



# *Sri Venkateswara College of Engineering (SVCE)*



Learning at SVCE has a pragmatic approach with a clear focus, valuing individual vision, intellectual discipline, and a sense of teamwork. We aim at developing our students to their full potential, preparing them to take the next step towards career success

SVCE is committed to its role in creating leaders through its innovative programmes, outstanding faculty and thought leadership. SVCE nurtures global leaders who can speak their minds and work well with others in a wide range of cultural contexts. It will develop their ability to manage a career successfully in the global economy. Our teaching modes and methods of assessment vary between courses to ensure that you gain the most benefit from the interactive course content, faculty members, fellow students, and invited

guests. Lectures comprise only a portion of course delivery, with the remaining taken up by discussions, seminars, case analysis, simulation, individual and group projects, and presentations.

SVCE mixes and remixes fun, learning and growing up. The most important part of your life is the years spent discovering who you are and what you want to be. There's no place better than SVCE to spend those precious years

## ***SCOOPS***

### ***EDITORIAL BOARD***

***LEARNING AT  
SVCE IS A  
PRAGMATIC APPROACH***



## ***Vision***

To be a Centre of excellence focusing on high quality technical education, research and technical services with global leadership competence to succeed in employment and higher education with ethical, social, entrepreneurial aspects updating to the real time requirements.

## ***Mission***

To impart high quality technical education by providing the state-of-the art infrastructure, core instruction.

Advanced research and technical consultancy services with qualified and senior faculty.

To prepare the students professionally deft and intellectually adept possessing excellent skill, knowledge and behavior with global competence.



**Gangi Reddy. A**  
**Chairman**  
**SV Colleges**

It gives me great pleasure to welcome you to our SV Colleges family. Having students from different parts of the country, I sincerely consider it our priority to make the students feel right at home.

We strive to provide a unique educational experience for students by devoting all of our efforts to our mission, insight, and culture on a daily basis. As you will realize from going through our website, our goal is to provide our diverse student body with exemplary education, instilling in our students a love of learning, the ability to think independently, and the confidence to chase their dreams and goals. To do that for our students, we offer academic programs with high standards and we support each one of them as they work to achieve the goals.

It is with great pride that I serve as the Chairman of SV Colleges. I believe in the education we offer just as I believe in our faculty and our students. Envision your student in this environment, where we emphasize the important qualities of integrity, honesty, and creativity. I once again welcome you to our SV Colleges family and assure the best of the education to our students.



**Prakash Ambavaram**  
**Vice Chairman**  
**SV Colleges**

As Vice Chairman of SV Colleges, I feel very privileged to spearhead our group of institutions that stands for excellence in education. Here at SV Colleges, our aim is to develop students with global mindset who would in turn work towards creating a better world. Our students, as twenty first century learners, are constantly encouraged to increase their knowledge domain by learning through experiences, regardless of success or failure.

As educators, we are focused on meeting all of the needs of all of our students. In addition to meeting their academic needs, we are also dedicated to serving their emotional and physical needs. The students of our colleges come to us from many different backgrounds. We have a very vibrant community where academic diversity is an integral part of daily life.

Our staff and students have created a strong, exciting and vibrant atmosphere at SV colleges. Our students are valued as individuals and they are encouraged to become the best that they can be. I look forward another exciting academic year with great anticipation and enthusiasm, as we build on the successes of our past.



## ***RESEARCH PUBLICATIONS (NATIONAL/INTERNATIONAL JOURNALS) (Students/Faculty)***

- Ramakanth Reddy, Assistant Professor from SVCE-CSE (AI&ML) published SCI Journal titled “Histopathology-based breast cancer prediction using deep learning methods for healthcare applications on 04-06-2024.
- Dr. Keerthpati Kumar, Associate Professor and Dr A.Revathi,Associate Professor from SVCE-CSE(AI&ML) have published IETE Journal of Research titled”DNA TRIKKY Based Security Mechanism for Radio Frequency Identification Protocol.
- Dr. L. Narendra Mohan, Professor of Mathematics, Published paper with the title of “Novel Digital Signature scheme on Non-Commutative Rings Using Differential Polynomials in Conjugacy Problem” and published at journal of Integrated Science and Technology, <http://pubs:thesciencein.org/jist>.
- Dr.P. Sreenivasulu, Professor of Mathematics, Published paper with the title of “Two-Phase numerical simulation of thermal and solutal transport exploration of a Non-Newtonian nano material flow past a stretching surface with chemical reaction ” and published at Open Physics 2024 -<http://doi.org/10.1515/phys-2024-0036>.
- Dr. S.Balakrishna, Professor of Mathematics, Published paper with the title of “Application of Artificial Neural Networks Modeling for Analyzing Non- Newtonian fluid flow over porous media with an induced magnetic field” and published at American Scientific Publishers-Journal of Nanofluids- doi:10.1166/jon.20242164.
- Dr. Y. P. Sai Lakshmi, an Associate Professor at Sri Venkateswara College of Engineering, presented a paper titled "Innovation Management Driven by AI" at the 2024 International Conference on Communication, Computer Sciences and Engineering. This research explores approaches to leverage AI for long-term competitive advantage in businesses. You can find the paper at [DOI: 10.1109/IC3SE62002.2024.10593480].
- A paper titled "Unravelling Workplace Stress: A Comprehensive Study of IT Industry Employees in Tamil Nadu, India" was presented at the 11th International Virtual Congress with the focal theme Global Research: Innovate, Integrate, Motivate, organized by the International Science Community Association. ISBN: 978-81-963682-1-0.
- Dr. Y.V. Krishna Reddy published a journal article titled "Economic Load Dispatch of Thermal-Solar-Wind System using Modified Grey Wolf Optimization Technique."
- Dr. A. Ganesh, Professor, published a paper titled "Optimizing Task Scheduling Exploring Advanced Machine Learning in Dew-Powered Cloud Environments" in Scalable Computing: Practice and Experience, ISSN: 1895-1767, Volume 25, Issue 5, pp. 3701-3714.
- Dr. E. Sreedevi published a research paper titled "Implementation and Evaluation of Ensemble Learning Algorithm for Improved Drug Development" in Communications on Applied Nonlinear Analysis, Vol. 31, No. 6s, ISSN: 1074-133X.

