



# PRATHIBHA

*The Blooming Identity*

*The Quarterly Magazine published by SVECW*

**25**  
*years of*  
**SVECW**

*Transforming society*  
**through women education**





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# STUDENT ACHIEVEMENTS



Ms. Seeram Bhuvanewari (22Bo1Ao140) of Civil Engineering department qualified in GATE 2026, securing an All India Rank (AIR) of 10,475 Her achievement reflects dedication, perseverance, and academic excellence, inspiring fellow students to strive for higher goals in engineering and research. The department wishes her continued success in all future endeavours.



A. Hari Vardini (24Bo1Ao105), U. V. Chandralekha (24Bo1Ao158), and V. Anushap (24Bo1Ao161) actively participated in SUMEDA 2026 conducted at Gayatri Vidya Parishad College of Engineering (GVPCE) on 18<sup>th</sup> March 2026 and brought laurels to the department through their outstanding performance. The team secured First Prize in the CBCT (Cube Contest) under the mentorship of Dr. K. N. A. G. K. Manikanta and also won First Prize in the Waste to Wonder Competition under the guidance of Mr. Ramgopal L.

P. Jyothi Malleswari (23b05a0109), A. S. Lakshmi Madhuri (24b01a0104), G. Bhavya Sri (24b01a0120), G. Honesyma (24b01a0122) and P. Jyoshna Sirisha (24B01A0136) of Team Valkyries from Department of Civil Engineering representing ASCE Student Chapter won second place at ASCE India Regional Student Symposium in TIMBER STRONG BUILD DESIGN Competition organized by ASCE India at Punjab Engineering College & UPES, Dehradun on March 25-29, 2026.



III CE student Kothavala Rohitha and her team have successfully secured a total funding of ₹20.5 Lakhs for two innovative projects focused on Low-Carbon Footprint Solutions and Technologies. The projects are:

- Eco-Friendly and Cost-Efficient Biodegradable Alternative to Plaster of Paris (POP)” (ID: IDEAAP039783) – received ₹10 Lakhs
- “RePlaStic: Carbon-Neutral Roofing Tiles and Pavers from Plastic Waste and Industrial Byproducts” (ID: IDEAAP039784) – received ₹10.5 Lakhs

Ramgopal L., Assistant Professor in the Department of Civil Engineering, has effectively mentored her throughout this achievement.

## MSME IDEA HACKATHON 5.0

**Sanctioned Amount**

 <p>"Eco-Friendly and Cost-Efficient Biodegradable Alternative to Plaster of Paris (POP)"</p> <p style="font-size: 1.2em; font-weight: bold;">Rs. 10,00,000/-</p> <p style="font-size: 0.8em;">IDEAAP039783</p>	 <p>"Replastile Carbon-Neutral Roofing Tiles and Pavers from Plastic Waste and Industrial Byproducts"</p> <p style="font-size: 1.2em; font-weight: bold;">Rs. 10,50,000/-</p> <p style="font-size: 0.8em;">IDEAAP039784</p>
<b>TEAM MEMBERS</b>	
 <p><b>Mr. L. RAMGOPAL</b> (Assistant Professor, CE) Faculty Mentor</p>	 <p><b>KOTHAVALA ROHITHA</b> (III Year, CE) Incubatee &amp; Team Lead</p>
 <p><b>M. TANMAYI SRI</b> (III Year, CE)</p>	 <p><b>T. KAVYA SRI</b> (III Year, CE)</p>
 <p><b>S. SHIRISHA</b> (III Year, CE)</p>	 <p><b>P. PHANISRI</b> (III Year, CE)</p>
 <p><b>B. LOHITHA DATTA</b> (III Year, CE)</p>	



N.Y.D. Rajya Lakshmi (23B05A0108), G. Sravani (22B01A0114), K. Yazna sree (22B01A0122) and L. Bindu (22B01A0123) of CE students received first prize in R&D show case 2026, held on 10-04-2026 under the guidance of Dr. N A G K Manikanta Kopuri.

Pilli Vandana(23B01A05E6) of III CSE Secured Overall Second place in 13<sup>th</sup> AP state Sub - Junior & Junior masters classic Powerlifting championship held at GMRIT, Razam. She got GOLD MEDAL in Powerlifting at JNTUK-Inter collegiate Powerlifting (Men & Women) Tournament hosted by St. Ann's college of Engineering & Technology Chirala and got two Gold Medals, strong Women Title & Selected for State Competitions in 5<sup>th</sup> United East & West Godavari District Classic power Lifting and Bench press Competition held on 3-4<sup>th</sup> March 2026.



Kalidindi Lohitha Sri (23B01A0574) of III CSE Secured FIRST position on "Pivot Change is Constant- 24Hr Makeathon" organized by Vishnu TBI on March 2026.

P Krishna Priya (23B01A05Fo) of III CSE got **FIRST** position on” SUMEDHA - UI / UX Designing Contest “Organized by GVPCE(A), Vizag on 16<sup>th</sup> March 2026.



Kumpatla Navya (23B01A0226) of III EEE is the winner of the IET Ignite: Craft the Future 2026 – Final Round, organized by IET Hyderabad Local Network and IET Bangalore Network in collaboration with Arcadis on April 11<sup>th</sup> 2026 at The Fern Residency, Bangalore for her contribution to the development of a Smart Microgrid system enabling peer-to-peer solar energy sharing, intelligent load management during power cuts, and real-time renewable energy optimization using MATLAB simulation.

Mandapati Udaya Lakshmi (23B01A0232), of III EEE was honored with the Next Gen Innovator Award at the IET Student Achievement Awards 2026 organized by IET Hyderabad Local Network, held on April 11<sup>th</sup> 2026 at The Fern Residency, Bangalore. She was recognized for her Solar Powered Aerator project for aquaculture, designed to improve dissolved oxygen (DO) efficiency in water using renewable solar energy.





Ms. Vuyyuru Indu Sri (22B01A0260) and Ms. Dharavathu Dharani Lakshmi Prasanna (22B01A0219) of IV EEE won the First Prize in the hardware project category for their project titled “Design and Implementation of Automated Alert System with Cloud-Controlled Scheduling and Manual Operation Using Solar Energy.” mentored by Dr. B. Ramu.

K. Lalitha Sushumna(20B01A0580), Malapati Sujatha(20B01A0598), K. Prasanthi(20B01A0585) & K. Sumathi(21B05A0509) of CSE department Published a Research Paper in International conference “Personalized Tour Recommendation Systems” at 2026 IEEE AIEI Organized by NIT, Jamshedpur with guidance of Dr. V. Purushothama Raju, Department of CSE.



Two teams from the ECE Department have been selected for the Final Round of IEEE YESIST12 2026. The selected team members are Y. V. Sai Sindhu (23B01A04D2), P. Aasritha (23B01A0493), Ramani Valluri Sravya Lakshmi Tulasi (23B01A04C0), P. Divya Durga Parvathi (23B01A0489), Y. Keerthi (23B01A04C6), and B. Rohitha (23B01A04A2). The teams are working under the guidance of Dr. M. Venkata Subbarao and Dr. G. Challa Ram, Faculty Members of the ECE Department.



S. Gowri Priya (24B01D4308), B. Devi Latha (23B01A0204), A. D. L. Rushitha (24B01A0205), T. Ramani (24B01A0262) and K. Koteswari (24B05A0207), of EEE department published a paper titled, "Dynamic Modeling and Control of an Improved High-Gain Cubic Boost Converter for Electric Vehicle Charging Stations," in 2026 3rd International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS), Nagpur, India, 2026



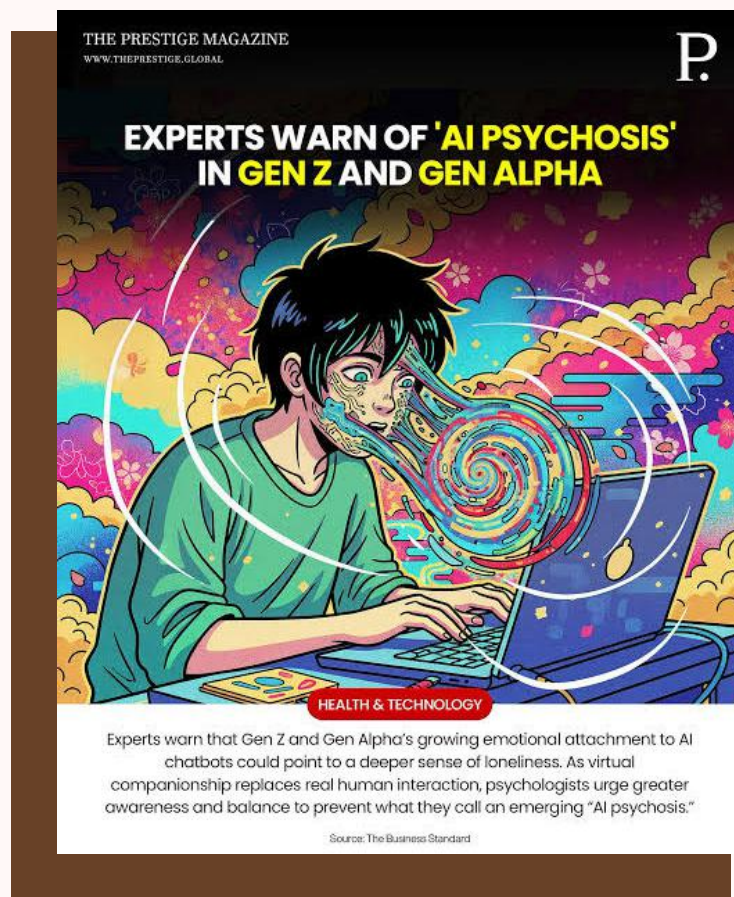
# AI THERAPY- HELP OR HAZARD?

In the 21st century, when we rely on Artificial Intelligence (AI) in our daily lives from learning a new language to paying for food, it is expected that AI's influence would seep into the field of mental health. Shifting lifestyles, constraints in time and money, easy accessibility often pushes people to look towards alternate platforms for help and guidance.

AI chatbots and Large Language Models (LLMs) like Chat GPT, Gemini and Claude have become especially popular among youth aged 16 to 25 years because they offer them instant conversations, emotional support and advice. Even though AI has 'human-like' qualities, it works on a complex set of calculations and is trained to predict and respond to behavior using large amounts of data which can be misleading and inaccurate.

## Illusion of Empathy

One concern regarding the use of AI is what experts call 'Artificial Empathy'. While human empathy consists of understanding the nature and context of the situation, AI cannot feel genuine compassion or concern for its user. When it says "I understand what you're going through", it is a prediction of the right response and not authentic understanding or care for its user.



## Incorrect Advice and Risk Assessment

While counselling involves observation of verbal and non-verbal cues by a trained therapist, an AI system cannot recognize the nuances of its user's feelings and emotions thereby misinterpreting the situation and giving inappropriate suggestions that may not fit the user's state of mind. Chatbots are affirming machines that mirror the user's reactions rather than challenge harmful patterns of thinking. Recent research reveals that AI may trigger 'AI psychosis', encourage self-harm and suicidal ideation and increase overall anxiety and depression.

AI chatbots are not fit to judge or determine a crisis situation nor will be able to provide appropriate responses posing real-life consequences to its users.

