

NEWSLETTER**Vision**

To become a leader in providing academic excellence with career development skills and research abilities in the area of Computer Science & Engineering.

Mission

- To achieve academic excellence through innovative learning practices
- To prepare students to adapt to the challenges of an ever-changing market needs.
- To build necessary skills required for employability through career development training
- To create interest among students to pursue higher studies
- To enrich students with good character and high integrity to serve the society.
- To promote research and development in the frontier areas of Computer Science & Engineering.
- To inculcate the spirit of moral values and discipline among students

Program Educational Objectives (PEOs)

- **PEO 1:** Graduates will have the expertise in analyzing real time problems and providing appropriate solutions related to Computer Science & Engineering.
- **PEO 2:** Graduates will have the knowledge of fundamental principles and innovative technologies to succeed in higher studies and research.
- **PEO 3:** Graduates will continue to learn and to adapt technology developments combined with deep awareness of ethical responsibilities in profession.

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III - CSE

Faculty Development Program

- ❖ The Department of Computer Science and Engineering (CSE) organized a One Week National Level Online Faculty Development Programme (FDP) on "Societal Applications of Machine Learning" from 24 July to 28 July 2023. The FDP attracted an overwhelming response, with more than 600 participants joining from various parts of India and international locations such as Argentina and Nigeria. This FDP provided a platform for participants to gain insights into the societal impact of machine learning, learn from experts in the field, and foster collaboration among academicians and researchers. The FDP was enriched by the contributions of 12 renowned resource persons who shared their expertise in machine learning and its societal applications. The diverse perspectives and rich discussions during the FDP have the potential to drive forward the research and application of machine learning for the betterment of society.



FACULTY ACHIEVEMENTS

- ❖ Dr. Anuj Rapaka as an Assistant Professor at Shri Vishnu Engineering College for Women, armed with an impressive tenure of 10 years and 4 months. His academic journey recently culminated in the attainment of a Ph.D. from Presidency University, Bangalore, in July 2023. Anuj's relentless pursuit of knowledge and expertise centers around the captivating domains of machine learning and image processing. Guided by the esteemed Dr. Clara Kanmani A, an Associate Professor at Presidency University, Anuj Rapaka is shaping the future of these cutting-edge fields, one innovative discovery at a time".
- ❖ Dr P. Kiran sree published a paper with titled “crowd counting and anomaly detection from cctv footages using deep learning augmented with cellular automata” July 2023 Journal of Theoretical and Applied Information Technology Vol.101. No 13(13):5275-5280.
- ❖ Dr P. Kiran Sree, Mr P J R Shalem Raju, Mrs P Archana, Dr RajaRao PBV has published a text book titled Fundamentals of Deep Learning: Theory and Applications with ISBN 978-8119152537. This text book is published by AGPH BOOKS and this is available in Flipkart & Amazon for sale.
- ❖ Dr P Kiran Sree, Smt. Usha Devi NSSSN, Dr RajaRao PBV, Dr M Prasad has published a text book titled Software Engineering with ISBN 9788119313136. This text book is published This text book is published by AASAN Pvt Ltd and this is available in Flipkart & Amazon for sale.
- ❖ Dr. Kiran Sree .P, Professor & Head, CSE acted as a Keynote speaker for the International Conference on Recent Trends in Commerce, Management, Science and Engineering (ICCMSE) 2023 - Online” through online mode on 25th & 26th November 2023 , Organized by Maharani Cluster University (MCU), Bengaluru, Karnataka, India & RSP Conference Hub, Coimbatore, Tamilnadu, India.

- ❖ Dr. P.Kiran Sree, Professor & Head , Mrs. PJR Shalem raju , Associate Professor, Published paper on Digital image watermarking based on hybrid FRT-HD-DWT domain and flamingo search optimization, INDER SCIENCE Publisher, International journal of computational vision and robotics, on October 11 2023, and indexed in Scopus.
- ❖ Dr. Kiran Sree .P, Professor & Head, CSE acted as Session Chair for the International Conference on Science , 25-26 November Engineering and Technology & Innovations organized by Eurasian University.
- ❖ Dr. Kiran Sree .P, Professor & Head acted as Resource Person for ,5 Days FDP Recent Trends in AI and ML for Smart Computing on 09-10-2023 organized by Institute of Engineering and Management, Kolkota.
- ❖ Dr. V. V. R. MAHESWARA RAO, Mrs. N. SILPA published a paper with titled “AN OPTIMAL MACHINE LEARNING MODEL BASED ON SELECTIVE REINFORCED MARKOV DECISION TO PREDICT WEB BROWSING PATTERNS”, Journal of Theoretical and Applied Information Technology 31st January 2023. Vol.101. No 2, ISSN: 1992-8645
- ❖ Mrs. N Silpa; Dr. V V R Maheswara Rao; Dr. Ramachandra Rao Kurada, An enriched employee retention analysis system with a combination strategy of feature selection and machine learning techniques. Proceedings of the 7th international conference on intelligent computing and control systems, ICICCS 2023, indexed in IEEE xplore and Scopus.
- ❖ Dr. K Rama chandra rao published a paper with titled “Raitu vrudhi- An Android based mobile application for Agro-Marketing” in international conference on emerging technology 2023 july indexed in IEEE xplore and Scopus.
- ❖ Dr. K Rama chandra rao, professor, published a paper with titled "Story Telling with Basic and Advanced Data Visualizations of Blockchain Technologies", 2023, Second IEEE International Conference on Augmented Intelligence and Sustainable Systems (ICAISS 2023) and IEEEExplore and indexed in Scopus.