- Dr. P. Babu, Professor of Physics, published a paper titled "Modified Frankincense Resin Stabilized Gold Nanoparticles for Enhanced Antioxidant and Synergetic Activity in In-Vitro Anticancer Studies" in International Journal of Biological Macromolecules, Vol. 278.
- Venkateswara Raju, K (2024). Professor, Dept of Mathematics, Sri Venkateswara College of Engineering, Tirupati, with a title of "Comparative numerical study between MHD Forchheimer nano and hybrid nanofluid flows over stretching sheet under aligned magnetic field in the presence of radiation absorption." In the International Journal of Modelling and Simulation. <https://doi.org/10.1080/02286203.2024.2393306>
- Anantha Kumar, K. (2024). Assistant Professor, Dept of Mathematics, Sri Venkateswara college of Engineering, Tirupati, published an article with a title of "A computational model for the density of motile microorganisms in the Casson fluid flow with thermal radiation". In the Journal of Naval Architecture and Marine Engineering, 21(1), 79-86. <https://doi.org/10.3329/jname.v21i1.70396>
- Dr. T. Sudhakar Reddy, Assistant Professor, Department of CSE, published a paper titled "Root Free annihilating filter method for sparse signal reconstruction" in Circuits Systems and Signal Processing, SCI Journal, with manuscript ID: CSSP-D-24-00573R1.
- Upendra Raju Konduru, Professor dept of Electronics and communication engineering, sri venkateswara college of engineering An improved performance of reversible data hiding in encrypted images using decision tree algorithm.. Engineering Applications of Artificial Intelligence, 137, Part A, November 2024, 109100. <https://doi.org/10.1016/j.engappai.2024.109100>.
- Shaik Rafi Kiran, Professor, Dept of Electrical and Electronics Engineering. "A novel advanced hybrid fuzzy MPPT controllers for renewable energy systems." Scientific Reports, vol. 14, 2024, doi:10.1038/s41598-024-72004-4.
- Dr M Vamsi Krishna, Dr Jagath Kamineni, J. & Achari, T. V. N. faculty, sri venkateswara college of Engineering, Tirupati. Investigation on material selection and optimization for enhanced performance in earth tube heat exchangers. In F. Lin, et al. (Eds.), Artificial Intelligence in Internet of Things (IoT): Key Digital Trends (pp. 151-178). Springer Nature Singapore Pte Ltd. [https://doi.org/10.1007/978-981-97-5786-2\\_12](https://doi.org/10.1007/978-981-97-5786-2_12).
- Dr. Shaik Rafi Kiran faculty, sri venkateswara college of Engineering, Tirupati "A Universal Source DC-DC Boost Converter for PEMFC-Fed EV Systems with Optimization-Based MPPT Controller" International Transactions on Electrical Energy Systems (Wiley), Volume 2024, Article ID 5520331, <https://doi.org/10.1155/2024/5520331>.
- Gadham setty Guru Mahesh, faculty, sri venkateswara college of Engineering, Tirupati (2024). A Review of the Mechanical Properties of Biochar-Reinforced Aluminium 7075/SiC Composites. Journal of Physics: Conference Series, 2837(1), 012050. doi:10.1088/1742-6596/2837/1/012050.
- Sreedevi, E. (2024) faculty of Sri Venkateswara College of Engineering, Tirupati. Plant disease classification using novel integration of deep learning CNN and graph convolutional networks. Indonesian Journal of Electrical Engineering and Computer Science, 36(3), 1721–1730. <https://doi.org/10.11591/ijeeecs.v36.i3.pp1721-1730>
- Dr. K. Venkateswara Raju (Professor of Mathematics): Published a paper titled "Applying Numerical Methods to Differential Equations for Wildlife Conservation Strategies" in The International Journal of Life Sciences (<https://doi.org/10.63001/tbs.2024.v19.i03.pp41-44>).