### Emotional Dependency

The characteristics of AI models- 24/7 availability, constant validation, praise and lack of confrontation make it highly appealing to the human psyche especially for individuals experiencing loneliness and social anxiety. While mental health professionals focus on making their clients self-sufficient and self-reliant, AIs reduce opportunities to build genuine connection with others thereby increasing emotional dependence and attachment towards the chatbot. This can in turn reduce people's overall emotional and social functioning and have long-term effects on their relationships.

### Privacy Risk

Mental health professionals are bound by laws and ethics to protect their client's data but the same cannot be said for companies owning AIs. While many companies emphasize user privacy and data, they have clauses which state that they will take certain data to train their AIs. There have also been multiple accounts of sensitive information being leaked online by hackers. This raises serious questions about who owns the data, storage of data and third party access.



Counselling Psychologist  
 Department of Psychology and Life Skills  
 Shri Vishnu Engineering College for Women

## Cultural Bias

AI systems are trained on existing data and lack real information about the cultural differences that exist in understanding mental health experiences. A one-size- fit model may not help the user and can feel insensitive to their cultural, ethnic and socioeconomic backgrounds.

Having said this, AI may be used very cautiously in limited amounts to

- increase mental health awareness.
- get relevant resources.
- act as a referral system for counselling and therapy.

While AI can listen, respond and imitate empathy, it cannot share human experiences or ethics of care. Mental health requires efficient and timely responses that require human connection and lived experiences. AI should only act as a tool for initiation into mental health services and not be used as the nucleus for help and guidance.



**Clinical Red Flags**  
 Warning Signs of AI-Related Psychosis

Look for these patterns when assessing patients who interact frequently with AI systems or chatbots.

- REFERENTIAL INTERPRETATION**  
 The patient believes AI outputs, coincidences, or online content are specifically directed at them or carry hidden meaning.  
 Example: "The AI keeps sending me messages that only I can understand."
- ATTRIBUTION OF SENTIENCE**  
 The patient believes the AI has consciousness, intentions, or emotions and experiences a real relationship with it.  
 Example: "My chatbot is sentient and truly cares about me."
- AUTHORITY SUBSTITUTION**  
 The patient relies on AI guidance over professional, medical, or social advice, seeing the AI as a superior authority.  
 Example: "I trust the AI more than doctors or therapists."
- BEHAVIORAL DECOMPENSATION**  
 Decline in sleep, functioning, social engagement, or reality testing associated with increased AI interaction.  
 Example: "I stay up all night talking to the AI and can't focus on anything else."

**CLINICAL PEARL:** These red flags may appear gradually. Early assessment and open discussion about AI use can help mitigate risk and prevent further psychological deterioration.

*Always assess in the context of the patient's psychiatric history, current stressors, and overall clinical picture.*

### Resources You May Explore:

- What is AI Psychosis? And Why It's Happening More often (Youtube video)
- Mental Health Risks of Using AI (Youtube video)
- AI Therapy is Making you Mentally Weak (Youtube video)

# FOCUS



**AT SVECW**

# A Legacy of Excellence, Innovation and Continuous Quality Improvement

## Transforming Engineering Education Through Outcome-Based Learning

As Shri Vishnu Engineering College for Women marks 25 years of academic excellence, the institution continues its steadfast commitment to quality assurance, continuous improvement, and outcome-based education. Its NBA accreditation journey stands as a testament to its enduring pursuit of excellence and its mission of empowering women through world-class education.

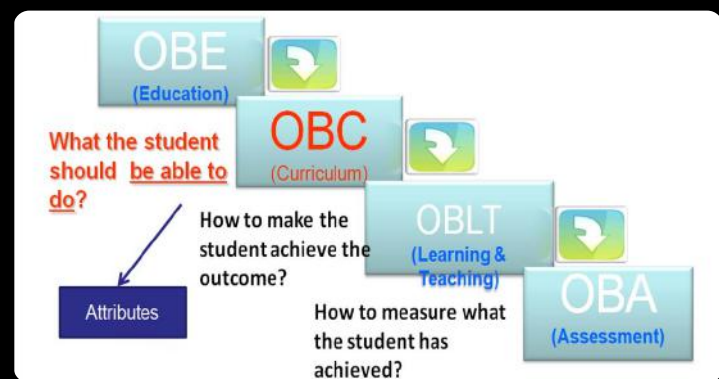
Established in 2001, SVECW has evolved into one of the premier institutions for women's engineering education in the country. This remarkable growth has been driven by visionary leadership, dedicated faculty, strong industry engagement, state-of-the-art infrastructure, and a student-centric learning ecosystem. The institution's consistent success in securing NBA accreditation across its programs reflects its unwavering commitment to academic quality and adherence to national and international standards.

### WHAT IS NBA?

The National Board of Accreditation (NBA) is an autonomous body established by the All India Council for Technical Education (AICTE) to assess and accredit technical education programs across India.

NBA accreditation focuses on:

- Outcome-Based Education (OBE)
- Curriculum relevance
- Student performance
- Faculty competence
- Research and innovation
- Industry interaction
- Infrastructure and facilities
- Continuous improvement



## THE NBA JOURNEY: A TIMELINE OF EXCELLENCE

2008 – The Beginning

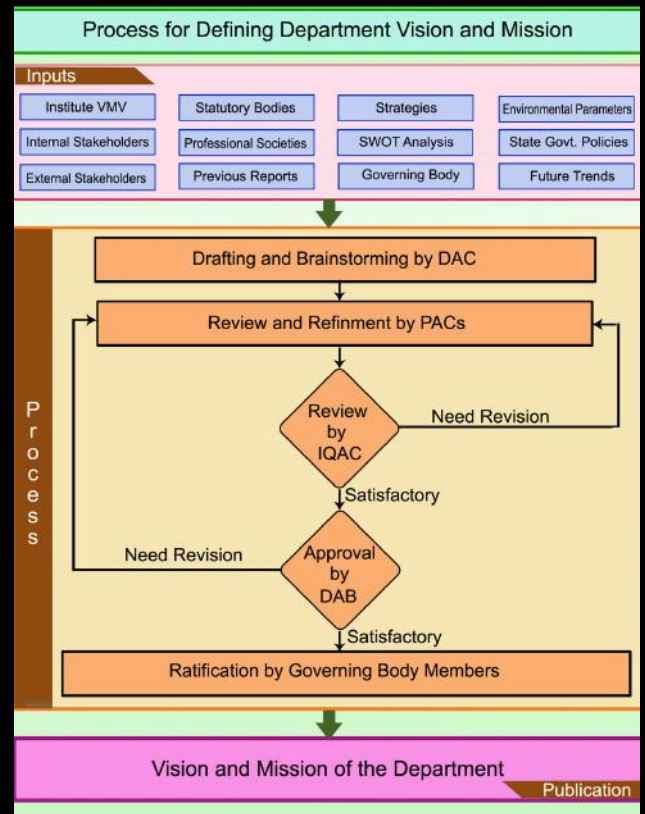
The year 2008 marked the beginning of SVECW's remarkable NBA accreditation journey. In a landmark achievement, the institution secured NBA accreditation for a period of five years (2008–09 to 2012–13) for four of its flagship undergraduate programmes. SVECW was the first private engineering college in Andhra Pradesh to earn this distinction, setting a benchmark for quality and excellence in technical education.

This recognition reflected the institution's strong academic foundation, effective teaching-learning practices, dedicated faculty, and unwavering commitment to continuous improvement.

**Accredited Programmes:**

- B.Tech. - Computer Science & Engineering
- B.Tech. - Electronics & Communication Engineering
- B.Tech. - Electrical & Electronics Engineering
- B.Tech. - Information Technology

The accreditation established a strong quality culture within the institution and laid the foundation for the successful accreditation cycles that followed over the next two decades.



***Distinguished Expert Team***

Expert	Affiliation
<b>Prof. P. V. Vaidyanathan (Chairperson)</b>	Former Vice Chancellor, Annamalai University, Tamil Nadu
<b>Prof. S. Mukherjee</b>	Modi Institute of Science & Technology, Lakshmanagarh, Rajasthan
<b>Prof. M. K. Khedkar</b>	National Institute of Technology (NIT), Nagpur
<b>Prof. C. K. Sarkar</b>	Jadavpur University, Kolkata
<b>Prof. Prithviraj</b>	Pondicherry Engineering College
<b>Prof. O. G. Kakde</b>	National Institute of Technology (NIT), Nagpur
<b>Prof. B. V. R. Reddy</b>	Indraprastha University, New Delhi
<b>Prof. P. K. Das</b>	Jadavpur University, Kolkata

**2015: Strengthening Academic Processes**

Building upon the strong foundation established during the first accreditation cycle, SVECW successfully secured reaccreditation for a period of three years (2015-16 to 2017-18) for its core engineering programmes. This achievement reaffirmed the institution's commitment to quality education, academic excellence, and continuous improvement.

**Reaccredited Programmes**

- B.Tech. - Computer Science & Engineering
- B.Tech. - Electronics & Communication Engineering
- B.Tech. - Electrical & Electronics Engineering

This phase focused on strengthening academic governance, curriculum enrichment, laboratory modernization, and stakeholder involvement.

The expert committee was chaired by Dr. G. P. Prabhu Kumar, supported by distinguished experts from academia and industry.

**2017: Expanding Quality Across Disciplines**

The year 2017 marked another significant milestone in SVECW's NBA journey, as the institution successfully extended accreditation to additional undergraduate and postgraduate programs. This achievement reflected the institution's academic maturity, multidisciplinary growth, and commitment to delivering quality education across diverse engineering domains.

**Accredited Programmes**

**Undergraduate Programmes - Accredited for 3 Years (2017-18 to 2019-20)**

- B.Tech. – Civil Engineering
- B.Tech. – Mechanical Engineering

**Postgraduate Programmes - Accredited for 2 Years (2017-18 to 2018-19)**

- M.Tech. – Computer Science & Engineering
- M.Tech. – Power Electronics
- M.Tech. – VLSI Design

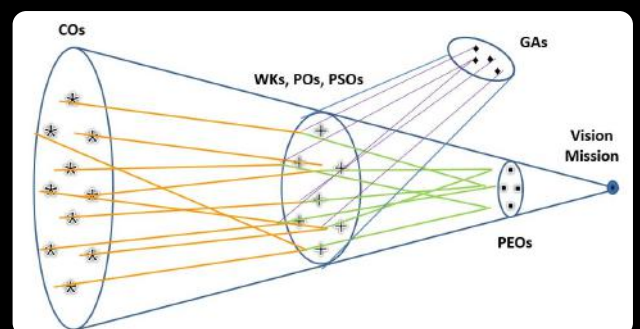
The accreditation of these postgraduate programmes marked a pioneering achievement, as SVECW became the first JNTU Kakinada-affiliated engineering college to secure NBA accreditation for postgraduate programmes. This accomplishment reflected the institution's ability to sustain quality standards across both undergraduate and postgraduate education, further strengthening its reputation as a comprehensive engineering institution committed to academic excellence and continuous improvement.

