Cell is conducting technical training sessions for non-placed students from December 11 to December 30. The focus of the training includes Database Management Systems (DBMS), Data Structures, and Java Programming with Object-Oriented Programming (OOP) concepts. Enthusiastic students are actively participating in these sessions, eagerly seeking to enhance their skills. This acquired knowledge is expected to significantly contribute to their performance during the placement process, enabling them to shine and stand out.



STUDENTS ACHIVEMENTS



Ms. Poojitha E S, II / CS has been selected to represent Anna University in the South West Zone Inter-University Archery tournament to be held at Guru Kashi University, Bathinda, Punjab from 19/12/23 to 22/12/23. She has been qualified for the All India Inter University Archery Tournament held at Punjabi University, Patiala, from 28/12/23 to 31/12/23



ANNA UNIVERSITY SPORTS BOARD
ANNA UNIVERSITY: CHENNAI-25

Dr. B. Balsukumar
Secretary & Deputy Director of Physical Education

Prof. S. Swamynathan
Chairman

Name of the Game : South Zone Inter University Archery (M & W) tournament
 Dates of the Tournament : 19.12.2023 to 22.12.2023
 Organised by : Guru Kashi University, Bhatinda,(Punjab)

Date: 07.12.2023


The following student has been selected to represent Anna University in the South West Zone Inter-University Archery (M & W) tournament to be held at Guru Kashi University, Bhatinda,(Punjab).


MAIN TEAM LIST - WOMEN


S. No	Name	Year	Branch	College
1.	Roshini R	I – BE	ECE ✓	S.A. Engineering College, Chennai
2.	Amhrutha Vahini R	III – BE	EIE ✓	SRM Valliammal Engineering College, Kattankulathur
3.	Dikshitha S P	I – B. Tech	IT ✓	Jerusalem College of Engineering, Chennai
4.	Poojitha E S	II – BE	CSE ✓	Sri Venkateswara College of Engineering, Srperumbudur
5.	Shevarthna M	II – B. Tech	AI & DS ✓	PSG Institute Of Technology & Applied Research, Coimbatore

The Coaching Camp will commence on 13.12.2023 to 15.12.2023. The team is to leave from Chennai on 15.12.2023 to Guru Kashi University, Bhatinda,(Punjab), it is required that,

- The Student should confirm their participation immediately over mobile through SMS (94440 36313 / 83001 69313) through the Head of the Institution concerned. (The format for confirmation is enclosed).
- The Players should report on 13.12.2023 at 10.00 A.M at the Sports Board, Anna University.
- The Students should bring two recent Passport size Photograph/ copy of 10 & 12 th mark sheet/ copy of bank pass book/ copy of Aadhar card while reporting.
- The students has to give an undertaking to stay inside Anna University Campus during coaching camp, if not they will be sent back to the concerned college and disciplinary action will also be initiated.
- The TA/DA will be borne by Anna University Sports Board as per the norms.


SECRETARY




CHAIRMAN

Copy to:

- Dr. B. BALAKUMARAN, The Principal concerned, for confirming the participation of player(s), through Anna University Sports Board.
- The Director of Physical Education of the Institution concerned for coordination.

The Chairman
University Sports Board
Anna University
Chennai - 600 025



Mr. Arjun M, I / AD has successfully conquered the great heights and emerged as Winner of the Fresher Stories event organized by Know-I Club of CSE department on 21/12/2023.



Fresher Stories Winner



Ms. Ashika Haseen S, I / AD has successfully conquered the great heights and emerged as Runner of the Fresher Stories event organized by Know-I Club of CSE department on 21/12/2023.