- Dr. P. Sreenivasulu Reddy (Professor of Mathematics): Published a paper titled "Impact of Non-linear Radiation on Magneto-Casson Fluid Suspended Hybrid Nano-Materials in Sodium Alginate: Smarter Textiles.." in Hybrid Advances (<https://doi.org/10.1016/j.hybadv.2024.100325>).
- M. Chandra Sekhara Reddy and P Charan Theja: Published an SCI research article titled "Experimental Investigation and Mechanical Characterization of Al 5051 with Nickel/Titanium Powder Metal Matrix Composites Using Stir Casting" in Multiscale and Multidisciplinary Models, Experiments and Design (<https://doi.org/10.1007/s41939-024-00680-4>). Published in 2025
- Dr. N. Manohar Reddy: Published a paper titled "Collating the Structural, Vibrational, and Photocatalysis Properties of LaFeO<sub>3</sub> Rare-Earth Orthoferrite Nanoparticles" in the Journal of Sol-Gel Science and Technology (<https://doi.org/10.1007/s10971-024-06602-7>).
- Dr. K.N. Chidambara Kumar (Professor of Physics): Published a paper titled "Enhanced Pyroelectric Property in Lead-Free 0.94Na<sub>0.5</sub>Bi<sub>0.5</sub>TiO<sub>3</sub>-0.06Ba<sub>0.85</sub>Ca<sub>0.15</sub>Ti<sub>0.90</sub>Zr<sub>0.10</sub>O<sub>3</sub> Solid Solution for Thermal Energy Harvesting" in Ceramics International (<https://doi.org/10.1016/j.ceramint.2024.11.205>).
- K. Sujan Kumar (Assoc. Professor of Chemistry), M.S. Usha Kala (Asst. Professor of Chemistry), and Chandraiah Tanguturu (Professor of Chemistry): Published a paper titled "Assessment of Radio nuclides in the Kadapa Region India by Using Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)" in the Journal of Emerging Technologies and Innovative Research (JETIR) (Volume 11, Issue 10, ISSN-2349-5162).
- Dr. K Upendra Raju, Professor in ECE Dept published a paper on "An improved performance of reversible data hiding in encrypted images and using decision tree algorithm" in Engineering applications of Artificial Intelligence –Elsevier Journal in Dec 2024
- Dr. K Upendra Raju, Professor in ECE Dept published a paper on "A writer adaptation approach to online signature verification through feature clustering and classifier selection" in IEEE transactions in Dec 2024 .
- Dr. E.Sreedevi has Published a research paper entitled "Plant Disease Classification Using Novel Integration of Deep Learning CNN and graph Convolutional Networks", Indonesian Journal of Electrical Engineering and computer Science, Vol. 36, no.3, pp. 1721-1730, December 2024(Scopus indexed).
- Dr. P.Babu published a paper with the title Effect of substrate temperature on the optical and magnetic properties of chemical spray deposited Fe-doped ZnO thin flms in Mater Sci: Mater Electronwith pages(2025) 36:59(<https://doi.org/10.1007/s10854-024-14125-8>).
- Dr. M. Chittaranjan, Professor & Head, Department of Civil Engineering, published a research article titled "ENHANCING AGRICULTURAL WATER MANAGEMENT THROUGH SENSOR-BASED IRRIGATION SYSTEMS". Journal of Environmental Protection and Ecology 25, No 7, 2234–2244 (2024)

- Dr. D. Subramanyam, Professor, Mechanical Engineering Department, published a paper titled “Enhancing Research & Development through Sponsored Projects” in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 15, No. 1, January 2025 (Scopus).
- Dr. C. Chandrasekar, Professor, ECE Department, published a paper titled “Pass-Transistor-Enabled Split Input Voltage Level Shifter for Ultra-Low-Power Applications” in Micromachines (SCIE), on 05-01-2025.
- Dr. G. Chandraiah, Professor, ECE Department, published a paper titled “Modal Analysis-Based Ultrawideband  $4 \times 4$  MIMO Antenna with Flower Configuration” in International Journal of Electronics and Communications, Vol. 15, No. 2, April 2025 (SCI).
- Dr. C. Chandrasekar, Professor, ECE Department, published a paper titled “Efficient Power Optimized Very-Large-Scale Integration Architecture of Proportionate Least Mean Square Adaptive Filter” in International Journal of Electrical and Computer Engineering (IJECE), Vol. 15, No. 2, April 2025 (Scopus).
- Dr. S. Salma, Assistant Professor, ECE Department, published a paper titled “Denim-Based Wearable Textile Antenna for WiMAX, Telemetry, and X-Band Applications” in SSRG International Journal of Electrical and Electronics Engineering (IJEEE) (Scopus).
- Dr. P. Suresh Babu, Associate Professor, ECE Department, published a paper titled “Design and Evaluation of Clock-Gating-Based Approximate Multiplier for Error-Tolerant Applications” in Memories - Materials, Devices, Circuits, and Systems (Elsevier, Scopus).
- Dr. V. Madhurima, Associate Professor, ECE Department, published a paper titled “Machine Learning-Enabled System for Screening COVID-19 and Similar Diseases in Dense Population Sectors” in Engineering Access, Vol. 11, No. 1, January–June 2025 (Scopus).
- Dr. K. Roja, Professor, Chemistry Department, published a paper titled “Synthesis of Pyrazolyl Phosphonates by Using Amine-Functionalized Metakaolin” in Research on Chemical Intermediates. DOI: 10.1007/s11164-024-05492-2.
- Dr. A. Munikrishnaiah, Associate Professor, Chemistry Department, and Dr. P. Geetha, Professor, Physics Department, published a paper titled “Impedance and Energy Storage Properties of NBT-SrTiO<sub>3</sub>-KNbO<sub>3</sub> Lead-Free Ceramics” in Journal of Materials Science: Materials in Electronics, Vol. 36, Article No. 162. DOI: 10.1007/s10854-025-14235-x.
- Dr. M. Indupriya, Associate Professor, Chemistry Department, published a paper titled “Method Development and Validation of Rilpivirine in Pharmaceutical Formulation by RP-HPLC Analysis” in IJBPA, January 2025, Vol. 14(1), pp. 320-343, ISSN: 2277-4998.
- Renugadevi Kumar, Gopala Krishna M, Eswaraiah Billu, Anjan Kumar Reddy D, & Ram S. published a paper titled “Optimization of Surface Roughness in Machining of Titanium Composite Using Taguchi Method” in Interactions, 2025, pp. 246-33. DOI: 10.1007/s10751-025-02247-2.
- Sailesh, A., Dilavar, S. N., Saho, M. R., Prasad, D., Kumar, K. S., Krishna, M. V., Anandkumar, R., Murali, D., & Nalinashini, G. published a paper titled “Enhancing Mechanical Properties by Parameter Optimization in Fiber and Particle Reinforced Composites” in Journal of Polymer and Composites.