**Distinguished Expert Team**

The NBA evaluation was led by Dr. B. S. Sohi, Pro-Vice Chancellor, Chandigarh University, and supported by an eminent panel of academicians and subject experts from some of India's premier institutions. The committee comprised:

Expert	Affiliation
Dr. B. S. Sohi (Chairperson)	Pro-Vice Chancellor, Chandigarh University
Dr. Arif Suhail	Former Professor & Head, Zakir Hussain College of Engineering & Technology, Aligarh Muslim University
Dr. Narendra Singh	Former Professor, MMMUT Gorakhpur
Dr. J. Sudhakumar	Professor, NIT Calicut
Prof. K. Palanichamy	Former Professor & Head, NIT Tiruchirappalli
Prof. C. S. Rao	Former Professor, Punjab Engineering College (PEC), Chandigarh
Dr. Manoj Kumar Panda	Govind Ballabh Pant Engineering College, Uttarakhand
Prof. Alok Barua	Professor, IIT Kharagpur
Prof. Mainuddin	Professor & Head, Jamia Millia Islamia, New Delhi
Prof. N. P. Gopalan	Professor, NIT Tiruchirappalli
Dr. Akshay Girdhar	Professor, Guru Nanak Dev Engineering College, Ludhiana

The presence of experts from prestigious institutions such as IIT Kharagpur, NIT Calicut, NIT Tiruchirappalli, Jamia Millia Islamia, Aligarh Muslim University, Punjab Engineering College, MMMUT Gorakhpur, Guru Nanak Dev Engineering College, and Chandigarh University underscored the rigorous evaluation standards applied during the accreditation process and reaffirmed SVECW's commitment to academic excellence and continuous quality improvement.

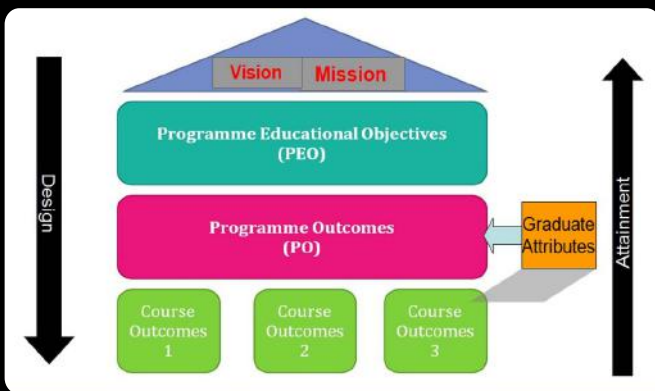


**2019: The Landmark Tier-I Accreditation**

The year 2019 stands as a defining milestone in SVECW's NBA accreditation journey with the achievement of Tier-I Accreditation for a period of three years (2019–20 to 2021–22) for four flagship undergraduate programmes. This prestigious recognition marked the institution's transition to a higher level of academic excellence and reflected the maturity of its academic systems, governance practices, and Outcome-Based Education framework. Notably, SVECW was among the few institutions in Andhra Pradesh to secure Tier-I NBA accreditation, reinforcing its position as a leader in quality technical education and outcome-based learning.

**Accredited Programmes**

- B.Tech. – Computer Science & Engineering
- B.Tech. – Electronics & Communication Engineering
- B.Tech. – Electrical & Electronics Engineering
- B.Tech. – Information Technology



**Why Tier-I Accreditation Matters**

Tier-I accreditation is awarded to autonomous institutions that demonstrate excellence in curriculum design, Outcome-Based Education, academic governance, assessment processes, and continuous quality improvement.

It recognizes an institution's ability to design, implement, evaluate, and continuously enhance its academic programmes in alignment with national and international quality standards.

The successful attainment of Tier-I accreditation reinforced SVECW's position among leading engineering institutions and reflected its commitment to producing competent, innovative, and industry-ready graduates through a robust academic ecosystem.

***Distinguished Expert Team***

The NBA assessment was led by Prof. O. G. Kakde, Director, Indian Institute of Information Technology (IIIT), Nagpur, and Former Director, VJTI Mumbai. The expert committee comprised renowned academicians from premier institutions across the country.

Expert	Affiliation
Prof. O. G. Kakde (Chairperson)	Director, IIIT Nagpur; Former Director, VJTI Mumbai
Prof. Pervez Mustajab	Department of Electronics & Communication Engineering, Aligarh Muslim University
Prof. Ashok Mittal	Department of Electronics Engineering, G.B. Pant Government Engineering College, New Delhi
Dr. Pritam Singh Grover	Emeritus Professor, Department of Computer Science & Engineering, University of Delhi
Dr. Thippeswamy G.	Professor & Dean (Academics), BMS Institute of Technology & Management, Bengaluru
Prof. Rudra Prakash Maheshwari	Former Professor, IIT Roorkee
Prof. D. B. Talange	Professor & TEQIP Coordinator, College of Engineering Pune (COEP)
Prof. V. S. Ananthanarayana	Deputy Director, National Institute of Technology (NIT) Surathkal
Dr. B. S. Bhilare	Former Professor & Head, Devi Ahilya Vishwavidyalaya, Indore

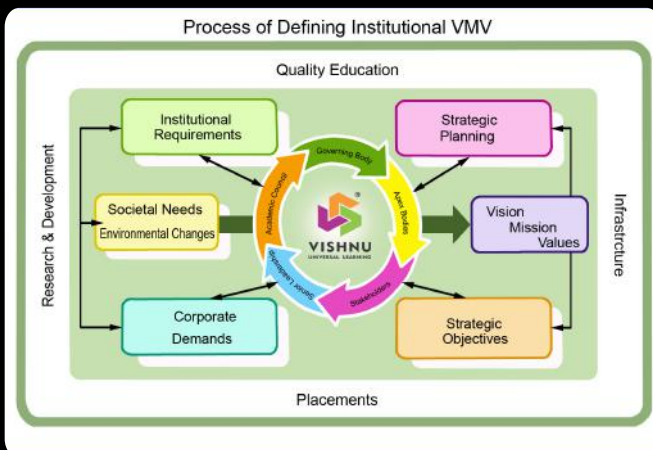
The presence of distinguished experts from IIT Nagpur, University of Delhi, IIT Roorkee, NIT Surathkal, BMS Institute of Technology & Management, College of Engineering Pune, Aligarh Muslim University, G.B. Pant Government Engineering College, and Devi Ahilya Vishwavidyalaya reflected the rigorous evaluation standards adopted by NBA. Their comprehensive assessment validated SVECW's academic autonomy, robust Outcome-Based Education framework, effective curriculum design processes, and strong culture of continuous improvement, ultimately leading to the prestigious Tier-I accreditation status.

**2022: Reaffirming Excellence**

The year 2022 marked another significant achievement in SVECW's NBA journey with the successful reaccreditation of four undergraduate programmes for a period of three years (2022-23 to 2024-25). This accomplishment reaffirmed the institution's sustained commitment to academic excellence, Outcome-Based Education (OBE), and continuous quality improvement.

**Reaccredited Programmes**

- B.Tech. – Computer Science & Engineering
- B.Tech. – Electronics & Communication Engineering
- B.Tech. – Electrical & Electronics Engineering
- B.Tech. – Information Technology

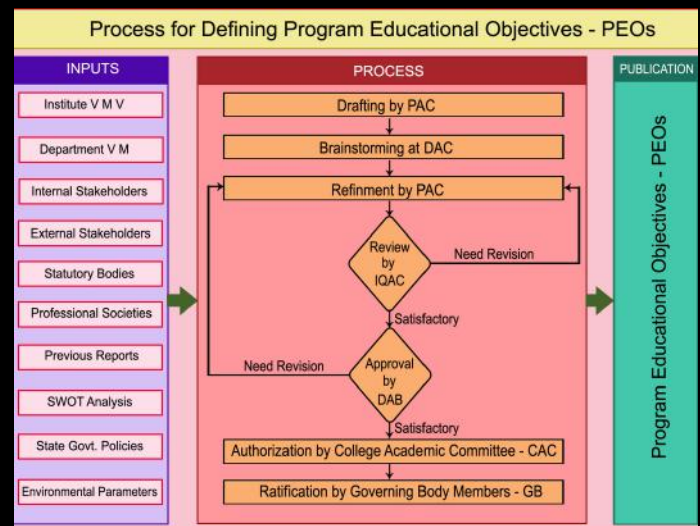


The accreditation was granted for a further period of three years, validating the effectiveness of SVECW's academic processes, curriculum design, student learning outcomes, faculty competence, and continuous improvement practices.

**Distinguished Expert Team**

The NBA evaluation was headed by Dr. Nikhil Ranjan Banerjea, Former Vice Chancellor, Bengal Engineering & Science University, and supported by a panel of eminent academicians from premier institutions across the country.

Expert	Affiliation
Dr. Nikhil Ranjan Banerjea (Chairperson)	Former Vice Chancellor, Bengal Engineering & Science University
Prof. K. Chandrasekaran	Professor, Department of Computer Science & Engineering, NIT Karnataka, Surathkal
Dr. Thippeswamy G.	Professor & Dean (Academics), BMS Institute of Technology & Management, Bengaluru



## Sustaining Quality Through Continuous Improvement

The successful reaccreditation reflected SVECW's strong institutional framework for Outcome-Based Education, systematic assessment and attainment processes, stakeholder-driven curriculum enhancement, and commitment to producing industry-ready graduates. The expert committee's evaluation further validated the institution's quality culture and its dedication to sustaining excellence across teaching, learning, research, innovation, and student development.

### A Testament to Institutional Excellence

The presence of distinguished experts from Bengal Engineering & Science University, NIT Karnataka, and BMS Institute of Technology & Management highlighted the rigorous standards adopted during the accreditation process and reaffirmed SVECW's position as a leading institution committed to delivering quality engineering education.

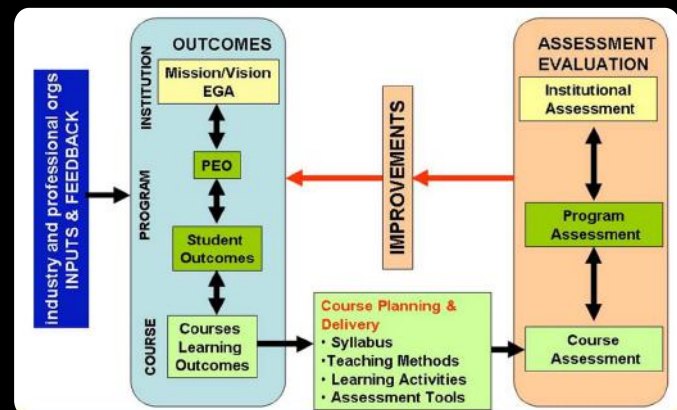
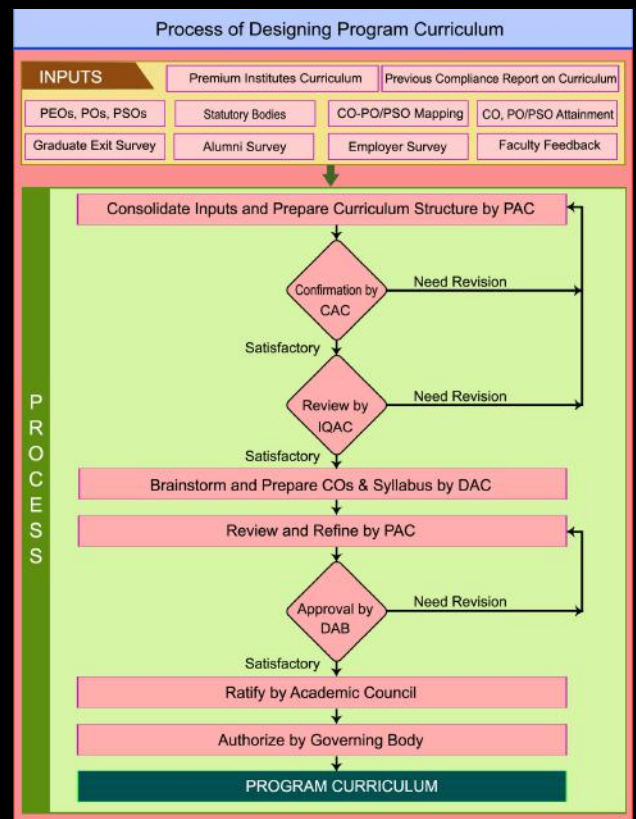
## 2024: A New Milestone for Civil and Mechanical Engineering

The year 2024 marked another significant milestone in SVECW's NBA accreditation journey with the successful achievement of Tier-I accreditation for a period of three years (2024-25 to 2026-27) for the Civil Engineering and Mechanical Engineering programmes. This accomplishment further strengthened the institution's portfolio of accredited programmes and reflected its commitment to extending quality assurance practices across all engineering disciplines.

