# 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.

### INSIDE ISSUES

### EDITORIAL BOARD

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23B01A05H3
III - CSE

# TECHNOVA 2025

❖ Shri Vishnu Engineering College for Women (SVECW), Bhimavaram, successfully conducted its 24th College Annual Day and hosted TECHNOVA 2025, a premier National-Level Technical Fest that brought together Innovation, Creativity, and Technical prowess. This technical event has been conducted on 7th & 8th March 2025 organized by the Department of Computer Science and Engineering. The event witnessed an overwhelming participation of over 2000 students from 108 Engineering colleges across the country, including prestigious institutions like NIT Warangal, NIT Andhra Pradesh, IIIT Sri City, IIIT Kanchipuram, University of Hyderabad, and other State Deemed Universities.

❖ Dr. P. Kiran Sree, Head of the Department, CSE, and Convener of Technova 2025, expressed immense pride in the massive participation from various reputed institutions. He emphasized that the Hackathon is a true test of real-time problem-solving skills, challenging students to think critically and innovate effectively. He elaborated on the exciting lineup of hackathons, technical events, and spot competitions, which served as a platform for students to showcase their talents and problem-solving abilities.

# Events in TECHNOVA 2025

## Hello, Cyber World!

- ❖ As part of Technova 2025, Department of Computer science and engineering, Shri Vishnu Engineering College for Women hosted Hello, Cyber World! March 7th 2025, an engaging and beginner-friendly event aimed at introducing participants to the fundamentals of Cyber Security.



## Know It... Buzz It…

- ❖ As a thrilling highlight of TECHNOVA 2025, Department of Computer science and engineering, Shri Vishnu Engineering College for Women hosted 2025 the Know It... Buzz It... event ,March 7th 2025, It was designed to test the technical acumen, coding knowledge, and problem-solving abilities of participants in a high- energy, fast-paced quiz format.

## Project Expo

- ❖ As an integral part of TECHNOVA 2025, Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women, Bhimavaram, organized an event the Project Expo provided a platform for women students from engineering colleges across Andhra Pradesh to showcase their innovative projects and technical solutions, on March 7th 2025.



## Tech Tic-Tac-Toe

- ❖ As part of TECHNOVA 2025, Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women, Bhimavaram, organized an event the Tech Tic-Tac-Toe event brought an exciting and innovative twist to the classic Tic-Tac-Toe game by blending it with coding and technical challenges, on March 7th 2025.

# Expert Talk on Blockchain and Cryptocurrency

❖ The department of CSE, at Shri Vishnu Engineering College for Women, Bhimavaram, Organized an event Expert Talk on Block chain and Cryptocurrency on 12<sup>th</sup> March 2025. Resource Person for this talk was Mr. Venkata Ramchandra Raju P, an Independent Financial Advisor from Canada.



# Exploring Copyrights in Digital Content

❖ Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women, Bhimavaram, organized an event Exploring Copyrights in Digital Content Creation on 18/02/2025, Objective of the Event: To foster Innovation and Entrepreneurship by equipping participants with essential IPR knowledge for startups and digital content creation.

# Role of AI in Detecting and Managing IPR Infringements

❖ Department of Computer Science and Engineering at Shri Vishnu Engineering College for Women, Bhimavaram, organized an event Role of AI in Detecting and Managing IPR Infringements, on 21/02/2025, the main Objective: Explore AI's role in detecting, preventing, and managing IPR infringements in the digital era.

# FACULTY ACHIEVEMENTS

❖ Dr. V. V. R. Maheswara Rao of CSE Department has been awarded the prestigious **IEEE Senior Membership** in recognition of his outstanding contributions to the profession. This esteemed recognition reflects his dedication to research, innovation, and excellence in his field, further solidifying his impact on the academic and professional community.

❖ Dr. V V R Maheswara Rao of CSE Department has published a paper titled "A Flawless QoS Aware Task Offloading in IoT Driven Edge Computing System using Chebyshev Based Sand Cat Swarm Optimization." In Springer Nature, Journal of Grid Computing, 23, 7 (2025). https://doi.org/10.1007/s10723-024-09791-1, **SCI Q1 Journal with Impact Factor 3.6.**

❖ Dr. V. V. R. Maheswara Rao of CSE Department has received the **Best Paper Award** for his publication, "An Innovative Machine Learning System for Optimal Multi-Class Classification of Date Fruits by Leveraging Backward Feature Engineering to Promote Sustainable Agriculture," at the 2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS), Kalaburagi, India.