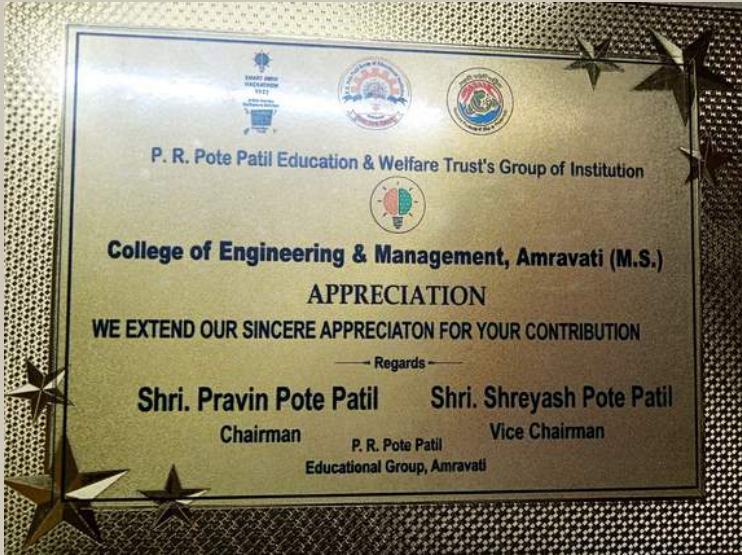
Fresher Stories Runner



Ms. Pooja T (Team Leader), Ms. Deepika G, Ms. Lakshmi Sruthi K, Ms. Lakshmipriya R, Ms. Manusrimanjari M and Ms. Neha Bhende IV / CS, shown excellent technical proficiency, inventiveness, and teamwork during the **36-hour hackathon** that took place on December 19 and 20, 2023, at P. R. Pote Patil College of Engineering and Management in Amravati, Maharashtra.

The group came up with a creative solution for the Ministry of Environment's "**E-Waste Facility Locator**" problem statement. The team's persistent commitment and cooperative nature were apparent as they labored nonstop to solve the problems the issue statement presented. The fact that they were close to winning is notable and illustrates the breadth of their skill and tenacity.





SMART INDIA HACKATHON





SMART INDIA HACKATHON CERTIFICATES





SMART INDIA HACKATHON CERTIFICATES





- Mr. Viswesh G, UG Student along with Dr. P. Vinothiyalakshmi, AP / CSE is certified for presenting the research paper titled **SECURE ELECTRONIC BANKING TRANSACTION USING DOUBLE SANCTION SECURITY ALGORITHM IN CYBER SECURITY** in 2023 IEEE International Conference on Research Methodology in Knowledge Management, Artificial Intelligence and Telecommunication Engineering organized by the Department of Computer Science and Engineering, R.M.K Engineering College, Chennai.



RESEARCH PAPER CERTIFICATION



- **Mr. Balaji M, III / CS** attended a training programme on Networking with Eduxlab, Chennai during the period 04/12/2023 to 10/12/2023





FACULTY ACHIEVEMENTS AND INTERACTIONS

ACADEMIC YEAR
2023-2024



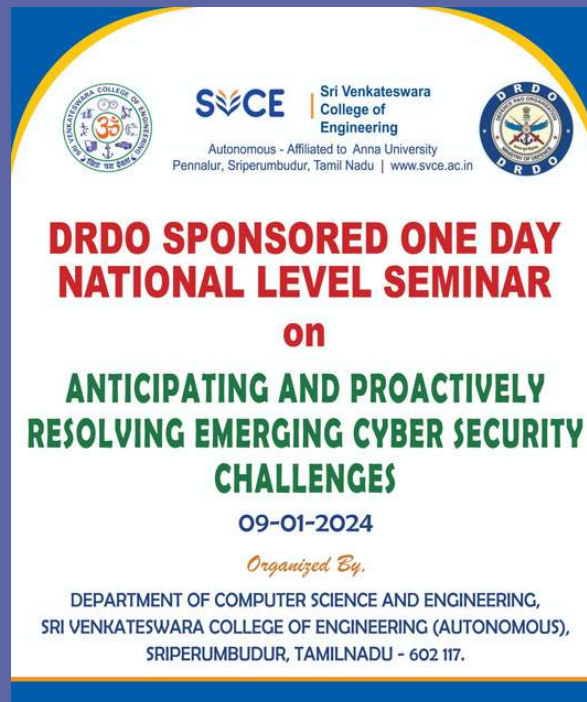
FACULTY ACHIEVEMENTS

- Dr. R. Jayabhaduri, Prof. / CSE attended ATAL Sponsored Six days FDP on Artificial Intelligence for Next-Generation Industrial Cyber-Physical Systems from 18/12/2023 to 23/12/2023.
- Dr. N. Rajganesh, Assoc. Prof. / CSE reviewed an articles for the Journal Cluster Computing (Springer), Journal Signal - Image and Video Processing and The Wireless Personal Communications.