### Accredited Programmes:

- B.Tech. – Civil Engineering
- B.Tech. – Mechanical Engineering

The accreditation reflected the departments' sustained efforts in implementing Outcome-Based Education (OBE), strengthening industry interaction, enhancing laboratory facilities, and fostering student success through innovative teaching-learning practices.



***Distinguished  
Expert Team***

The NBA evaluation was conducted by a distinguished panel of academicians and subject experts from premier institutions across India under the chairmanship of Prof. Animesh Biswas, Indian Institute of Technology (IIT) Kanpur.

Expert	Affiliation
<b>Prof. Animesh Biswas (Chairperson)</b>	Department of Electrical Engineering, IIT Kanpur
<b>Dr. Sounak Kumar Choudhury</b>	Professor, Department of Mechanical Engineering, IIT Kanpur
<b>Dr. R. S. Kumar</b>	Principal, SRM Easwari Engineering College, Chennai; Anna University Affiliated Institution
<b>Dr. Sandeep Pendhari</b>	Associate Professor, Department of Structural Engineering, Veermata Jijabai Technological Institute (VJTI), Mumbai
<b>Dr. J. Sudhakumar</b>	Professor (HAG) & Dean (Faculty Welfare), Department of Civil Engineering, NIT Calicut

The successful accreditation of Civil and Mechanical Engineering programmes further demonstrated SVECW's institution-wide commitment to excellence, quality assurance, and Outcome-Based Education. This achievement added another milestone to the college's long-standing NBA accreditation journey and reinforced its position as a leading institution for engineering education.

**2025: Accreditation  
Extended Till 2028 –  
Embracing the New  
NBA Framework**

The year 2026 marked another proud milestone in SVECW's pursuit of academic excellence. Under the revised NBA accreditation framework, the institution successfully secured Tier-I accreditation from July 2025 to December 2028 for four flagship undergraduate programmes. This achievement reaffirmed the institution's commitment to OBE, academic quality, student success, stakeholder satisfaction, and continuous improvement.



**Accredited Programmes:**

- B.Tech. – Computer Science & Engineering (CSE)
- B.Tech. – Electronics & Communication Engineering (ECE)
- B.Tech. – Electrical & Electronics Engineering (EEE)
- B.Tech. – Information Technology (IT)

The accreditation, granted up to December 2028, reflects the institution's sustained commitment to OBE, academic quality, stakeholder satisfaction, student success, and continuous improvement

***Distinguished  
Expert Team***

The NBA evaluation was conducted by a highly accomplished panel of academicians and administrators representing some of India's most prestigious institutions. The committee was chaired by Dr. Krishna Gopal, Former Director, National Institute of Technology (NIT), Kurukshetra.

Expert	Affiliation
<b>Dr. Krishna Gopal (Chairman)</b>	Former Director, NIT Kurukshetra
<b>Dr. Ram Mohana Reddy Guddeti</b>	Senior Professor, Department of Information Technology, NIT Karnataka, Surathkal
<b>Dr. K. M. Mehata</b>	Retired Professor, Department of Computer Science & Engineering, Anna University, Chennai
<b>Dr. H. S. Guruprasad</b>	Professor, Department of Computer Science & Engineering, B.M.S. College of Engineering, Bengaluru
<b>Prof. Udai Shanker</b>	Retired Professor, Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur
<b>Dr. C. Lakshminarayana</b>	Professor, Department of Electrical Engineering & Controller of Examinations, B.M.S. College of Engineering, Bengaluru
<b>Prof. Yusuf Uzzaman Khan</b>	Head, Department of Electrical Engineering, Aligarh Muslim University, Aligarh
<b>Prof. Sudhir Agashe</b>	Former Professor, Department of Electronics & Telecommunication Engineering, College of Engineering Pune (COEP)
<b>Dr. Pramod Kumar</b>	Professor, Department of Electronics & Communication Engineering, Madhav Institute of Technology & Science (MITS), Gwalior



The successful accreditation under the new NBA framework is a testament to SVECW's mature academic systems, robust OBE implementation, effective assessment mechanisms, and unwavering focus on quality enhancement. It further strengthens the institution's reputation as a center of excellence dedicated to empowering women through transformative engineering education.

**With accreditation extended up to December 2028, SVECW continues its journey of excellence, innovation, and continuous quality improvement, preparing future-ready engineers capable of making meaningful contributions to society and industry.**

**Institutional Strengths Recognized by the NBA Expert Team**

During the 2026 NBA evaluation, the expert committee acknowledged several institutional strengths and best practices that collectively reflect SVECW's commitment to academic excellence, quality assurance, and continuous improvement. The observations highlighted the institution's robust academic ecosystem, student-centric learning environment, and sustained focus on outcome-based education.

## Key Institutional Strengths

- Well-defined Vision, Mission, Programme Outcomes, and academic processes aligned with Outcome-Based Education principles.
- Strong student performance reflected through excellent enrolment, student success rates, progression, and placement outcomes.
- Qualified, experienced, and committed faculty members supported by healthy student-faculty and cadre ratios.
- Strong faculty retention contributing to academic continuity, mentoring, and institutional growth.
- Well-equipped laboratories, modern infrastructure, and adequate programme-specific facilities that support effective teaching-learning processes.
- Availability of interdisciplinary learning facilities, including specialized laboratories and innovation ecosystems that promote experiential learning and research.
- Adequate technical and administrative support systems ensuring smooth academic and laboratory operations.
- Well-maintained academic records, systematic documentation, and effective quality assurance practices.
- Strong industry engagement through curriculum enrichment, expert interactions, internships, and professional collaborations.
- Positive academic ambience characterized by strong faculty-student rapport, a supportive learning environment, and a culture of continuous improvement.
- Excellent teamwork, professionalism, and coordinated efforts demonstrated by faculty and staff during the accreditation process.

The observations made by the NBA Expert Committee reaffirm SVECW's position as a leading institution committed to academic excellence, innovation, student success, and institutional quality. The strengths recognized across the accredited programmes reflect the institution's ability to create a vibrant learning ecosystem that nurtures competent professionals, innovative thinkers, ethical leaders, and responsible citizens prepared to contribute meaningfully to society and industry.

### A CULTURE OF CONTINUOUS IMPROVEMENT

NBA accreditation is not viewed as a destination at SVECW, it is a continuous journey.

The institution constantly reviews:

- Curriculum effectiveness
- Course outcomes
- Program outcomes
- Graduate attributes
- Stakeholder feedback
- Placement trends
- Industry expectations

and incorporates necessary improvements to enhance student learning experiences and professional readiness.



**LOOKING AHEAD**

As SVECW moves forward, the institution remains committed to:

- Strengthening industry collaborations
- Enhancing research and consultancy
- Promoting innovation and entrepreneurship
- Expanding global partnerships
- Advancing Outcome-Based Education practices
- Producing socially responsible engineering professionals

With NBA accreditation extending up to 2028 for key programs and a strong culture of academic excellence, SVECW continues its journey toward becoming a globally recognized center of engineering education for women.



**SVECW NBA EXCELLENCE AT A GLANCE**

**2008 - 09 to 2012-13**

**First NBA Accreditation – UG Programs : CSE, ECE, EEE & IT**

**2015 – 16 to 2017-18**

**Reaccreditation – UG Programs : CSE, ECE & EEE**

**2017 – 18 to 2019-20**

**Accreditation of UG Programs : Civil & Mechanical**

**2017-18 to 2018-19**

**Accreditation of PG Programs : CSE, VLSI Design & Power Electronics**

**2019 – 20 to 2021-22**

**Tier-I Accreditation Achieved – UG Programs : CSE, ECE, EEE & IT**

**2022-23 to 2024-25**

**Successful Reaccreditation – UG Programs : CSE, ECE, EEE & IT**

**2024-25 to 2026-27**

**CE & ME Accredited under Tier-I**

**July 2025 to Dec 2028**

**Tier-I New Format Accreditation Achieved – CSE, ECE, EEE & IT**



## NBA Excellence at a Glance

- NBA Accredited since 2008
- Multiple Successful Accreditation Cycles
- Tier-I Accredited Programmes
- Accreditation under New NBA Framework
- Distinguished Evaluators from IITs, NITs and Leading Universities
- Strong Outcome-Based Education Practices
- Accreditation Valid up to December 2028

Nearly Two Decades of Quality Assurance

Thousands of Successful Women Engineers

"NBA Accreditation at SVECW is not merely a recognition of quality—it is a reflection of our enduring commitment to academic excellence, innovation, societal impact, and the empowerment of women through engineering education."