❖ Dr. T. Gayathri, Professor, CSE Department, published a Test book with entitled "Cloud information security", Bonfring publisher, ISBN 978-81-97159-94-7.

❖ Dr. T. Gayathri, N. Durga, K. Ratna kumari, CSE Department, published a paper titled "Prediction of Daily Cow's Milk Yield Using IGHOA-Based Convolutional Neural Network in Smart Farming System", 2nd International Conference on Signal Processing, Communication, Power and Embedded System indexed in Scopus.

❖ Dr.T. Gayathri, et.al, Professor, CSE Department, published a paper titled "Emperical Investigations to predict Stock Price using regression to Improve the trends of Information Technology" in Journal of Theoretical and Applied Information Technology (JATIT), ISSN: 1992-8645.

- ❖ P.B. V Raja Rao, et.al, Associate Professor, published paper titled "Ensemble Fusion for Enhanced Malicious URL Detection by Integrating Machine Learning and Deep Learning Techniques, International Conference on Cognitive Computing and Cyber Physical Systems and indexed in Scopus.

- ❖ Raja Rao PBV, M. Prasad, Kiran Sree Pokkuluri, P. Srikanth, Srinivasa Rao Dangeti, et.al, published paper titled "An Efficient Sentiment Classification Model Using Fusion of BERT and Deep Learning RNN Variants" International Conference on Cognitive Computing and Cyber Physical Systems, and indexed in Scopus.

- ❖ P.B.V. Raja Rao, et.al, Associate Professor, published paper titled "An Effective Malware Detection Model Using a Novel Fusion of Machine Learning and ANN Approach" International Conference on Algorithms and Computational Theory for Engineering Applications and indexed in Scopus.

- ❖ P.B. V Raja Rao, et.al, Associate Professor, published paper titled "Optimizing lung Cancer Detection: The Synergy of Support Vector Machine and Random Forest, International Conference on Decision Aid Sciences and Applications (DASA), 11-12 December 2024, and indexed in Scopus.

- ❖ P.B.V. Raja Rao, et.al, Associate Professor, published paper titled "Weighted Majority Voting Ensemble for MRI-Based Brain Tumour Classification Using Capsule Networks and XGBoost" in Journal of Applied Magnetic Resonance.

- ❖ P. Sunil Kumar, Dr. P. Kiran Sree, and Dr. Raja Rao PBV," Published a Text book titled "Generative AI Principles, Techniques, and Innovations" published by AASAN Publishers

- ❖ P Raju, Assistant Professor, CSE department, published Book Chapter titled "Telecom Customer Churn Prediction Using Machine Learning." in Cognitive Computing and Cyber Physical Systems. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 599. Springer, Cham. https://doi.org/10.1007/978-3-031-77081-4_17 during February 2025.

- ❖ Dr. M. Narasimha Raju , et.al, Assistant professor, CSE Department, published a paper titled "An Advanced Learning Based Diabetes Mellitus Prediction Using KNN" in the 5th International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS 2024) during December 2024 and indexed in Scopus.

- ❖ Nageswara Rao Aramanda, et.al, Assistant Professor, CSE Department, published a paper titled "Spatiotemporal dynamics and transformation of the Parana State coastline: A 34-year analysis using RS, GIS, and machine learning" Journal of South American Earth Sciences.

- ❖ Nageswara Rao Aramanda, et.al, Assistant Professor, CSE Department, published a patent titled " Real-Time Sign Language Translation Using Media Pipe: Bridging Communication Gaps Through Gesture Recognition "Application No.202441087364,Date of filing of Application :13/11/2024 , Publication Date: 22/11/2024.

- ❖ Dr. Ashok Koujalagi, Assistant Professor, CSE Department Department of CSE, has published a Book Chapter titled "Applying Generative AI in a Global Language School to Improve Curriculum Planning" Published in IGI Global Published- USA, during April- 2025. DOI: 10.4018/979-8-3693-8744-3.ch007.

