



SV COLLEGE OF ENGINEERING

EDUCATION FOR A BETTER SOCIETY

Jan -June 2025

NEWS LETTER

DEPARTMENT OF CSE



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[www.youtube.com/@SVCE_cs
e-tirupati](http://www.youtube.com/@SVCE_cs-e-tirupati)

VISION OF DEPARTMENT

To produce globally competent, dynamic and multi-talented young leaders with skill & knowledge in Computer science and Engineering to cater the contemporary demands of the software industry, thereby making them industry ready while at the institution and also to pursue higher education imbibing holistic approach.

MISSION OF DEPARTMENT

M1: *To impart high quality technical education in Computer Science and Engineering by providing the well equipped infrastructure, core values.*

M2: *Advanced research and technical consultancy services with qualified and senior faculty.*

M3: *To prepare the learners professionally deft and intellectually adept possessing excellent skill, knowledge and behavior.*

M4: *To inculcate the leadership capabilities in learners to face the dynamic and challenging global work in the field of Computer Science and Engineering.*

PROGRAM EDUCATIONAL OBJECTIVES

PEO1- *To impart foundations of applied science and engineering subjects in order to apply, analyze and solve problems in computational aspects.*

PEO2: *To inculcate ability in creativity and design of computer support systems and impart knowledge and skills to analyze, design, test and implement various Software applications.*

PEO3: *To strengthen higher education, research, prepare for globally acclaimed competitions, imbibe in civic-leadership qualities and to trigger social, ethical, holistic and behavioral approach.*

PROGRAM OUTCOMES (POS)

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: 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.

PO3: 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.

PO4: 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.

PO5: 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.

PO6: 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.

PO7: 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.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual And Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: 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.

PO11: 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.

PO12: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.

PROGRAMME SPECIFIC OUTCOMES (PSOS) :

PSO1:Problem solving skills :

Ability to design and develop computing tools with moderate complexity in the areas pertaining to database, data analytics ,networking, web and app design, IoT and information security with integration.



PSO2:Professional Skills: Ability to apply standard practices and methods in software project management and software development using suitable programming environments to deliver quality product to the industry.

A MESSAGE FROM THE PRINCIPAL



I have great pleasure in conveying my best wishes to the Dept. of CSE for releasing the newsletter which brings the students and teachers of various disciplines on a common platform to share and display their ideas and creative talents, I wish all the students who have involved in bringing out the newsletter for their greater success and career ahead.

**Dr. N.SUDHAKAR REDDY, ME, Ph.D, FIE, MISTE.
PRINCIPAL**

A MESSAGE FROM THE HOD

The Department of CSE has been providing Excellent Opportunities for the students to explore & exhibit their academic , Co-curricular & Extra-curricular activities. This newsletter is an attempt to highlight the achievement of the department, in spite of the space constrain we have showcased the best and look forward to have more in the future on a quarterly editions. I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter.



Dr .A. Ganesh,HEAD OF DEPARTMENT.

GDG INNOHACKS:

- INNOHACKS appears to be the flagship hackathon organized by GDG SVCE. The tagline "Shoot vs. Shot: INNOHACKS Edition!" is used in promotions.
- The hackathon is promoted as one of the biggest hackathons at SVCE.
- It is recurring (for 2025 there's mention of "GDG #INNOHACKS 2K25").
- The hackathon is designed to bring together students to build solutions (often tech-based) under time constraints, likely across themes like AI, web, cloud, etc.,

One of the major events associated with GDG SVCE is its hackathon called INNOHACKS (sometimes promoted as "Shoot vs. Shot: INNOHACKS Edition"). This event aims to bring together student developers and innovators to solve real-world problems under time-bound challenges. While full details (such as problem statements or prize amounts) weren't publicly available in the sources I checked, the hackathon is positioned as a flagship event for creativity, technical innovation, and collaborative learning.