# INTERNSHIP



Ms. D. Archana 24B01A0533  
CSE  
1.10 LPM



Ms. G. G. Lalitha Sriya 24B01A0539  
CSE  
1.10 LPM



Ms. J. Mounika 24B01A0543  
CSE  
1.10 LPM



Ms. K. Sirivalli 24B01A0550  
CSE  
1.10 LPM



Ms. K. Bhavya Sri Lakshmi 24B01A0557  
CSE  
1.10 LPM



Ms. K. N. Sarvani 24B01A0577  
CSE  
1.10 LPM



Ms. P.L. Prasanna 24B01A05B7  
CSE  
1.10 LPM



Ms. P. Likhitha 24B01A05C2  
CSE  
1.10 LPM



Ms. P. Manojna 24B01A05C5  
CSE  
1.10 LPM



Ms. P. Pravallika 24B01A05D4  
CSE  
1.10 LPM



Ms. R. Aswini 24B01A05E8  
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1.10 LPM



Ms. V. Ravi chandrika 24B01A05I6  
CSE  
1.10 LPM



Ms. B. Akshaya Sri  
24B01A0519  
CSE  
1.10 LPM



Ms. D. Rishitha  
24B01A0527  
CSE  
1.10 LPM



Ms. D. Divya  
24B01A0531  
CSE  
1.10 LPM



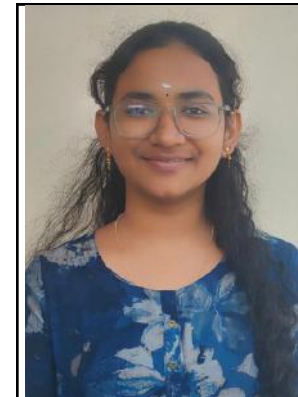
Ms. D. P. S. Akshaya Sri  
24B01A0532  
CSE  
1.10 LPM



Ms. K. Anusha  
24B05A0510  
CSE  
1.10 LPM



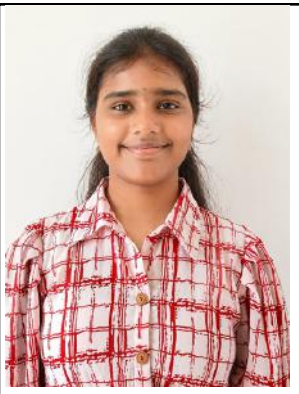
Ms. Ch. Yasaswini  
23B01A0533  
CSE  
70 KPM



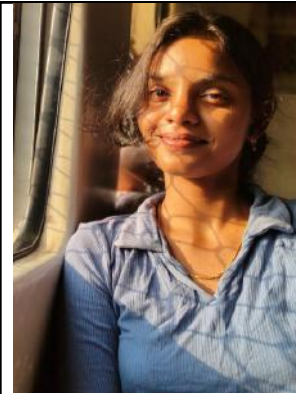
Ms. S. Kushalya  
22B01A05H0  
CSE  
50 KPM



Ms. M. Pranavi sri  
23B05A0511  
CSE  
45 KPM



Ms. M. Akshaya  
24B01A4275  
AIML  
35 KPM



Ms. A. Moulika  
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AIML  
35 KPM



Ms. K. Tejaswi  
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Ms. V. K. Krishna Sri  
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35 KPM



Ms. A. Mouli Subha  
24B01A4503  
AI & DS  
35 KPM



Ms. A. B. Sri Puja  
24B01A4505  
AI & DS  
35 KPM



Ms. Ch. Hema  
24B01A4524  
AI & DS  
35 KPM



Ms. Ch. Tejaswini  
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AIML  
35 KPM



Ms. O. N. V.  
Harsha  
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AI & DS  
35 KPM



Ms. A.Teja  
Anvitha  
24B01A4502  
AI & DS  
35 KPM



Ms. A. Tejaswini  
24B01A4203  
AIML  
35 KPM



Ms. Y. sushma  
Chowdary  
24B01A4664  
CSE Cyber  
35 KPM



Ms. T. S. Lakshmi  
24B01A42A8  
AIML  
35 KPM



Ms. M. Sujitha  
23B01A4636  
CSE Cyber  
30 KPM



Ms. Ch. Divya  
Surya Teja Sri  
23B01A0208  
EEE  
30KPM



Ms. M. Pooja  
Satya Sri  
23B01A4564  
AI & DS  
30 KPM



Ms. A. Harshitha  
23B01A0503  
CSE  
30 KPM



Ms. G. sri  
Lakshmi  
23B01A0560  
CSE  
30 KPM



Ms. G. Lavanya  
24B01A4539  
AI & DS  
30 KPM



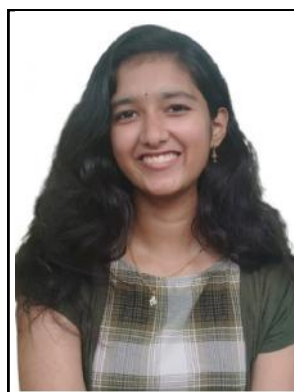
Ms. K. Sai Sruthi  
23B01A4556  
AI & DS  
30 KPM



Ms. Marisetti  
Durga Manga  
24B05A0211  
EEE  
17.5KPM



Ms. Arvinda. N  
23B01A4585  
AI & DS  
17.5 KPM



Ms. Sowkhya  
23B01A4211  
AIML  
16.6 KPM



Ms. N.Neha  
24B01A4589  
AI & DS  
16.6 KPM



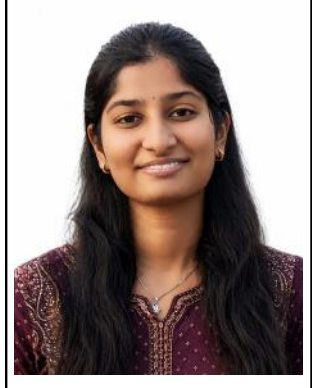
Ms. B. Devi  
Lakshmi Priya  
23B01A420  
AIML  
16.6 KPM



Ms. Y. Naga Sri  
23B01A45D2  
AI & DS  
16.6 KPM



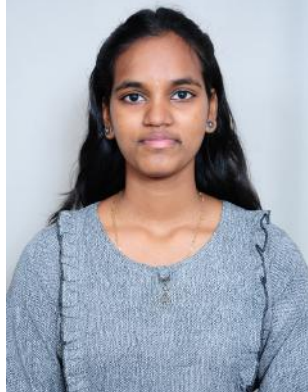
Ms. Deepanshu  
23B01A4208  
AIML  
16.6 KPM



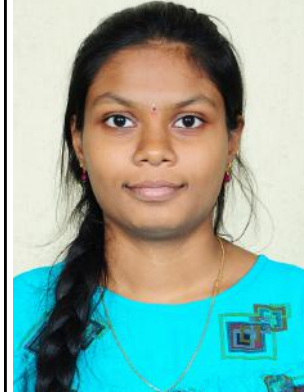
Ms. Veda  
23B01A4274  
AIML  
16 KPM



Ms. M. Pushpa  
Sri Satyanjali  
22B01A0237  
EEE  
16 KPM



Ms. Ravi Keerthi  
Priya  
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EEE  
16 KPM



Ms. P. Satya Sri  
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EEE  
16 KPM



Ms. Polisetty Siri  
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EEE  
14 KPM



Ms. Polinati Sirija  
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# Congratulations

# PLACEMENTS

## SAGA



**D N S V S N Deekhitha**  
22B01A1236, IT  
12 LPA



**Bondada Pavan Srija**  
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22B01A12A5, IT  
7.8 LPA



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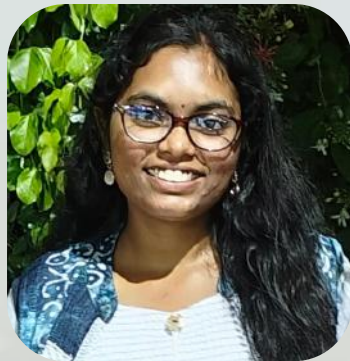
**Jangala Navya Sri**  
22B01A1255, IT  
7.8 LPA



**Ch Neha Sreenidhi**  
22B01A0526, CSE  
7.09 LPA



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7.09 LPA



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**M Sireesha**  
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22B01A0112, CE  
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**P Naga Lakshmi**  
22B01A0137, CE  
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**M Pujitha**  
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7 LPA



**Mandava Suchitha**  
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5.2 LPA



**Bala Charmi**  
22B01A0305, ME  
4.2 LPA



**Kella Navya Chakrini**  
22B01A0325, ME  
4.2 LPA



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4.2 LPA



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22B01A0223, EEE  
4 LPA



**K Lakshmi Sravani**  
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4 LPA



**Sunkara Eswari**  
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**A Gnana Sruthika**  
22B01A0302, ME  
4 LPA



**Bomma Vaishnavi**  
22B01A0307, ME  
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**K Gayathri**  
22B01A0331, ME  
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**P D N Maniswari**  
22B01A0342, ME  
4 LPA



**P L V Atchuta Manjari**  
22B01A0344, ME  
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**T Manisha**  
22B01A0350, ME  
4 LPA



**Velivala Anusha**  
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4 LPA



**T Harshitha Bhargavi**  
22B01A05H3, CSE  
4 LPA



**B Jublee Sri jyothi**  
22B01A0524, CSE  
3.5 LPA



**K A S Vaishnavi**  
22B01A0568, CSE  
3.5 LPA



**Md. Ashriya**  
23B05A0510, CSE  
3.5 LPA



**K Suhitha**  
22B01A0576, CSE  
3.5 LPA



**M V Gayathri**  
22B01A05C1, CSE  
3.5 LPA



**M Harshitha**  
22B01A05C2, CSE  
3.5 LPA



**P Mydhili**  
22B01A05E3, CSE  
3.5 LPA



**D Ishwarya**  
22B01A0533, CSE  
3.46 LPA



**G Manohari**  
22B01A0430, ECE  
3.4 LPA



**P S Thulani**  
22B01A4584, AI  
3.4 LPA



**H Meenakshi**  
23B05A0102, CE  
3.09 LPA



**S S V S Jahnvi**  
22B01A0464, ECE  
3 LPA



**G Srujana**  
22B01A0429, ECE  
3 LPA



**Ch Amulya**  
22B01A4237, AI  
3 LPA



**A Bhavya Sri**  
22B01A4209, AI  
3 LPA



**K Tejaswini**  
22B01A4252, AI  
3 LPA



**V Priya Nandini**  
22B01A45B3, AI  
3 LPA



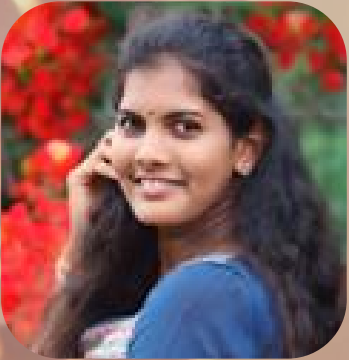
**V Pujitha**  
22B01A0144, CE  
2.5 LPA



**N Y D Rajya Lakshmi**  
23B05A0108, CE  
2.5 LPA



**P. Leela Valli**  
22B01A0132, CE  
2.44 LPA



**G D Sowjanya**  
22B01A0115, CE  
2.44 LPA



**T Pravallika**  
22B01A0142, CE  
2.44 LPA



**S V Varshini**  
22B01A0139, CE  
1.44 LPA



# FACULTY ACHIEVEMENTS

*Congratulations*

*on receiving your  
Doctoral degree*



Dr. K. Hari Krishna. Working as Assistant Professor in ECE Department has obtained his Ph.D. with a focus on “VLSI Design”.

**Title of the Research work:** “Design and verification of EEG based Data encryption algorithms on FPGA & ASIC for IoT applications”

**Supervisor Name:** Dr. V. Sudha, Associate Professor, NIT Tiruchirappalli.

**University:** NIT TIRUCHIRAPPALLI.

**Month & Year of awarding PhD :** February 2026.



Dr.S.Venkata Rao, Assistant Professor in the Department of Artificial Intelligence, has obtained his Ph.D. with a focus on “A Fuzzy Centrality Framework for Influence Detection in Collaboration Networks”.

**Title of the Research work:** “A Fuzzy Centrality Framework for Influence Detection in Collaboration Networks”.

**Supervisor Name:** Prof B. Prajna, HoD & Asst. Principal

**University:** Andhra University, Visakhapatnam

**Month & Year of awarding PhD :** February 2026.

# Congratulations



## on receiving your Doctoral degree

Dr. JOEL MATHEWS working as Assistant Professor in Mathematics Department has obtained his Ph.D. with a focus on “FLUID DYNAMICS”.

**Title of the Research work:** “Unsteady magnetohydrodynamic free convection and heat transfer flow of a water-based nanofluid over a porous stretching surface”

**Supervisor Name:** Dr. T. Hymavathi, Krishna University

**University:** Krishna University, Machilipatnam.

**Month & Year of awarding PhD :** April 2026.



Dr. M. Satyanarayana Reddy Working as Assistant Professor in CSE Department has obtained his Ph.D. with a focus on Video Streaming through Heterogeneous Networks.