- ❖ Dr. Ashok Koujalagi, Assistant Professor, CSE Department, has got granted a Registration for a UK Design a Patent with the title of Invention as "AI-Enabled Stress Monitoring and Alert Device".

- ❖ Dr.P.Srikanth , Prasad Maddula, Kiran Sree Pokkuluri, Sunil Pattem, Ramachandra Rao Kurada and Ramu Yadavalla of CSE Department published a paper titled "Detection and avoidance of black-hole attack in mobile adhoc network using bee-ad-hoc on- demand distance vector" in the IAES International Journal of Artificial Intelligence (IJ- AI) Vol. 14, No. 1,ISSN: 2252-8938, DOI: 10.11591/ijai.v14.i1.pp822-832.

- ❖ Dr.P. Srikanth, Associate professor of CSE department published a paper titled "Performance Analysis of Malicious and Residual Node Detection in Manet Using Deep Learning Techniques" in Journal of New Materials for Electrochemical Systems Vol.28, No.1,pp 48-55. doi: https://doi.org/10.14447/jnmes.v28i1.a05

- ❖ V.S.S.P. Raju Gottumukkala, Assistant professor, CSE Department, et.al, published a paper entitled "Predictive Modelling of Lung Cancer Disease Outcomes Using Ensemble Learning, Informing Science, The International Journal of an Emerging Transdiscipline, 28, pp.004–004. doi:https://doi.org/10.28945/5448, indexed in Scopus.

- ❖ V.S.S.P. Raju Gottumukkala, Assistant professor, CSE Department, et.al, published a paper entitled "Machine Learning Approaches for Anomaly Detection in Network Security: Challenges, Methods and Advances" 7th International Conference on Communication and Electronics Systems (ICCES), pp.2027–2031. doi:https://doi.org/10.1109/icces63552.2024.10859675, indexed in Scopus.

- ❖ V.S.S.P. Raju Gottumukkala, Assistant professor, CSE Department, et.al, published a paper entitled "Enhancing Network Security: ML-Based Anomaly Detection.2024 First International Conference for Women in Computing (InCoWoCo),pp.1–5. doi:https://doi.org/10.1109/incowoco64194.2024.10863500, indexed in Scopus.

- ❖ Dr. P. Sri Ram Chandra has received **Certificate of Excellence** in Reviewing in recognition of outstanding contribution to the quality of the Journal **JAMCS.**

- ❖ Dr. M Prasad has received **"Best Paper Award"** in 2nd International Conference on Smart and Sustainable Energy Systems, **(ICSSES-2025)** Organized by Vishnu Institute of Technology, Bhimavaram 14 & 15 March 2025.

- ❖ Dr. P B V Raja Rao has received **"Best Paper Award"** in 2nd International Conference on Recent Advances in Applied Sciences and Engineering, **(ICRAAE-2024)** Organized by Shri Vishnu Engineering College for Women, Bhimavaram 06 & 07 December 2024.

- ❖ Dr. N. Silpa received **NPTEL Elite + Silver medal** and **Top 5%** of Certified Students with **82%** in "Business Intelligence and Analytics" during Jan-Apr 2025.

- ❖ Mrs. K Soni Sharmila received **NPTEL Elite + Silver medal** and **Top 5%** of Certified Students with **84%** in "Cloud Computing and Distributed Systems" during Jan-Apr 2025.