- Mrs. G. Gnana Prasanna, Assistant professor, Civil Engineering department, published a paper titled "AN EXPERIMENTAL STUDY ON EFFECT OF GEOPOLYMERIC REINFORCEMENT ON SOIL SUB-GRADE FOR FLEXIBLE PAVEMENTS" in Journal of polymer and composites, ISSN: 2321-2820.
- Mr. T. Srikanth, Assistant professor, Civil Engineering department, published a paper titled "AN EXPERIMENTAL STUDY ON EFFECT OF GEOPOLYMERIC REINFORCEMENT ON SOIL SUB-GRADE FOR FLEXIBLE PAVEMENTS" in Journal of polymer and composites, ISSN: 2321-2820.
- Mr. V. Mahesh, Assistant professor, Civil Engineering department, published a paper titled "AN EXPERIMENTAL STUDY ON EFFECT OF GEOPOLYMERIC REINFORCEMENT ON SOIL SUB-GRADE FOR FLEXIBLE PAVEMENTS" in Journal of polymer and composites, ISSN: 2321-2820
- Dr.K Kumar and Dr.V Lakshmi Devi published a paper in SCI Journal with the title of "Design and evaluation of power converter for integration of lithium-ion battery and renewable sources" in SCI Journal as a 1st and 2nd authors on 18-02-2025. <https://doi.org/10.1016/j.rineng.2025.104409>
- Dr.Shaik Rafi Kiran published a paper in IEEE Conference with Title of "Blood Pressure Monitoring and Hypertension Prediction using Dynamic Opposite Learning Based Prairie Dog Optimization Algorithm" in IEEE 4th International Conference on Mobile Networks and Wireless Communications (ICMNWC-2024) held on 20-2-25, <https://doi.org/10.1109/ICMNWC63764.2024.10872294>
- Dr K Sudheer published a paper in Scopus with Title of " Enhancing Power Quality in Solar Integrated Smart Grids for EV Systems through Smart Controller" by ICIDeA 2025 On 22-02-2025.
- Ms.K YAMUNA published a paper as a 1<sup>st</sup> author in Scopus with Title of " Smart-grid optimized bidirectional EV charging: A hybrid metaheuristic approach" by ICIDeA 2025 On 22-02-2025.
- Mr.B.Sreenivas reddy published a paper as a 2<sup>nd</sup> author in Scopus with Title of " Smart-grid optimized bidirectional EV charging: A hybrid metaheuristic approach" by ICIDeA 2025 On 22-02-2025.
- Dr.P.Sreenivasulu, Professor of Mathematics, has published with entitle "Magneto hydrodynamic hybrid nanofluid flow with Cattaneo-Christov heat flux: thermal performance and entropy analysis" at journal of "Multiscale and Multidisciplinary Modeling, Experiments and Design, with <https://doi.org/10.1007/s41939-025-00751-0> from Page:1-13.
- Dr.P.Sreenivasulu, Professor of Mathematics, has published with entitle "Joule heating and dissipation couple effects on Magneto silver-graphene hybrid nanofluids upon radial stretching surface" at journal of "Heliyon", with <https://doi.org/10.1016/j.heliyon.2025.e42172> from Page:1-17.
- Mr.T.JayaChandra Reddy, Assistant professor, has published with entitle " NUMERICAL EXPLORATION OF MHD NON-NEWTONIAN NANOFUID FLOW PAST A BIDIRECTIONAL SURFACE WITH RADIATION AND JOULE'S HEAT" at Journal of Naval Architecture and Marine Engineering with <https://dx.doi.org/10.3329/jname.v22i1.78578>.