**Title of the Research work:** “Approaches for Handling Issues in Heterogeneous Networks” .

**Supervisor Name:** Dr. P.Chenna Reddy, Senior Professor & Principal, JNTU Anantapur

**University:** JNTU Anantapur.

**Month & Year of awarding PhD :** April 2026.

**PATENTS**

**Dr. J. Rohith Balaji** of EEE department has been granted an Indian patent for the invention titled “Dental Dispenser for Contactless Dispensing of an Articulating Paper”.

**Patent Application Number: 589254**

**Date of Publication: 13 May 2026**



**Dr.S.Ravi Kumar** of IT department has published an utility patent titled “AI-Driven Satellite Image Framework for Regional Poverty Assessment and Socioeconomic Mapping”.

**Patent Application Number: 202641060296**

**Date of Publication: 22 May 2026**

**Dr.D.V.Naga Raju** of IT department has published an utility patent titled “Image-Based Fashion Product Recommendation System employing Residual Neural Networks and Nearest Neighbour Feature Matching for Personalized E-Commerce Discovery”.

**Patent Application Number: 202641060050**

**Date of Publication: 22 May 2026**



**Dr.S.Ravi Kumar, Dr.G.Ratnakanth & Dr.D.V.Naga Raju** of IT department has published an utility patent titled “An Adaptive Machine Learning Framework for Early Detection and Mitigation of DDoS Attacks in Cloud Networks”.

**Patent Application Number: 202641059768**

**Date of Publication: 22 May 2026**



**Dr.S.Ravi Kumar, Dr.D.V.Naga Raju & Dr.G.Ratnakanth** of IT department has published an utility patent titled “A Machine Learning-Based Predictive System for Early Disease Diagnosis Using Multi-Modal Healthcare Data”.

**Patent Application Number: 202641060052**

**Date of Publication: 22 May 2026**



**PATENTS**



**Dr.S.Ravi Kumar, Dr.D.V.Naga Raju & Dr.G.Ratnakanth of IT department has published an utility patent titled “A Real-Time Distributed Denial-of-Service Attack Detection System Using Deep Learning-Based Traffic Analysis”.**  
**Patent Application Number: 202641059765**  
**Date of Publication: 22 May 2026**



**DVH Venu Kumar, Assistant Professor, Department of AI, filed a patent titled “A Region-Specific Percentile-Based Epidemiological Risk Stratification System for Disease Outbreak Prediction”.**  
**Patent Application Number: 202641059130A**  
**Date of Publication: May 2026**

**Dr. S.Venkata Rao, Assistant Professor, Department of AI, filed a patent titled “System and Method for Predicting Drug-Target Interactions Using Machine Learning on Molecular and Protein Descriptors”**  
**Patent Application Number: 202641059133A**  
**Date of Publication: May 2026**



**Mrs.R.Sarada, Assistant Professor, P.Archana, Assistant Professor, Department of AI, filed a patent titled “Skin Disease Prediction”**  
**Patent Application Number: 202641017454**  
**Date of Publication: March 2026**

**Dr.P.Kiran Sree of CSE Department Published a Granted Utility Patent with the title of Invention as “A System and Apparatus for AI-Based Multifunction Mixer Grinder with Automatic Soaking and Food Ingredient Preparation Technology”.**  
**Patent Application Number: 202341065950**  
**Date of filing: 30/09//2023**  
**Date of Grant: 25/3/2026**  
**Patent term:20 Yrs**



# PUBLICATIONS

M. V. Srikanth and SSSR Sarathbabu Duvvuri of EEE department published a paper titled "A Model-Assisted Reduced-Order Active Disturbance Rejection Controller for Non-Minimum Phase and Unstable Systems," in 2026 International Conference on Electric Power and Renewable Energy (EPREC), Durg, India, 2026, pp. 1-4



B. Mahendra Chand of EEE department published a paper titled "An Enhanced High-Gain Cubic Step-Up DC-DC Converter with Low Voltage Stress and Continuous Input Current for DC Microgrid Applications," in IEEE Access, vol. 14, pp. 58771-58783, 2026

Mrs.M.Suma Bharathi, Mrs.B.Vimala Victoria of IT department published a paper titled "A Novel Emotion-Aware Generative Adversarial Network for Fine-Grained and Controllable Speech Synthesis" at the International Conference on Intelligent Computing and Control Systems (ICICCS 2026) organized by Nandha Engineering College, Erode, India on March 16-18, 2026



Dr.R.N.D.S.S.Kiran, Dr.S.Ravi Chandra of IT department published a paper titled "Empirical Study of Boosting Methods with Optuna Optimization for Water Quality Classification and Prediction" at 2026 International Conference on Computing, Electronics & Communications Engineering (ICCECE), IEEE, DOI: 10.1109/ICCECE69715.2026.11492845 organized by NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA on 30.04.2026.

Dr.S.Ravi Kumar of IT department published a paper titled " Hyperbolic Contextualized Eurasian Lynx Graph Convolutional Neural Networks for Robust Multi-Class Tomato Foliar Pathogen Detection " in the AICTE Sponsored 2nd International Conference on Advanced and Global Engineering Challenges (ICAGEC-2K26) organized by Aditya University, Surampalem during 8<sup>th</sup> -9<sup>th</sup> May 2026.





Dr.S.Ravi Kumar of IT department published a paper titled "Quantum-Potter Attention Framework for Proactive Prediction of COPD Exacerbation Using Multi Self-Guided Stream Architecture" in the AICTE Sponsored 2nd International Conference on Advanced and Global Engineering Challenges (ICAGEC-2K26) organized by Aditya University, Surampalem during 8<sup>th</sup> -9<sup>th</sup> May 2026.

Dr.R.N.D.S.S.Kiran of IT department published a paper titled "Leveraging Machine Learning Techniques for Pond Water Quality Prediction" at the 3rd International Conference on "Recent Advancements in Communication, Computing and Artificial Intelligence (RACCAI 2026) organized by CCE,CGC University Mohali held from 21<sup>st</sup> -22<sup>nd</sup> May 2026.



Dr.R.N.D.S.S.Kiran, Dr D V Naga Raju of IT department published a paper titled "Data Driven Water Quality Assessment using Machine Learning and Synthetic Data Generation", Scientific Reports, Q1, SCOPUS, ESCI. <https://doi.org/10.1038/s41598-026-54560-7>

Mr. U.D.S.Prathap varma of Mechanical Engineering department published a paper titled "Energy and Exergy (2E) analysis of organic flash cycle with waste heat recovery" Heat Transfer , DOI: <https://doi.org/10.1002/htj.70233>



Dr. Ch. Hari Krishna, Head of the department, Mechanical Engineering published a research article titled "Enhancing Fatigue Life of SS316L via Shot Peening and Machine Learning" in the journal Surface Engineering (2026), Volume 41, Issues 8-9, Pages 964-974. DOI: 10.1177/02670844251365915.

Dr. Javvadi Eswara Manikanta of Mechanical Engineering department published a review paper titled "Cryogenic Cooling in Sustainable Machining: Current Status and Future Outlook" in the Journal of Engineering and Applied Science, Volume 73, Article 178 (2026). DOI: <https://doi.org/10.1186/s44147-026-01039-x>.



Dr. Javvadi Eswara Manikanta of Mechanical Engineering department published a review paper titled "Toward Sustainable Machining: A Comprehensive Review of Surface Modification Techniques for Cutting Tools" in the AUT Journal of Mechanical Engineering, Volume 10, Issue 2, pp. 139-152 (2026). DOI: <https://doi.org/10.22060/ajme.2025.24320.6191>.



Mr. Srinivasa Rao Nidamanuri of Mechanical Engineering department published a research article titled “ Experimental investigation of thermal and energy performance of a frost-free refrigerator using conventional and adaptive defrost methods. In the Science and Technology for the Built Environment, pp.1-15, April 2026, <https://doi.org/10.1080/23744731.2026.2651625>.

Dr. Asnit Gangwar of Mechanical Engineering department published a research article titled “Insights from Synthesis to Performance of Polyaniline/MWCNT/ZnO/NiO Nanocomposite for Hybrid Supercapacitors” in Batteries & Supercaps, Volume 9 (2026), Article e202500877. DOI: <https://doi.org/10.1002/batt.202500877>.



Dr. Asnit Gangwar of Mechanical Engineering department published a research article titled “Rational Design of PANI-Decorated MWCNT/NiCoFeO<sub>4</sub> Nanoarchitectures for High-Performance Hybrid Supercapacitors” in Diamond and Related Materials, Volume 164 (2026), Article 113516. DOI: <https://doi.org/10.1016/j.diamond.2026.113516>.

Dr. Asnit Gangwar of the Mechanical Engineering department published a book chapter titled “Next-Generation Microfluidics for Sustainable Detection Systems” in Sustainable Analytical Chemistry, pp. 435-480 (2026). DOI: <https://doi.org/10.1002/9781394333363.ch15>.



Dr. Asnit Gangwar of Mechanical Engineering department published a research article titled “Controlled Ni Substitution in Co<sub>3</sub>O<sub>4</sub> Spinel: Tailoring Lattice and Redox for Superior Supercapacitors” in the Journal of Inorganic and Organometallic Polymers and Materials (2026). DOI: <https://doi.org/10.1007/s10904-026-04347-0>.

Dr. Asnit Gangwar of Mechanical Engineering department published a research article titled “Engineering a PANI/MWCNT/V<sub>2</sub>O<sub>5</sub> Ternary Composite for Hybrid Supercapacitors” in ACS Applied Polymer Materials, Volume 7 (2026), pp. 360-390. DOI: <https://doi.org/10.1021/acsapm.6c01097>.



Dr. N. Raja sekhar of Mechanical Engineering department published an article titled “Formability of AA6061- AA2017 dissimilar FSW joints: effects of weld passes, material positioning, and post-weld shot peening” in engineering research express, Volume 8, number 1. 015523.(2026) DOI 10.1088/2631-8695/ae32e2.

Dr. N. Raja sekhar of Mechanical Engineering department published an article titled "Investigation of Metallurgical and Mechanical Behaviors of AA6061-AA2017 Joints Produced by Single- and Double-Pass Friction Stir Welding: Influence of Base Material Position and Post-Weld Shot Peening Technique," SAE Int. J. Mater. Manf. 19(4), 2026, <https://doi.org/10.4271/05-19-04-0026>.



Dr. N. Raja sekhar of Mechanical Engineering department published a review article titled "Effect of primary and secondary parameters of friction stir welding on blank properties: a review" in engineering research express, Volume 8, number 10. 102501(2026). DOI 10.1088/2631-8695/ae63a8

Dr. K. Benarji of Mechanical Engineering department published a research article titled "Microstructure and Fatigue Characteristics of AA6061-T6 Joints with Interlayer and Cooling-Assisted Friction Stir Welding" in Welding International (2026). DOI: <https://doi.org/10.1080/09507116.2026.2644269>.



Dr. G. Challa Ram of ECE Department published a paper titled "VO<sub>2</sub>/jls-end-space/-graphene hybrid meta surface for switchable ultra-wideband/tunable dual-broadband absorption with thermal and electrical control in THz regime", Diamond and Related Materials, vol. 165, Art. no. 113668, 2026, doi: <https://doi.org/10.1016/j.diamond.2026.113668>.