Beyond the hackathon, GDG SVCE organizes a wide range of workshops, study jams, and technical sessions. Examples include "Build With AI: Gen AI Study Jams," "Git & GitHub Session," "Resume Hacks & Data Science Tracks," and webinars like the "Solution Challenge Info Session." These events aim to help students gain hands-on skills, understand tools and technologies, and improve their professional profiles.



ICT- INFOSYS TRAINING:

The ICT-Infosys Training Program is part of a Corporate Social Responsibility (CSR) initiative by the Infosys Foundation. This particular training focuses on UI Development and aims to enhance students' technical and soft skills to prepare them for the IT industry. The training program was organized for a single batch consisting of 65 students at Sri Venkateswara College of Engineering (SVCE), Karakambadi Road, Tirupati. The program started with a pre-assessment test, designed to evaluate the initial skill levels of the participants before beginning the sessions. This pre-assessment ensures that the trainers can tailor the content based on the participants' needs.



This schedule ensured seven hours of training per day, allowing students to accumulate 100 hours of intensive learning by the end of the program. The training sessions were focused primarily on technical topics, particularly UI Development concepts, during the initial days. As the program progressed, soft skills training was also incorporated to help students improve their communication, teamwork, and presentation abilities — skills that are crucial for corporate environments and interviews.



The program followed a well-structured timeline, starting with technical modules like coding, web development fundamentals, and problem-solving, before moving into personality development and career readiness sessions. The soft skills portion was strategically scheduled towards the final days, giving students the confidence to apply their technical knowledge in real-world scenarios and placement activities.



FDP PROGRAM ON C LANGUAGE:

The Department of Computer Science and Engineering at Sri Venkateswara College of Engineering (SVCE), Tirupati, organized a one-week Faculty Development Program (FDP) on C Programming Language. The primary objective of this program was to enhance the teaching and technical skills of faculty members, equipping them with in-depth knowledge of C language concepts and effective teaching methodologies.

The FDP focused on strengthening the fundamental understanding of programming and problem-solving techniques, which are essential for both faculty development and improving the learning outcomes of students. C language being the foundation of programming, the program emphasized structured programming concepts, algorithm development, and efficient coding practices. It also aimed to bridge the gap between theoretical concepts and practical implementation in real-world problem-solving.

Over the course of seven days, participants were engaged in interactive sessions, hands-on labs, and discussions on core topics. The sessions were conducted by expert trainers and resource persons from reputed institutions and industry. The curriculum covered essential topics such as:

- Introduction to C programming and its applications
- Data types, operators, and expressions
- Control structures (if-else, switch-case, loops)
- Functions and recursion
- Pointers and dynamic memory management
- Arrays, strings, and structures
- File handling in C
- Best practices for writing optimized and maintainable code



CANCER AWARENESS PROGRAM:

The Sri Venkateswara College of Engineering (SVCE), Tirupati, organized a one-day Cancer Awareness Program with the objective of educating students and faculty members about cancer prevention, early detection, and treatment options. The event aimed to create awareness about the rising incidence of cancer and to encourage healthy lifestyle practices among the youth.

The program began with a formal inaugural session, attended by the Principal, faculty members, students, and healthcare professionals. Distinguished doctors and guest speakers from reputed hospitals were invited to share their expertise on various aspects of cancer. They spoke about common types of cancers, risk factors, early symptoms, and the importance of regular health check-ups for timely detection. The session also highlighted how lifestyle choices, such as smoking, alcohol consumption, poor diet, and lack of exercise, contribute to the development of cancer.

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This one-day initiative not only educated participants but also inspired them to adopt healthier lifestyles and become advocates for cancer prevention and early detection. It was a significant step by SVCE in promoting public health and social responsibility among its students.



UNIVERSITY INNOVATION FELLOWS (UIF) STANFORD UNIVERSITY PINNING CEREMONY

SVCE proudly hosted the Pinning Ceremony of the University Innovation Fellows (UIF), Stanford University, honoring our students who have completed this prestigious program.

The event was graced by our Chief Guest, Prakash Ambavaram, Vice Chairman, SV Colleges, who felicitated the Fellows for their dedication and commitment to driving change through innovation.