- Dr.A.Ganesh, Professor Published a paper entitled “A Deep Learning Approach for ECG-Based Cardiac Anomaly Detection with Improved Feature Extraction”  
<https://ieeexplore.ieee.org/xpl/conhome/10861898/proceeding> DOI: 10.1109/GCCIT63234.2024.10862751, Date Added to IEEE Xplore: 06 February 2025.
- Dr. P. Sudheekar Reddy, Assistant Professor, Department of Civil Engineering published a research article titled “Physicochemical and Energy Characteristics of Biochar and Hydrochar Derived from Cotton Stalks: A Comparative Study” BioEnergy Research (2025) 18:20 <https://doi.org/10.1007/s12155-025-10816-0>
- Kumar, R., Krishna M, G., Billu, E. et al. Optimization of surface roughness in machining of titanium composite using taguchi method. Interactions 246, 33 (2025). <https://doi.org/10.1007/s10751-025-02247-2>.
- Gopala Krishna, Balaji Ganesh N, C.P.Balaji, P. KarunyaMoorthy, K. Harshavardhan Reddy, published a research article titled “Fabrication and Mechanical Characterization of Al Hybrid Metal Matrix Composite Reinforced with B4C and Coconut Shell Fly Ash via Powder Metallurgy”, Jan 2025.
- Dr.K.Roja,Professor in Chemistry published a paper with the title Improvement of electrocaloric energy storage properties in eco-friendly 0.63 Na 0.5Bi 0.5 TiO<sub>3</sub>-0.37Sr
- TiO<sub>3</sub>-NaNbO<sub>3</sub> ceramic synthesized by sol-gel route in J Mater Sci: Mater Electron, <https://doi.org/10.1007/s10854-025-14471-1>
- Dr. R.Vijayalakshmi, Professor of Mathematics, has published a paper titled with “A Study on signals Laplacian energy of an intuitionistic fuzzy graphs with applications to group decision making” at Communications on Applied Nonlinear Analysis, ISSN:1074-133X, Vol 32 No.9s(2025). DOI: <https://doi.org/10.52783/cana.v32.3847>
- Dr. T.Ramanjaneyulu, Associate Professor of Mathematics, has Presented paper titled with “Stream Action of Casson the flow Across an inclined porous depends on the angle of inclination” at Journal Mathematics letter(AML).
- Dr. R.Sireesha published a paper in CRC Press proceedings (Taylor & Francis) with the title "Design of an Autonomous Electric Vehicle Module with Vehicle-To-Home Technology for a Smart Grid" in ICSEEIS 2025 on 10-11 March 2025.
- Dr. K.Raju published a paper in CRC Press proceedings (Taylor & Francis) with the title "Implementation of Current Source Converter Based Wind Energy Conversion Systems in HVDC" in ICSEEIS 2026 on 10-11 March 2025.
- Ms. K.Yamuna published a paper in CRC Press proceedings (Taylor & Francis) with the title "Intelligent EV Charging Station Recommendation Using Dynamic Multi-Attribute Preference and Machine Learning" in ICSEEIS 2025 on 10-11 March 2025.
- Mrs. K. Prathibha published a paper in CRC Press proceedings (Taylor & Francis) with the title "Smart Wheelchair with Automatic Heartbeat and Temperature Monitoring" in ICSEEIS 2025 on 10-11 March 2025.
- Mrs. M.Jyothisnadevi published a paper in CRC Press proceedings (Taylor & Francis) with the title "Butterfly Optimization for Sustainable Power Dispatch with Renewables" in ICSEEIS 2025 on 10-11 March 2025.

- Mr.G. Dilli Babu published a paper in CRC Press proceedings (Taylor & Francis) with the title "An Integrated Deep Learning Framework for Enhancing Underwater Images" in ICSEEIS 2025 on 10-11 March 2025.
- Mrs. K.Roopa Raj published a paper in CRC Press proceedings (Taylor & Francis) with the title "Optimization of Combined and Emission Dispatching Variable Energy Resources" in ICSEEIS 2025 on 10-11 March 2026.
- Dr G Chandraiah,Professor ECE Dept published a paper entitled "Modal analysis-based ultrawideband  $4 \times 4$  MIMO antenna with lower configuration AEU" in International Journal of Electronics and Communications Volume 192, March 2025, 155685 DOI: <https://doi.org/10.1016/j.aeue.2025.155685> (SCIE)
- Dr P Suresh Babu, Associate Professor ECE Dept published a paper entitled Optimal distributed generator placement for loss reduction using fuzzy and adaptive grey wolf algorithm International Journal of Applied Power Engineering (IJAPE) Vol.14, No.1, March 2025, pp.155~162 ISSN: 2252-8792, DOI:10.11591/ijape.v14.i1.pp155-162 indexed SCI.
- T.Srikanth, Asssitant Professor, and M.Chittaranjan, Professor of Civil Engineering published a research article titled "Impact of Calcium Chloride on Mechanical Characteristics of Black Cotton Soil.
- Dr. Shaik Rafi Kiran published a paper titled "Modeling of a Fuel Cell with Boost Converter Using Artificial Neural Network" in the IEEE International Conference on Visual Analytics and Data Visualization (ICVADV-2025), held in April 2025.  
<https://ieeexplore.ieee.org/document/10961057>.
- Dr. Shaik Rafi Kiran published a paper titled "Development of VSS-FOCV and IC MPPT Controllers for PEMFC Systems" in the IEEE International Conference on Visual Analytics and Data Visualization (ICVADV-2025), held in April 2025.  
<https://ieeexplore.ieee.org/document/10960861>.
- Dr. Jagath Kamineni published a research article titled "Monocular Depth Estimation for UAV Navigation Using Segmental Fully Convolutional Prairie Dog Neural Networks" at the 2025 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL), Bhimdatta, Nepal, 2025, pp. 1352-1357,doi: 10.1109/ICSADL65848.2025.10933057
- Dr. J. Anil Kumar, Professor, Department of Mathematics, published a paper titled "Parameter Estimation in Multiple Linear Regression: A Neutrosophic Perspective with the Simple Averaging Method (SAM)" in the International Journal of Neutrosophic Science (IJNS). DOI: Doi: <https://doi.org/10.54216/IJNS.260216>
- Dr. J. Kiran Kumar published a paper titled "Unibridge-Revolutionizing Alumni Engagement" in the 5th International Conference on Pervasive Computing and Social Networking (ICPCSN-2025) held on 14th-16th May 2025.