Dr. Ratikanta Sahoo of ECE Department published a paper titled "Deep learning-based automated detection of diabetic retinopathy for early diagnosis", Franklin Open, vol. 15, Art. no. 100610, 2026, doi: <https://doi.org/10.1016/j.fraope.2026.100610>.



Dr. G. Challa Ram of ECE Department published a paper titled "Design and Experimental Analysis of UCA Antennas for Enhanced SWIPT Using OAM Modes," in IEEE Journal on Miniaturization for Air and Space Systems, vol. 7, no. 1, pp. 3-9, March 2026, doi: 10.1109/JMASS.2025.3626122.

Mr. K. Murthy Raju of ECE Department published a paper titled "An artificial intelligence driven morph wavelet for speech signal denoising in healthcare diagnostics, Engineering Applications of Artificial Intelligence Volume 171, 1 May 2026, 114138.





Dr.G. Challa Ram of ECE Department published a paper titled “Multimode OAM antenna with reduced beam divergence for 6G networks”. Sci Rep 16, 8382 (2026). <https://doi.org/10.1038/s41598-025-34745-2>

Dr.K.Padma Vasavi Head of ECE Department published a paper titled "Automated multi-class ECG arrhythmia detection using VMD and multi-task optimization", Scientific Reports, vol. 16, no. 1, Art. no. 15435, 2026, doi: <https://doi.org/10.1038/s41598-026-44103-5>.



Dr. D.Murali Krishna of ECE Department published a paper titled "Intelligent Autonomous Decision-Making System Using Hybrid AI Techniques for Real-Time Data Processing and Optimization", 6th Biennial International Conference on Nascent Technologies in Engineering, ICNTE 2026, 2026, doi: <https://doi.org/10.1109/ICNTE66387.2026.11437514>.

Dr. M.V.Subbarao, Dr.D.Ramesh Varma, Dr. D.Girish Kumar of ECE Department published a paper titled "A Dataset-Centric Analysis of Traffic Congestion Prediction in Vehicular Ad Hoc Networks", Proceedings of 4th International Conference on Electronics and Renewable Systems, ICEARS 2026, pp. 706–711, 2026, doi: <https://doi.org/10.1109/ICEARS67481.2026.1141653>.



Dr.D.Ramesh Varma, Dr. M.V.Subbarao, Dr.G. Challa Ram, Dr. D.Girish Kumar of ECE Department published a paper titled "Design of Metamaterial based Resonant Cavity Antenna for Radar Systems", Proceedings of 4th International Conference on Electronics and Renewable Systems, ICEARS 2026, pp. 676–682, 2026.

Dr.D.Ramesh Varma, Dr.K.Padma Vasavi, Dr. M.V.Subbarao, Dr.G. Challa Ram of ECE Department published a paper titled "Compact UWB Textile Antenna with Multi-Phase Evolution from Single to Dual Designs", Proceedings of 4th International Conference on Electronics and Renewable Systems, ICEARS 2026, pp. 655–660, 2026, doi: <https://doi.org/10.1109/ICEARS67481.2026.11416781>.





Dr.G. Challa Ram, Dr.K.Padma Vasavi of ECE Department published a paper titled "Design of a Power-Efficient Reconfigurable Approximate Multiplier for Imaging Applications", Proceedings of 4th International Conference on Electronics and Renewable Systems, ICEARS 2026, pp. 842–847, 2026.

Mr.K.Murthy Raju of ECE Department published a paper titled "Improving Patient Outcomes in Emergencies Through Advanced Identification and Notification Systems", 2026 9th International Conference on Electronics, Materials Engineering and Nano-Technology, IEMENTech 2026, 2026, doi: <https://doi.org/10.1109/IEMENTech202669403.2026.11434311>.



Dr.M.Prema Kumar, Dr.M.V.Subbarao of ECE Department published a paper titled "Deep Learning-based Comparative Analysis of CNN Models for Skin Cancer Diagnosis", Proceedings of the 2026 International Conference on AI-Driven Smart Systems and Ubiquitous Computing, ICAUC 2026, pp. 1627–1632, 2026, doi: <https://doi.org/10.1109/ICAUC68182.2026.11440937>.

Mr.K.Murthy Raju of ECE Department published a paper titled "Enhancing Efficiency Through Propagation-Aware Adaptive Spectrum Analysis for Next-Generation Wireless Networks", 2026 International Conference on Signal Analysis for Smart Systems, SIGNASS 2026, doi: <https://doi.org/10.1109/SIGNASS67826.2026.11479900>



Dr.D.Ramesh Varma, Dr. M.V.Subbarao of ECE Department published a paper titled "Effect of Ground Plane Variation and Defected Ground Structures on the Multiband Response of a Fork-Shaped Microstrip Antenna", Proceedings of 6th International Conference on Expert Clouds and Applications, ICOECA 2026, pp. 44–49, 2026, doi: <https://doi.org/10.1109/ICOECA68095.2026.11485242>.

Dr. C P Pavan Kumar Hota, Assistant Professor, Dr. P Vinod Babu, Assistant Professor, Department of AI published a paper titled Intelligent Automation in Equity Research: A LangChain–FAISS–LLM Framework for Financial News Understanding and Insight Generation in IEEE and scopus Indexed in April 2026. (doi: [10.1109/ICASST68917.2026.11484079](https://doi.org/10.1109/ICASST68917.2026.11484079).)





Dr. C P Pavan Kumar Hota, Assistant Professor, Dr. P Vinod Babu, Assistant Professor, DVH Venu kumar, Assistant Professor, Department of AI with a paper titled **Uncovering Key Cognitive Traits for Placement Success: A Multi-Dimensional Data Mining Approach** indexed in May 2026. (<https://ieeexplore.ieee.org/document/11382563>)

Dr. A. Sri Krishna, Professor Department of Artificial Intelligence, published a research paper titled **“Adaptive Curriculum Learning for Efficient Domain-Specific Fine-Tuning with Parameter-Efficient Strategies in LLMs”** in the Q3 Scopus-indexed journal **Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications**.(doi: 10.58346/JOWUA.2026.I1.048.)



Dr. C P Pavan Kumar Hota, Assistant Professor, Dr. P Vinod Babu, Assistant Professor,, Department of AI published a paper titled **Intelligent Automation in Equity Research: A LangChain-FAISS-LLM Framework for Financial News Understanding and Insight Generation** indexed in May 2026.(doi: 10.1109/ICASST68917.2026.11484079)

Dr.P.Sricharani, Professor, Department of AI, with paper titled **"A UNIFIED COMPUTATIONAL MODEL FOR LLM-MULTIMODAL FUSION IN AUTOMATED CAREER ASSESSMENT "** published in **Journal** and indexed in May 2026.(<https://doi.org/10.26782/jmcms.2026.04.00012>)



Dr. C P Pavan Kumar Hota, Assistant Professor, Dr. P Vinod Babu, Assistant Professor,, Department of AI published a paper titled **“An Intelligent Career Guidance Framework Integrating Multiple Intelligences Theory and Ensemble Learning”** in May 2026. (doi: 10.1109/ICKECS70176.2026.11527855)

Mrs.S.Anusha, Assistant Professor, Dr. C P Pavan Kumar Hota, Assistant Professor, Dr. P Vinod Babu, Assistant Professor, G.Kalyani, Assistant Professor, Department of AI published a paper titled **“Trustworthy AI for Truth Discovery: An Interpretable SHAP-SVM Framework for Fake News Classification”** in **IEEE** in May 2026. (doi: 10.1109/ICSFT66733.2026.11507028.)





Dr. C P Pavan Kumar Hota, Assistant Professor, Department of AI published a paper titled IoT-Integrated SCNN-OA Framework for Real-Time Water Quality Prediction and was scopus indexed in March 2026.(doi: 10.1109/ICSCN67106.2025.11308625.)

Dr. P Vinod Babu, Assistant Professor, Department of AI published a paper titled Chronic Kidney Disease Prediction using Explainable and Uncertainty-Aware Stacked Ensembles and was scopus indexed in March 2026.(doi: 10.1109/ICSCN67106.2025.11308705)



Dr. C P Pavan Kumar Hota, Assistant Professor, Department of AI published a paper titled CT-LIVERNET: AN EFFICIENT DEEP LEARNING MODEL FOR LIVER LESION SEGMENTATION AND DIAGNOSIS in Journal of Theoretical and Applied Information Technology has been scopus indexed in Q4 Journal in April 2026.(Journal of Theoretical and Applied Information Technology, vol. 104, no. 1, pp. 268–282, Jan. 2026.)

Dr. Yedlapalli Phani of Mathematics department Published a paper titled “Axial Wrapped Exponential Distribution With Estimation And Application.” In Journal of Science and Arts during March 2026.



Dr. Yedlapalli Phani of Mathematics department Published a paper titled “New Semicircular Distribution with Application.” Journal Of Mechanics Of Continua And Mathematical Sciences, Vol.-21, during March 2026.

Dr. R. Vasubabu of Mathematics department Published a paper titled “ Irreducible elements of almost distributive lattices.” in Journal of Dynamical Systems & Geometric Theories, during March 2026.



Dr. R. Vasubabu of Mathematics department Published a paper titled “ On closure filters of decomposable stone ADLs.” in Journal of Discussiones Mathematicae, during April 2026.



Mrs. P. Prathibha of Mathematics department Published a paper titled “A hierarchical adaptive approach for feature selection in multiclass classification of DDoS attack.” In Journal of Taylor & Francis, during March 2026.

Mr. G. Surendra Kumar, Asst. Professor of CSE Department published a paper titled “DDFE-HCNN-E: A Dual-Domain Feature Fusion Hybrid CNN Ensemble Model for Automated Epileptic Seizure Detection” in the International Conference ICCIDS – 26 during March 2026.



Mr. M. Ramesh Babu of CSE Department published a paper titled “Performance Assessment of Feature Ranking Algorithms for Breast Cancer Prediction” in the International Conference ICICS – 2025 during March 2026.

Mr. A. S. Mallesh of CSE Department published a paper titled “Classification of Privacy Preserved Medical Data in Cloud Based on Deep Learning with Lotus Effect Honey Badger Optimization” in the Journal of Knowledge-Based Systems during March 2026.



Dr. P. Kiran Sree of CSE Department published a paper titled “Paddy Plant Disease Detection Through Image Processing Using Deep Learning” in the Journal of Proceedings on Engineering Sciences during March 2026.

Mr. M. Ramesh Babu of CSE Department published a book chapter titled “A Hierarchical Adaptive Approach for Feature Selection in Multiclass Classification of DDoS Attack” in the Book of Information and Communication Systems during March 2026



Mr. B. Anoch of CSE Department published a paper titled “An Explainable & Lightweight CKD Prediction Framework using Crow Search based Feature selection and LightGBM” in the International Conference ICICT – 26 during April 2026.



Dr. K. Ashok published of CSE Department a book chapter titled “AI Enhanced Fraud Detection in Banking and E-Commerce” in the Book of AI-Driven Intrusion Detection and Prevention for Business Cybersecurity during April 2026.

Dr. J. Veeraraghavan of CSE Department published a paper titled “Enhancing Drug Safety through AI for Predicting Adverse Drug Reactions” in the International AIP Conference during April 2026.