The Pinning Ceremony of the University Innovation Fellows (UIF), a prestigious program by Stanford University, was proudly organized by Sri Venkateswara College of Engineering (SVCE), Tirupati. This event celebrated the incredible achievements of SVCE students who successfully completed the UIF program, which is designed to foster innovation, creativity, and leadership skills among students, empowering them to bring positive changes to their campus and community.

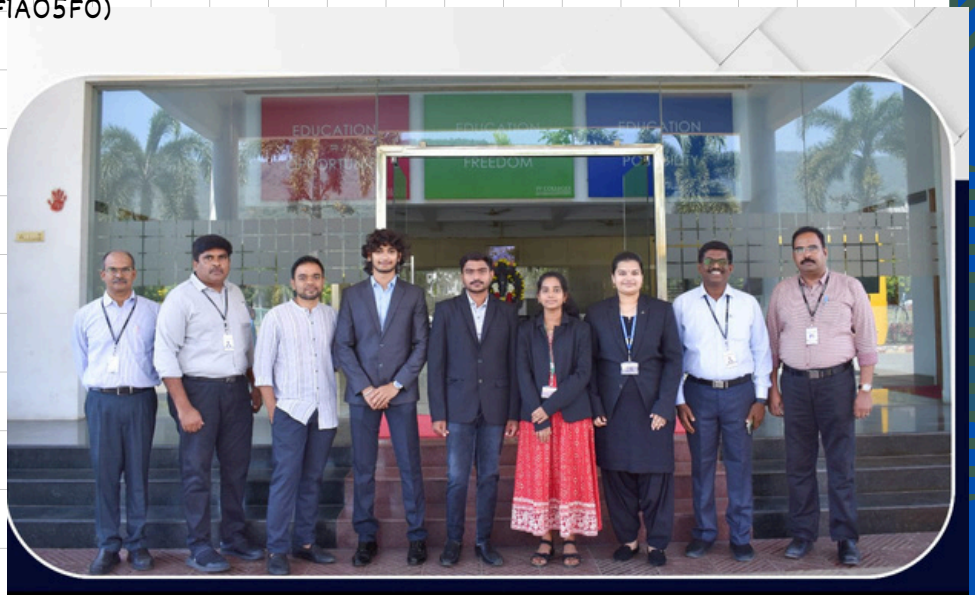
The ceremony took place on 12th February 2025 at the I Block Seminar Hall, SVCE, and was graced by the presence of the Chief Guest, Mr. Prakash Ambavaram, Vice Chairman of SV Colleges. During the event, he felicitated the Fellows, appreciating their dedication, innovative mindset, and commitment to creating impact through their projects and ideas.

The honored UIF Fellows included:

Theertham Rajasri (CSE - 21BFIA05G3)

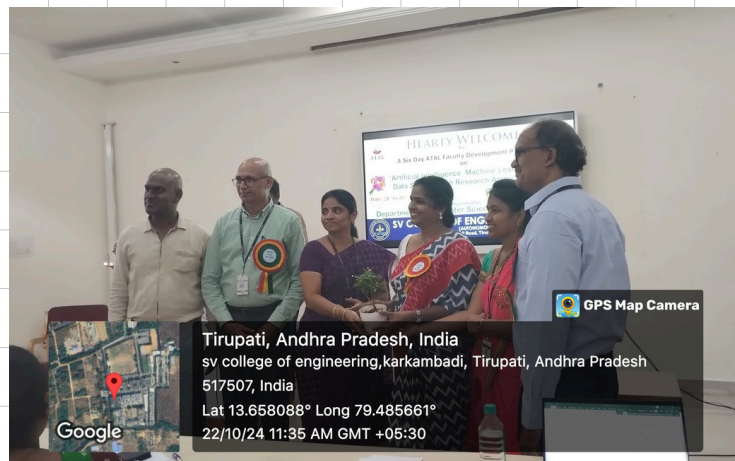
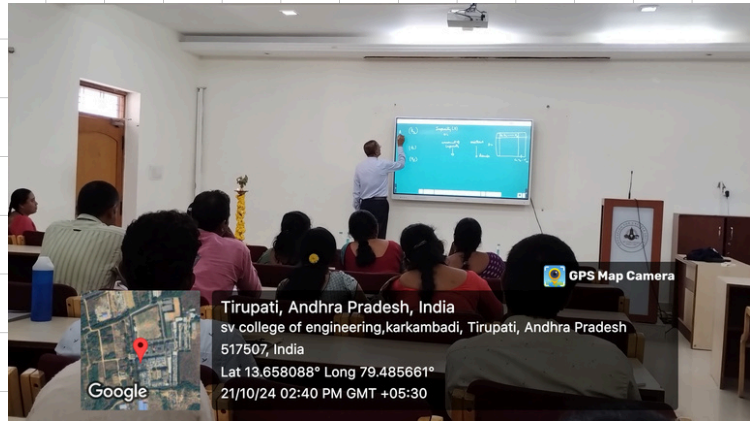
Settupalli Tirumala Gopinadh (CSE - 21BFIA05FO)