FACULTY ACHIEVEMENTS

- Dr. N. Rajganesh, Assoc. Prof. / CSE, got a seminar grant of Rs. 20000 from DRDO to conduct a one day national level seminar on “Anticipating and Proactively Resolving Emerging Cyber Security Challenges”, 09.01.2024.



SEMINAR POSTER

FACULTY ACHIEVEMENTS

Dr. P. Vinothiyalakshmi Assoc. Prof. / CSE and Mr. Viswesh G, UG Student is certified for presenting the research paper titled **SECURE ELECTRONIC BANKING TRANSACTION USING DOUBLE SANCTION SECURITY ALGORITHM IN CYBER SECURITY** in 2023 IEEE International Conference on Research Methodology in Knowledge Management, Artificial Intelligence and Telecommunication Engineering organized by the Department of Computer Science and Engineering, R.M.K Engineering College, Chennai.



RESEARCH PAPER CERTIFICATION



FACULTY ACHIEVEMENTS

- **Dr. V. Rajalakshmi, Assoc. Prof. / CSE** attended **ATAL Sponsored Six days FDP on Artificial Intelligence** for Next-Generation Industrial Cyber-Physical Systems at Amrita Vishwa Vidyapeetham, Chennai from 18/12/2023 to 23/12/2023.
- **Dr. S. Senthamizh Selvi, AP / CS** completed 5 days Faculty Development Program on “Building Advanced Data Analytics Applications with Cloud under Next Gen Employability” conducted by All India Council for Technical Education - AICTE Training and Learning Bureau (AICTE-TLB), in collaboration with Edunet Foundation & EY GDS (Ernst & Young Global Delivery Services) from 11/12/2023 to 15/12/2023. And also attended the One Week National Level Faculty Development Programme on “Management Development and Academic Leadership” conducted by A.C.T. Academy, Tamil Nadu from 01/12/2023 to 07/12/2023.



FACULTY ACHIEVEMENTS



FACULTY DEVELOPMENT PROGRAM CERTIFICATION



FACULTY ACHIEVEMENTS

- **Ms. Ajoy Sweetlin Jeena A, AP / CSE** attended One Week National Level Faculty Development Programme on the “**Management Development and Academic Leadership**”, Organised by A.C.T Academy, Tamil Nadu held from 01/12/2023 to 07/12/2023.
- **Ms. M. Shanthalakshmi, AP / CSE** attended a Six Days ATAL FDP on Artificial Intelligence for Next Generation Industrial Cyber Physical Systems from 18th - 23rd Dec, 2023 at Amrita Vishwa Vidhyapeetham, Chennai.

RESEARCH ACTIVITIES



ACADAMIC YEAR
DECEMBER 2023

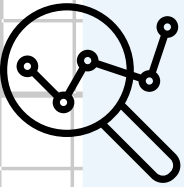


Research Supervisors



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

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



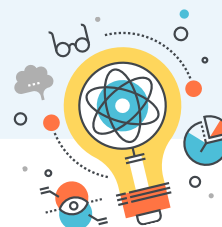
Dr. J. M. Gnanasekar, Prof - CSE

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. P. Geetha, AP / CSE published a Book Chapter titled **“A Prediction of Telecom Customer Churn Analysis Using the I-GBDT Algorithm”** has been published (Scopus Indexed), Book: Integration of AI-Based Manufacturing and Industrial Engineering Systems with the Internet of Things, Chapter 12, Page No. 180-193, CRC Press, Taylor and Francis Group, DOI: <https://doi.org/10.1201/9781003383505-12>, eBook ISBN: 9781003383505

PUBLICATIONS

Ms. R. K. Kapilavani, AP / CSE published a Book Chapter titled, "**Evaluation of Bio-inspired Computational Methods for Measuring Cognitive Workload**" has been published in Artificial Intelligence and Multimedia Data Engineering, , Chapter 2: Pp: 9-26 (18), Bentham Science. eISBN: 978-981-5196-44-3, 2023

DOI: 10.2174/9789815196443123010004. And also published a Book Chapter titled "**A Prediction of Telecom Customer Churn Analysis Using the I-GBDT Algorithm**" has been published(Scopus Indexed),Book: Integration of AI-Based Manufacturing and Industrial Engineering Systems with the Internet of Things, Chapter 12, Page No. 180-193, CRC Press, Taylor and Francis Group, DOI: <https://doi.org/10.1201/9781003383505-12>, eBook ISBN: 9781003383505

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