# FACULTY as NPTEL STARS

## NPTEL Domain Scholar Jan-Apr 25

**Computer Science**

**SONI SHARMILA KADIMI**

faculty

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN

Data Science

## NPTEL Motivated Learners

Courses taken: 14

**POPPOPPULA T SATYANARAYANA MURTY**

Faculty

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN

## NPTEL Believer

Courses taken: 5

**POPPOPPULA T SATYANARAYANA MURTY**

faculty

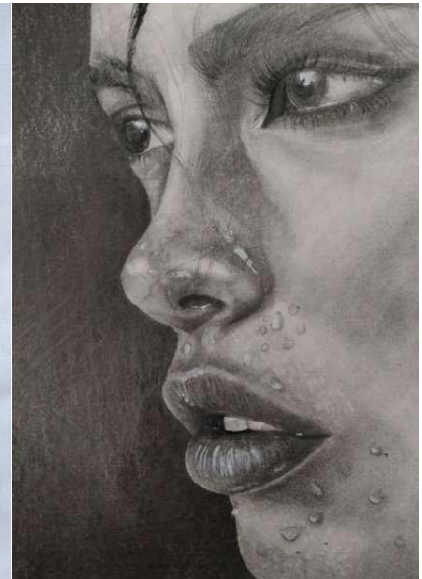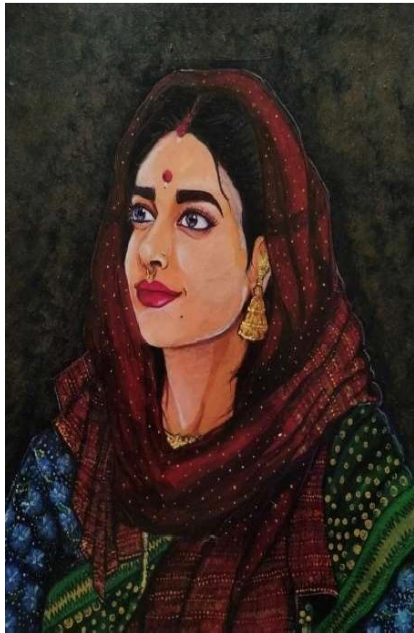SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN

# STUDENT ACHIEVEMENTS

- ❖ Tejaswi(21B01A0592),M.Kavya(21B01A0591),Hemasri(21B01A0598),L.Harshitha(21B01A05 90)& K.Sai Venkata Sahithi(21B01A0586) of IV CSE Published a paper "A Deep learning Based System to Detect triple Riding and Helmet Violations through CCTV Webcam" in the International conference on Advancements in Computing Technologies & Artificial Intelligence Computation-2025(Computatia-2025) at Vivekananda Global University, Jaipur , and indexed in Scopus. Guided by Dr. T. Gayathri, CSE Department.

- ❖ Thatti Teja sri(21B01A05I0), T Suvarna Lakshmi Kalyani(21B01A05I5), Shiek Rajiya (21B01A05H0), Pasumarthi Kriti Meher(21B01A05D6)& Songa Siri( 21B01A05H3) of IV CSE published a Paper"Mental Wellness ChatBot for Students using NLP" in the 2nd International Conference on Machine learning and Autonomous Systems-ICMLAS-2025 Organized by Stanford International university,Bankok,Thailand on 10th-12th March 2025 guided by Dr. P.B.V. Raja Rao, CSE Department.

- ❖ P. Saranya(21B01A05C8), K    Satvika(21B01A0567), R. Charmy    Rose(21B01A0580), R. Sravani (22B05A0511) & R. Satya Vani (22B05A0512) of IV CSE Published a Paper" Deep Learning Note-Taking App with CNN And NLP for Hand written and voice notes" in the International conference on Advancements in Computing Technologies & Artificial Intelligence Computation-2025(Computatia-2025) at Vivekananda Global University,Jaipur guided by Mrs.Rama Lakshmi Manga Tayaru, CSE Department.

- ❖ Palingi Prathibha (23B01D5814) of M.Tech-CSE Published a paper" Multi class Classification of DDoS Attack Using HSOFS Algorithm in IOT Networks" in 2nd International Conference on Algorithms in Advanced Artificial Intelligence(ICAAAI-2024) organized by SRKR engineering college ,Bhimavaram on 4th-6th DEC 2024, and indexed in Scopus Guided by Mr. M. Ramesh Babu, CSE Department.

- J. Sai Divya(23B01D5805) of M. Tech-CSE Published a paper "A comprehensive Review of E-voting systems: security, scalability and Usability" in 2$^{nd}$ International Conference on Algorithms in Advanced Artificial Intelligence (ICAAAI-2024) organized by SRKR engineering college, Bhimavaram on 4$^{th}$-6$^{th}$ DEC 2024, and indexed in Scopus Guided by Dr. T. Gayathri, CSE Department.

- Polisetti Rani(23b01d5815) of M.Tech (CSE) student published a paper on "Optimized Financial Fraud Detection using SMOTE Enhanced Ensemble Learning with Catboost and Light GBM" in International Conference on Visual Analytics and Data Visualization (ICVADV-2025) on 4-6 Mar 2025 organized by Francis Xavier Engineering College,Tamil nadu Guided by Mr.Y.Ramu ,CSE Department.