Dr. Veeraraghavan Jagannathan of CSE Department published a paper titled “SCWO-SNN: Snow carpet weaver optimization based spiking neural network for fraud detection in UPI transactions using federated learning” in the Journal of Computer Standards & Interfaces during May 2026.

Mr. T. Rajesh of CSE Department published a paper titled “Design and Development of an Automated Electroencephalogram Signal Processing and Diagnostic Support Architecture Employing Advanced Deep Learning Models for Early Accurate and Scalable Detection of Neurological Diseases” in the Journal of Physiotherapy Research International during May 2026.



Mr. Ch. Phaneendra Varma of CSE Department published a paper titled “Few-shot and zero-shot Assamese hate speech detection: a comparative benchmark of large language models” in the Journal of Social Network Analysis and Mining during May 2026

Dr. V. Purushothama Raju of CSE Department published a paper titled “A Computer Vision-Based Thyroid Disease Prediction Using an Ebola Optimization Enhanced Deep Learning Model” in the Journal of Journal of Theoretical and Applied Information Technology (JATIT) during May 2026.



Dr. K. Ashok of CSE Department published a paper titled “Alzheimer’s Disease Detection using Hybrid Machine Learning and Deep Learning Technique” in the International Conference IEEE CNC 2025 during May 2026.



Mr. B. Anoch of CSE Department published a paper titled “An Explainable and Lightweight CKD Prediction Framework using Crow Search-based Feature Selection and LightGBM” in the 9th International Conference ICICT during May 2026.

Mr. B. Anoch of CSE Department published a paper titled “Uncertainty-Aware Explainable Ensemble Learning Framework for Smartphone Addiction Prediction Using Behavioural Data” in the 6th International Conference ICCNCT-2026 during May 2026.



Mr. Ch. Phaneendra Varma of CSE Department published a paper titled “DroidFormer++: A Trustworthy Transformer Framework for Android Malware Classification with Dual-View Feature Fusion, Self-Supervised Pretraining, and Calibrated Explainability” in the 6th International Conference ICAN 2026 during May 2026.

Dr. R. Anuj of CSE Department published a paper titled “Enhancing IoT Cybersecurity with Multi-Layer Deep Transfer Learning Approach for Intrusion Detection” in the Journal of ICT Research and Applications during May 2026.



Dr. G. Ramesh Babu of CSE Department published a paper titled “A Novel Deep Learning Based Framework Using TResNet and MiXNet for Securing IoT” in the Journal of International Journal of Software Engineering and Knowledge Engineering (IJSEKE) during May 2026.

Dr. M. Prasad of CSE Department published a paper titled “Deep Learning-Based Classification for Post-Flood Damage Assessment Using Aerial Imagery” in the 2nd International Conference ICCRTEE 26 during May 2026.



Dr. V. Purushothama Raju of CSE Department published a paper titled “Personalised Tour Recommendation Systems” in the International Conference of IEEE AIEI during May 2026



**Dr. P. B. V. Raja Rao** of CSE Department published a paper titled “Enhanced Breast Cancer Detection in Mammographic Images Using Self-Guided Quantum Generative Adversarial Network with Puma Optimizer” in the Journal of Biomedical Materials & Devices during June 2026.

**Mrs. K. Ratna Kumari** of CSE Department published a paper titled “Harnessing Deep Learning for Efficient Rice Disease Detection with CNN and Advanced Transfer Learning Techniques” in the International Conference Business Intelligence and Data Analytics (BIDA) during June 2026.



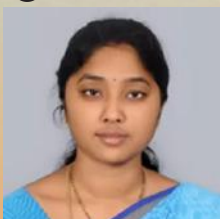
**Mrs. K. Ratna Kumari** of CSE Department published a paper titled “Exploring Ensemble Methods for Spam Classification” in the International Conference Applications of Computational Intelligence in Management and Mathematics I during June 2026.

**Mr. Pothuraju Raju** of CSE Department published a paper titled “A Trustworthy Framework For Early Chronic Kidney Disease Prediction using Explainable Machine Learning” in the 6th International Conference on Pervasive Computing and Social Networking (ICPCSN) during June 2026.



**Dr. Pala Gireesh Kumar** of Civil Engineering department has published the research article on “Predictive modelling of pavement condition index: a machine learning framework for infrastructure management” in International Journal of Pavement Engineering (Taylor & Francis) (SCIE and Scopus Indexed, I.F: 3.3)

**Dr. B. Sudhir Kumar** of Civil department has published a research article on “Assessing the influence of vehicular fuel type on urban road traffic noise using frequency-domain acoustic monitoring” in Environmental Monitoring and Assessment Journal (SCIE and Scopus Indexed, I.F.: 3.2).



**Dr. S. Manjula** of CIVIL department has published the SCIE-Q1 research article on “Effect of shear span to depth ratio of RC beams provided with welded wire mesh as core zone reinforcement -experimental and numerical with Impact factor of 4.3, in Structures of Elsevier Journal



Mr. D. B N S Varma of Chemistry Department published a paper titled “Hydrothermal mediated  $\text{FeWO}_4/\text{rGO}$  composite for superiority at removal of fluoride and bacteria from contaminated water in International journal of Drug delivery technology in June 2026. DOI: [10.25258/ijddt.16.54s.84](https://doi.org/10.25258/ijddt.16.54s.84)

Mr. D. B N S Varma of Chemistry Department published a paper titled “Iron doped nickel oxide nanoparticles as efficient photocatalyst for degradation of Congo red dye in May 2026. DOI: [10.25258/ijddt.16.54s.84](https://doi.org/10.25258/ijddt.16.54s.84).



### Excellence in Reviewing



Dr. P. Sricharani of Artificial Intelligence department received the “Certificate of Excellence in Reviewing” from the Asian Journal of Probability and Statistics for the Academic Year 2026–2027, Month of April 2026. This recognition was awarded for her outstanding contribution and valuable efforts in maintaining the quality of the journal through the peer-review process, highlighting her active involvement in academic research and scholarly activities.



# STUDENT ACTIVITIES



## Short-Term Training Program (STTP)

Department of Electrical and Electronics Engineering (EEE), in association with the professional society IET, Organized a Short-Term Training Program (STTP) on “Computational Tools for Engineers” from 27 April to 02 May 2026. The program aimed to familiarize participants with modern computational tools and their applications in engineering. It provided an opportunity to enhance technical knowledge and develop practical skills relevant to engineering analysis and problem-solving.



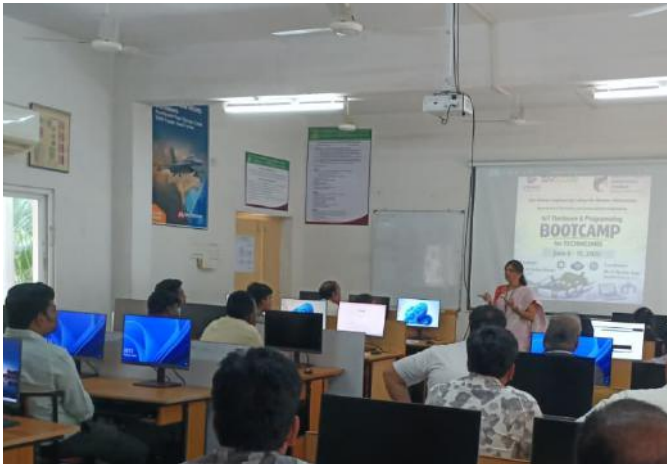
## Workshop

Department of Mechanical Engineering in association with the Andhra Pradesh State Skill Development Corporation (APSSDC), successfully organized a five-day workshop on NX CAD from 17 February 2026 to 21 February 2026 at the Student Hub. The workshop was conducted by Mr. Pathan Mansoor Khan, an experienced CAD trainer and industry expert. 50 students from the Department of Mechanical Engineering attended the workshop under the guidance of faculty coordinators.



## IoT Hardware & Programming Bootcamp

Department of Electronics and Communication Engineering organized a six-day IoT Hardware & Programming Bootcamp from 8<sup>th</sup> –13<sup>th</sup> June 2026 for technicians. The program provided comprehensive training in embedded systems, Arduino programming, sensor interfacing etc., The bootcamp concluded with mini IoT project development. The Program successfully enhanced participants' technical knowledge, programming skills, and practical competency in developing modern IoT and embedded system applications.



## Teams for Innovation Startup

Department of Artificial Intelligence conducted a workshop on “Teams for Innovation Start-ups” on 2nd March 2026 with 59 participants. Mr. DVH Venu Kumar of AI Department is the resource person for the event. K.Srikanth of AI department coordinated the event.



## SDG Project Expo-2026

Department of Computer Science and Engineering (CSE) organized a Project Exhibition Challenge for III and IV year CSE students on 29/03/26. A total of 83 students actively participated by exhibiting their Projects, demonstrating innovative ideas, technical skills, and problem-solving abilities. The exhibition provided a valuable platform for students to showcase their work, exchange knowledge, and gain feedback from faculty and peers, fostering creativity, collaboration, and practical learning.



## Guest Lecture

Department of Civil and Mechanical engineering students along with Dr. N A G K Manikanta Kopuri attended the guest lecture of “Dr. G. Satish Reddy” on “The advent of Fifth Generation Warfare – Bharat’s Preparedness” at School of Planning and Architecture Vijayawada on April 12<sup>th</sup>, 2026.



# STUDENT CLUBS



## EAGLE Club

As part of its outreach initiatives, the EAGLE Club (Elite Anti-Narcotics Group for Law Enforcement) conducted a society outreach program on “Effect of Drugs on Future Life” at Vishnu School on 24 April 2026. The program was organized for 8th and 9th class students to create awareness about the harmful effects of drug abuse and its impact on health, education, and future prospects. The session encouraged students to make informed and responsible choices for a healthy and successful life. Mrs.G.Bharathi of EEE department and Mr.MV. Murali Krishna of Chemistry department coordinated the event.



## Field Visit to ANGRAU

The Organic Farmerettes Club had an enriching and insightful field visit to the Regional Agricultural Research Station, Marteru, under Acharya N. G. Ranga Agricultural University. The visit provided a valuable platform for students to bridge the gap between theoretical knowledge and real-world agricultural practices. The interaction with scientists and experts offered deep insights into sustainable farming techniques, climate-resilient agriculture, and modern innovations in organic farming.

The visit was guided by faculty coordinators: Mr. D. B. N. S. Varma, Assistant Professor, Mrs. B. Kanaka Durga, Assistant Professor and Dr. K. Ganesh Kadiyala



# World Environment Day Seed Ball Making

On World Environment Day (June 5, 2026), the Organic Farmerettes Club at Shri Vishnu Engineering College for Women held a Plantation Drive and Seed Ball Making Programme to promote environmental awareness. The event, attended by the West Godavari District Collector and Joint Collector, encouraged student participation in conservation efforts. Faculty and students planted saplings and made seed balls, emphasizing afforestation and biodiversity. The programme fostered environmental responsibility and demonstrated the college's commitment to sustainability.



# PENCIL SKETCH



**MMK SRI DURGA**  
23B01A0471, III ECE



**MMK SRI DURGA**  
23B01A0471, III ECE



**K.SOWMYA**  
24B01A0458, III ECE



**P. Sushma**  
23B01A0131, III CE



# Editorial Team



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U. Rishithasai, III EEE  
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