- ❖ Dr. R Anuj, Associate Professor, An intelligent convolutional based graph cut segmentation for potato leaf disease severity prediction in Springer, Multimedia tools and applications on 23 september 2023 and indexed WOS & Scopus
- ❖ Mr.P.Taraka Stayanarayana Murty, published a paper with title “ A Hybrid Intelligent Cryptography Algorithm for Distributed Big Data Storage in Cloud Computing Security”. published Multi- disciplinary Trends in Artificial Intelligence. (MIWAI–23) pp 637–648 , june 2023 and indexed in Springer Lecture Notes in Computer Science book series .
- ❖ Mr. P. T.Satyanarayana Murty, Mr. Nageswara Rao, Dr. P. Kiran Sree, and Mr. A Satya Mallesh Faculty of Department of Computer Science and Engineering had written a Book with Titled FUNDAMENTALS of IoT & BIG DATA, with ISBN NO 978-93-5757-469-3, Published by SCIENTIFIC INTERNATIONAL PUBLISHING. The fundamentals of IoT (Internet of Things) and Big Data are revolutionizing industries and daily life. IoT connects everyday objects to the internet, enabling data collection and sharing, while Big Data deals with the massive information generated. The text book covers concepts of Fundamentals of IoT they are Features of IoT, Logical Design of IoT, IoT Enabling Technologies, Domain specific IoT and IoT Platform Design Methodology, Introduction to YARN, Introduction to Big Data Streaming. This Text BooK can be used as reference book for many universities and will be useful for the students for executing mini project and internship.
- ❖ The guest lecture by Dr. M. Prasad aimed to provide an in-depth understanding of the concepts, development, and deployment of Artificial Intelligence (AI) to the 100+ UG & PG students of MVN JS & RVR College, Malikipuram on 19th July 2023. The primary goal was to introduce the students to the fundamental principles of AI, its real-world applications, and the ethical considerations surrounding its deployment.

STUDENT ACHIEVEMENTS

- ❖ Niharika Gumpena(22B01A0556) of II CSE Selected as TOP 60 among 8500+ applicants in India for NXP WIT program organized by NXP Semiconductors for Nov 2023-Nov -2024.
- ❖ DUDALA YASASVI NAGA V V SRI SOWJANYA (20B01A0538), She has represented the college in CHESS(W) team and secure as winner and Selected for University Team in the Intuk central zone intercollegiate tournament cum Trails held at RISE Krishna sai prakash group of institutions (A) ongole on 14&15 th nov 2023.
- ❖ Niharika Gumpena(22B01A0556) of II CSE got Top 5% on NPTEL Online certification of 12 weeks Course on "The Joy of Computing using Python".
- ❖ Eeli Lalitha Sameera(21B01A0547) of III CSE got Best paper Presenter for a paper "A Robust XG- Boost Machine learning model for water Quality estimation system by leveraging with Chi-square forward sequential feature selection technique" Guided by Dr.VVR Maheswara rao,Dr.K.Ramachandrarao and Mrs.N.silpa for IEEE First international conference on AIKIE-2023 or- ganized by Rao Bahadur Y.Mahabaleshwarappa Engineering College on 2-3 nov 2023.
- ❖ VUNNAM VAISHALINI (20B01A0517) of IV CSE Presented a paper "EMPOWERING DIABETIC PREDIC- TION THROUGH MRMR-DRIVEN FEATURE SELECTION AND ROBUSTNESS OF ENSEMBLE MACHINE LEARNING" Guided by Dr.VVR Maheswara rao, Dr.K.Ramachandra rao and Mrs.N.silpa for IEEE- First ICIICS-2023 organized by Sharnabasva University,Kalaburagi on 24-25 nov 2023.
- ❖ Lalitha sri chalamalasetti(21B01A0589) of III CSE selected for UiPath student developer champion organized by UI PATH on 17th November 2023.