- Dr. K. Praveen, Asssistant Professor, Department of Civil Engineering, presented a paper titled “Assessment of Agricultural Drought Based on Vegetation Condition Index in Sone Command Area in Bihar, India” in International conference on Innovations and Sustainability in Civil Engineering (ISCESTI 2025) organized by Department of Civil Engineering, NIT Patna, during May 14-16, 2025.
- Dr. K. Rama Krishna Reddy, Asssistant Professor, Department of Civil Engineering, presented a paper titled “Temperature, Rainfall and LULC Variation Trend Analysis of Pennar River Basin, India” in International conference on Innovations and Sustainability in Civil Engineering (ISCESTI 2025) organized by Department of Civil Engineering, NIT Patna, during May 14-16, 2025.
- Mr. T. Srikanth, Asssistant Professor, Department of Civil Engineering, presented a paper titled “An Experimental Study on Normative Analysis of Soil Engineering Properties at Tirupati” in International conference on Innovations and Sustainability in Civil Engineering (ISCESTI 2025) organized by Department of Civil Engineering, NIT Patna, during May 14-16, 2025.
- N. Rajesh, Presented the research article with title “Prediction of Hardness & Surface Roughness of 3D Printed PETG-Carbon Fiber (PETGCF) Using ANFIS at International Conference on Multidisciplinary Research in Mechanical Engineering and Nanotechnology (ICMRMEN-2025)held during April 11th and 12th, 2025.
- Dr M Vamsi Krishna, P Vinay Kumar (Student-ME), presented conference paper on “Development of Spider leg Walker using KLANN Mechanism”, Conf: Contemporary issues in science, engineering and technology”, 23 & 24, May, 2025
- Dr M Vamsi Krishna, Akula Jaswanth Kumar (Student-ME), presented conference paper on “AgriMate: Precision Fertilizer and Crop Management Robot for optimized soil health and Yield”, Conf: Contemporary issues in science, engineering and technology”, 23 & 24, May, 2025.

## **TRAINING PROGRAMS/WORKSHOPS ORGANIZED**

- Department of Civil Engineering organized alumni seminar - “SITE EXECUTION” on 24th, June 2024 for II and III Civil Engineering Students, Resource Person is Er. K Naveen, Junior Engineer, Trifecta, Bangalore.
- CRT Training classes are conducted for III year CSE students from May 11th 2024 to 7 th June 2024.
- Technical Practice Test 2 Analysis held on 01-07-24
- Soft Skills Training program by Naandi Foundation & APITA for 2025 Batch B.Tech on 11-7-24.
- Comprehensive Assessment test held on 29-07-24.
- Accenture CST Training Schedule for all registered 4th-year CRT students of the 2025 batch: 19th August 2024 to 30th August 2024.
- Student Orientation on ServiceNow Global Certification: 25th August 2024.
- A Career Awareness Workshop was conducted for III Year I semester students on 23rd August 2024.
- September 13, 2024: The Department of CSE (Data Science) conducted a "Code Debugging" technical event in celebration of Engineers' Day. Participation certificates and Best Programmer awards were distributed to the students.
- September 18, 2024: The Department of CSE (Data Science) organized a "Data Analytics Workshop" under the Data Nexus Technical Association. Akshah Kamerkar, a Data Scientist at ABB Solutions, was the guest speaker and shared his insights.
- September 3, 2024: The Department of Civil Engineering organized a Career Guidance Program on “Develop & Have a Global Career with Overseas Education” for I & III-year Civil Engineering students. The resource person was Mr. Y. Sarat Babu, Branch Manager, Yes2Abroad.
- September 10, 2024: The Department of Civil Engineering organized an alumni seminar on “Entrepreneurship & The State of Mind” for I & IV-year Civil Engineering students. The resource person was Mr. P. Nikhil Venkatesh, MBA 1st Year, Jain University.
- September 19-20, 2024: The Department of Civil Engineering organized a Two-Day workshop on “Hands-on Practice on Slope Stability Analysis using Geo Studio Software” for IV-year Civil Engineering students. The resource person was Dr. Saurav Shekhar Kar, Assistant Professor, Department of Civil Engineering, JSPM's Rajarshi Shahu College of Engineering, Pune.
- Qspiders placement drive was held on 21st September 2024 for final-year students.
- Renault Nissan placement drive was held on 18th September 2024 for final-year students.
- Data Nexus conducted a workshop on Data Analytics by Akash Kamerkar, Data Science and AI Specialist, on 18th September 2024.
- On October 4, 2024): A corporate guest session on "MBA Academic Preparation & Research" was organized for first-year MBA students at Sri Venkateswara College of Engineering by Mr. Ravi Sankar Raju, Area Manager Learning and Management from SBI Life (8th Block Seminar Hall).
- On October 14-18, 2024: The Department of Mechanical Engineering organized an industrial training program for fourth-year students at Daikin Industries Pvt. Ltd. in Sricity.