These students have undergone specialized training through the UIF program, gaining global exposure and working on innovative projects aimed at addressing challenges in education, technology, and social development. Their journey represents SVCE's vision of nurturing future leaders and changemakers.



FACULTY DEVELOPMENT PROGRAMME

A Faculty Development Program (FDP) was successfully conducted to enhance the skills and knowledge of educators, focusing on innovative teaching methodologies, research advancements, and professional development in higher education. The program served as a platform for knowledge sharing, fostering academic excellence, and building capacity among faculty members. Through interactive sessions, workshops, and expert-led discussions.

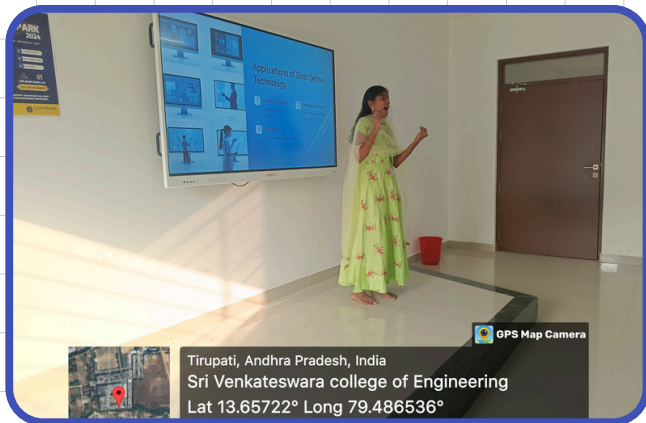


The FDP aimed to empower teachers with modern pedagogical skills, improve curriculum delivery, and strengthen industry-academia collaboration, ultimately contributing to overall academic growth and educational leadership. The FDP emphasized enhancing teaching methodologies, fostering innovative research, and promoting interdisciplinary collaborations in the AI and Data Science domain.

Sessions covered key topics in AI, ML, and Data Science, with special emphasis on Python programming, widely used for implementing algorithms and real-world applications. Expert speakers highlighted Python's role as a powerful tool for data analysis, model building, and machine learning solutions, making it an essential skill for educators and researchers in the field.