- P.L.R. Kameswari(23B01D5817) of M.Tech-CSE published a paper "A Exploring Hybrid Classifier through Stacking and voting Ensembles for robust multilingual spam Classification" in the 5$^{th}$ International Conference on Advances in Electrical,Computing,Communication and Sustainable Technologies(ICAECT 2025) on 17$^{th}$ April 2025, and indexed in Scopus guided by Dr. P.R. Sudharani ,CSE Department.

- P.L.R. Kameswari(23B01D5817) of M.Tech-CSE published a Paper "Multilingual Spam classification using Advanced Deep learning Techniques" in the 5$^{th}$ International Conference on Sustainable Communication Networks and Applications (ICSCNA 2024) organized by Bharathi nikethan Engg College on 11-13 Dec 2024, and indexed in Scopus guided by Dr. P.R. Sudharani.

- Abhi Priya Darshini Kurasa (23B01A05A2) of II CSE got LinkedIn coachIn Mentee in LinkedIn CoachIn Mentorship Program 2025

- Katta Rajini Priya (22B01A0584) & Harshita Nalluri (22B01A05C7) of III CSE secured 1$^{st}$ place in the event PowerPoint Showdown (Presentation)in Teckfleet'25 organized by SRKR Engineering college in association with CSI Branch, Bhimavaram on 15 Feb 2025.

- ❖ Kollu Hruthika Manojhna(22B01A0591) of III CSE secured 2$^{nd}$ Place in the event Art gallery-TRANCE 2k25 organized by SRKR Engineering college in association with CSI branch, Bhimavaram on 15 Feb 2025.

- ❖ Polisetti Rani(23b01d5815) of M.Tech (CSE) student research publication has been recognized with the **Best Paper Presenter Award** under the guidance of Mr. Y. Ramu, Associate Professor, Department of CSE, at the IEEE 2025 International Conference on Intelligent Systems and Computational Networks (ICISCN) held on January 24-25, 202 5, at Lingaraj Appa Engineering College, Gornalli, Bidar, Karnataka.The research paper, titled "Analysis on AI-based Techniques for Detection of Banking Frauds: Recent Trends, Challenges, and Future Directions," authored by Ramu Yadavalli, Rani Polisetti, and Ramachandra Rao Kurada, explores cutting-edge AI methodologies for detecting and mitigating banking fraud.

- ❖ Konagalla Tejaswi(21B01A0583) & Santhi Priya Nunna(21B01A05C4) of IV CSE has received the prestigious **Aegies Graham Bell Award** National Talent Hunt Scholarship 2025**(AGBA 2025)** from the Ministers of central Government of India at New Delhi on 20 Feb 2025.

- ❖ B.H.S.L.R. Anjani(23B01A4607), S. Madhurima(23b01a4651) and Y.Shyamala(23b01a05j5) of II CSE&CS Team Code "Champs" secured **FIRST PRIZE** they received a Medal, a Cash Prize of Rs.1500 & Certificates in the event Hackathon during national level Tech Fest **INFINIT 2k25** organized by department of IT, CR Reddy Engineering College on 12/03/25 .

- ❖ Niharika Gumpena(22b01a0556) of III CSE secured **1$^{st}$ runner up** for her outstanding performance in Diversity Hackathon 2025 conducted by Standard Chartered GBS Early careers.

- ❖ D. Ramya (23B01A0545) & A. Lalitya (23B01A0502) of II CSE Team Code "Champs" secured **SECOND PRIZE** in the event Hackathon during national level tech fest INFINIT 2k25 organized by department of IT, C R Reddy Engineering College on 12/03/25.

# Acrylic painting and pencil painting



**Art by**
**K. Divya Sumanvitha**
**23B01A0587**
**CSE-B**

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.

B. Tech. in Computer Science includes study of various aspects of computer to meet the requirements of the various industries. The course contains study of the basic computer sciences and its application, as well as the detailed study of the various aspects of its working. The course of B.Tech in Computer Science trains an individual in the fields related to computer and its industry.



[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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