- On October 18, 2024: Philips hosted a D&I webinar titled "Mosaic" for all women students from the 2025 batch.
- On October 22, 2024: MasterCard held an internship drive for the 2026 batch B.Tech students from all branches. Registration was required by 9:00 PM.
- On October 24, 2024: TAP Academy conducted a physical drive for coordinators from CSE, ECE, EEE, CSM, CSD, CSC, IT, CIV, and MECH.
- On October 24, 2024: Cummins India Ltd. conducted an internship recruitment drive for the 2026 batch B.Tech ECE, EEE, and MECH students. Registration was required by 9:00 AM.
- On October 25, 2024: Allen held a physical drive for students from CSE, ECE, EEE, CSM, CSD, CSC, IT, CIV, and MECH.
- Five Day Workshop “AWS Cloud Computing” conducted for CSE II year students on 21-25 Oct 2024.
- On 29th October 2024: A program on Job Opportunities in the Banking and Insurance Sector was held for MBA Second Year Students by J. Nagaraja Naidu.
- November 11-13, 2024: CRT conducted for Second Year MBA students.
- November 15, 2024:
  - Department of CSC conducted a Workshop on "Ethical Hacking" by ELFINITY FOUNDATION.
  - Department of Mechanical Engineering organized an On-job training on Drone Manufacturing and Assembly Technician.



- November 16, 2024: MCA Students participated in the "Alumni Home Coming Event."
- November 20-21, 2024: Tech Spark conducted with different events.
- November 22, 2024: Sutherland on-campus recruitment drive was conducted.
- Dr. Neeraja M., HoD and Professor of MBA, successfully facilitated a MoU on December 3, 2024 (valid until March 31, 2027) with Bajaj Finserv to implement the CPBFI (Certificate Program in Banking, Finance, and Insurance) course for MBA Batch 2024-2026. The program, conducted over 24 working days with five professional trainers, is scheduled from December 3, 2024, to January 2, 2025, and aims to provide students with industry-relevant skills and practical exposure.
- Training on “Financial education for young citizens” has been organised for MCA I Year Students on December 3 – 4, 2024. Sponsored by Adithya Birla Capital Foundation

## **PATENTS PUBLISHED IN THIS MONTH**

### **(*Students/Faculty*)**

- B.Vijaya has been published a Patent on “Healthcare Management Model Utilizing a Camera enabled By IoT Devices” Date: 21/06/2024 Application No: 202411040677
- M.Chandrakala has been published a Patent on “IoT Integrated Garbage Collection system with Indicator Functionality” Date: 21/06/2024 Application No: 202411040339.
- Dr. K. N. Chidambara Kumar, Professor of physics published a patent with the title of NANO-SCALED GRAPHENE PLATE-REINFORCED COMPOSITE MATERIALS AND METHOD OF PRODUCING SAME with application no. 202441043174 A
- Dr. K.Roja, Professor of Chemistry published a patent with the title of A REAL-TIME SYSTEM WITH LABEL-FREE DYNAMIC BIOSENSING WITH NANOSCALE MAGNETIC FIELD SENSORS with application no. 202441043172A .
- Dr. Konduru Venkateswara Raju filed an ordinary patent application (Application Number: 202421050428) on 01/07/2024, titled "Integrating Statistical Methods with AI for Enhanced Predictive Modeling."
- Dr. L Narendra Mohan filed a patent application (Application Number: 202411023346) on 25/03/2024, titled "Uncovering the Mechanisms and Evaluating Nanoparticle-Based Drug Delivery Methods Using Resveratrol in Lung Cancer Therapy," published on 17/05/2024.
- Mrs. T Sravani, Assistant Professor, Department of Civil Engineering, published a patent titled the “SYSTEM AND METHOD FOR REAL-TIME CONSTRUCTION AND CIVIL ENGINEERING INTERFACES FOR BUILDING SIMULATOR GENERATOR AND INTRIOR DISPLAY”, on 12-07-2024 publication date application number 202441051813.
- D.Anusha, Assistant Professor has been published a Patent on “A cloud Enabled Management system for business and agriculture Integrating IoT Sensors and Computer Vision for Potato Plant Disease Detection Healthcare Management Model Utilizing a Camera enabled By IoT Devices” Date: 05-07-2024 Application No: 202411040421
- Dr. Keerthipati Kumar, Dr D. Esther Rani, N. Vasavya from CSE(AI&ML) has published patent titled “MACHINE LEARNING-BASED METHODOLOGY FOR DATABASE MIGRATION IN CLOUD COMPUTING ENVIRONMENT with Application Number:202441045607 on 21/6/2024
- Dr. Renuga Devi was granted an international patent for her invention titled "Helical Compression Mould Die", UK Design Number: 6369687. The patent was officially granted on 29th August 2024 by the Controller General of the Intellectual Patent Office, UK.
- Faculty from Sri Venkateswara College of Engineering, Tirupati, including Dr. S. Balakrishna, have contributed to a patent application titled "Implementation of Automatic Irrigation Systems for Smart Agriculture Using IoT and Machine Learning Solutions" (Application No. 202441068440 A), filed on 11th September 2024.