Tech-Spark : Department Events

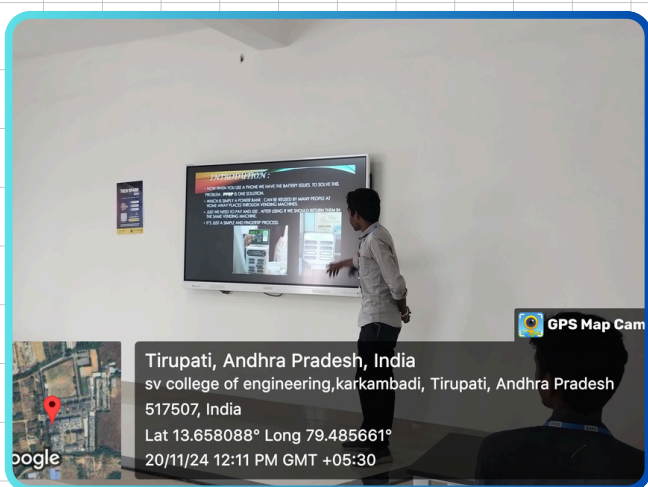


During TechSpark, a series of department-level events were organized to showcase innovative ideas and technical skills of students across various domains. Among these, the Paper Presentation on "Applications of Sixth Sense Technology" stood out as an engaging and knowledge-enriching session. A student from the CSE Department presented their research work, highlighting how modern system technologies are being utilized to solve real-world challenges, improve efficiency, and enhance digital transformation across industries.

Climate-Smart Agriculture focuses on using modern technologies and sustainable practices to address the challenges posed by climate change in agriculture. It integrates AI, IoT sensors, data analytics, and smart irrigation systems to improve crop productivity, conserve water, and reduce greenhouse gas emissions. CSA promotes resilient farming techniques that adapt to changing weather conditions, optimize resource usage, and ensure long-term food security while minimizing environmental impact. This approach bridges technology and traditional farming to create a more sustainable and climate-friendly agricultural system.



Project Expo:



As part of the Project Expo held on 20th November 2024, a student from the Computer Science and Engineering department delivered an engaging presentation on the recent developments in the field. The session provided valuable insights into the current trends shaping the future of computing and digital innovation. The student explained how continuous research and development are opening up new possibilities across various sectors. The presentation also emphasized the importance of adapting to change and staying updated with advancements. With clear examples and strong communication, the student captured the attention of both faculty and peers. The talk encouraged fellow students to think critically and explore innovative ideas for their own projects. It was well-structured, informative, and thought-provoking. The audience appreciated the confidence and clarity displayed during the session. Overall, it added great value to the expo and inspired students to stay curious and forward-thinking.

EXPLORICA - The Department Event



Explorica is the annual technical symposium organized by the Department of Computer Science and Engineering at SVCE. It's a celebration of innovation, intellect, and interaction, offering a rich blend of technical and non-technical events that cater to a wide range of interests.

The 2024 edition was a vibrant showcase of talent and enthusiasm. On the technical side, students tackled challenges in the Coding Quiz, impressed judges with their ideas during the Paper Presentation, and explored emerging tech through workshops and demos.

Meanwhile, the non-tech events brought a burst of fun and flavor—the Pani Puri Challenge was a crowd favorite, drawing cheers and laughter as participants raced to conquer the spicy snack!

Whether you came to code, present, or just enjoy the thrill of quirky contests, Explorica 2024 delivered an unforgettable experience that blended learning with pure enjoyment.



ALUMINI MEET:



An interactive session was organized by Department of Computer Science and Engineering. This gathering was conducted on 16th nov 2024. This Alumni talks serve as a bridge between current students and graduates, fostering a sense of community and providing essential support as students prepare for their future careers.

These events not only enhance the educational experience but also strengthen the alumni network, benefiting both current students and alumni alike.

The persons who came for alumni will share their experiences and provide advices to succeed in specific fields, and they also motivate students to overcome obstacles. From photo booths to memory walls, and from networking corners to a delicious lunch spread, every detail was crafted to make the day unforgettable. The meet wasn't just a reunion—it was a celebration of legacy, learning, and lifelong bonds.

INDUSTRIAL VISIT:

The faculty of Sri Venkateshwara College of Engineering Visited for industrial visit for IIT Tirupati on 25th October(Friday),2024.

The speaker was AI Expert,IIT tirupati came to guide the faculty. They saw the labs of that IIT, the college is structured very big and the labs are also built very technically. The internet also provided for students and there are more facilities provided in that college. There is one lab in that college which consists of only Mac books.The faculty of our college got an idea on the labs and classes of the IIT college in tirupati.