- ❖ Mohmmad Hafeeza Bhanu(20B01A05B3), Pappu Jyothi Sri(20B01A05D3),Talluri Sravani (20B01A05G6), Veduruparthi Vijaya Satya Tejaswini (20B01A05I1), Yivvala Harshini Devi(20B01A05J3) Selected for AEGIES Graham Bell innovation Awards in New Delhi on 21.2.2024.The honor, bestowed by the esteemed Minister Mr.Nitin Gadkari.



Department Events

Ethical Hacking

- ❖ The department of CSE at SVECW(A) has organized a three days hands-on Workshop on Ethical Hacking from 24-26 August 2023. III CSE Students have learnt various techniques in Ethical Hacking including Social Engineering Attacks, Pen testing with Kali-Linux, Advanced SQL Injection etc. On the last day of the Workshop Spypro Hack You competition was conducted for 02 hours. Three students got Paid internships & three got free internships from SpyPro Software Pvt Ltd.

Coding Demon 2023

- ❖ The Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women organized a thrilling event, "Coding Demon 2023," on June 30th, 2023. This event was designed to challenge and test the coding skills, problem-solving abilities, and competitive spirits of students. With a total of 184 students participating, it was a resounding success.

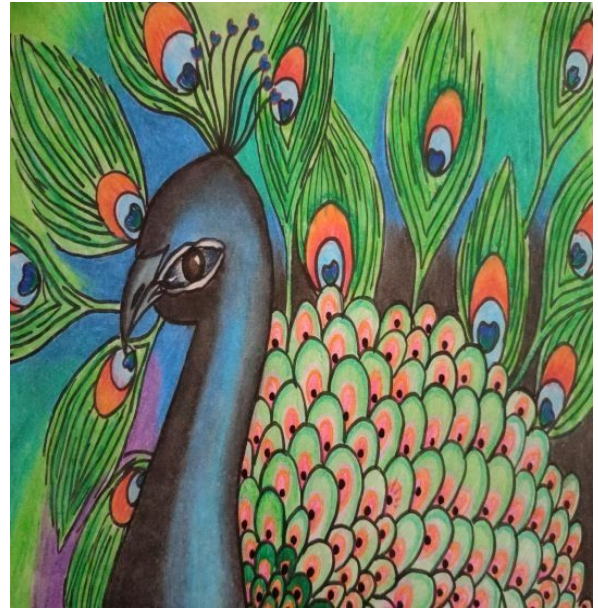
Building the Web: A Journey through Modern Web Development

- ❖ The Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women organized a one-day event titled "Building the Web: A Journey through Modern Web Development" on August 12, 2023. This event aimed to introduce students to the exciting and evolving world of web development. A total of 84 enthusiastic students attended the event.

IDEATHON

- ❖ The Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women hosted an exciting and intellectually stimulating event, IDEATHON, on August 5th, 2023. IDEATHON brought together the brightest minds from all fifteen batches of the department, with five students from each batch participating. The event aimed to provide a platform for students to showcase their innovative ideas in advanced computer science subjects.

Art by Students



What motivates me to draw pencil and oil pastel art is the freedom to express emotions and ideas that words often cannot convey. Pencil art allows me to capture intricate details and raw emotions, while oil pastels let me play with vibrant colors and textures to bring my imagination to life. Creating art gives me peace, helps me explore my creativity, and inspires me to see beauty in everyday moments.

Art by

REG NO : 23B01A0536

BRANCH: CSE





The Department of Computer Science & Engineering was established in the academic year **2001-02** with an annual intake of **60**. The intake was increased to **120** from the academic year **2006-07**. The department intake was increased to **180** from the academic year **2012-2013**. The Department is offering **two M.Tech** courses **Computer Science & Engineering and Software Engineering**. The UG-CSE Programme is accredited by **NBA** (National Board of Accreditation, AICTE, Delhi) in **Tier-I** and **PG-CSE** Programme is accredited by **NBA** (National Board of Accreditation, AICTE, Delhi) in **Tier-II**.

The Department focuses on preparing the students for wide range of IT careers equipping them with unique enriching experience of molding tomorrow's technocrats with high caliber and commitment.



[Computer science] is not really about computers and it's not about computers in the same sense that physics is not really about particle accelerators, and biology is not about microscopes and Petri dishes... and geometry isn't really about using surveying instruments.

(Hal Abelson)

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