- Mr. J. Harish, Assistant Professor, Department of Civil Engineering faculty, sri Venkateswara college of Engineering, Tirupati has published a patent on “Self-healing concrete composition for Civil Engineering Applications” with application number 202441079619
- Dr. S. SUDHAKAR REDDY, Professor of Mathematics, has been awarded a patent for his invention titled "MACHINE LEARNING TECHNIQUES FOR ANALYSING TOPIC-LEVEL KNOWLEDGE AND ENGAGEMENT FOR LONG-TERM PREDICTIONS IN MATHEMATICS LEARNING IN HIGHER EDUCATION." The application number for this patent is 202421075704 A, and it was published on 07/10/2024.
- The registration of the design named "MINI ELECTRICAL OPEN-END WRENCH" under Application Number 397885-001 in class 08-05. The design is registered in the names of Mr. Kalekkal Murali Karthik and Dr. N Rajesh. The certificate was issued on October 18, 2023,
- Dr. K. Siva Reddy, Assistant Professor, Department of MCA, Sri Venkateswara College of Engineering, contributed as a co-inventor to the patent application No. 202441093614 A, titled "Real-Time Assessment and Feedback in Education with Leveraging Multimodal AI with Augmented Reality for Skill Mastery," published on 06/12/2024.
- Inventors from Sri Venkateswara College of Engineering, including D. Vidhya, D. Majakumaran, and others, have filed patent application number 200441093 A for a novel method titled 'Integrating Machine Learning and Graph Theory for Improved Feedback and Student Performance Prediction in Higher Education.'
- R. Venkataramana, Assistant Professor has been published a Patent on “Precision Aerial Drone for Automated Coconut Harvesting” Date: 27/12/2024 Application No: 426432- 001.
- Mrs. G. Anusha, Assistant Professor, Department of Civil Engineering has published a patent on “Integrated SYSTEM FOR Urban Flood Mitigation Using Multi-Functional Storage Spaces, Advanced Sewer Overflow Solution, and Low-Impact Development Strategy” with application number 202441095619.
- Mr. T. Srikanth, Assistant Professor, Department of Civil Engineering has published a patent on “A system with Geotechnical Engineering for Soil Stabilization in Civil Engineering Projects” with application number 202441098489.
- Dr. K. Venkateswara Raju, Professor of Mathematics, published a design patent titled "Device for Optimizing Mathematical Algorithms in Computational Geometry" with Application No: 428739-001, published on 30/08/2024.
- K. Sreedevi published a patent titled "Real-Time Assessment and Feedback in Education Leveraging Multimodal AI with Augmented Reality for Skill Mastery" with Application No: 202441093461, published on 06/12/2024.

- Mr. A. Krishna Mohan and Mr. Sk Allabaksh, Assistant Professors in the ECE Department, published a patent titled "Real-Time Object Detection Using Deep Learning Techniques" on 13/12/2024, with Application No: 202441096394A.
- Dr. L. NARENDRA MOHAN, Dr. S. SUDHAKAR REDDY & Dr. T. RAMANJANEYULU, Professor of Mathematics, has patent title of the invention: "Machine Learning Enhanced Techniques for Numerical Analysis and Error Reduction", with Application No: 202421051863 A, Published on 23/08/2024.
- Dr. L. NARENDRA MOHAN, & Dr.J.ANIL KUMAR, Professor of Mathematics, has patent title of the invention: "Smart Home Ecosystem with centralized control and personalized Automation", with Application No: 202421051863 A, Published on 23/08/2024.
- Dr. L. NARENDRA MOHAN, & Dr.J.ANIL KUMAR, Professor of Mathematics, has patent title of the invention: "Smart Home Ecosystem with centralized control and personalized Automation", with Application No: 202421051863 A, Published on 23/08/2024.

## **RESEARCH PUBLICATIONS** **(NATIONAL/INTERNATIONAL CONFERENCES)** ***(Students/Faculty)***

- Dr. K Praveen, Assistant Professor, Department of Civil Engineering has published a paper on “Assessment of environmental flow using hydrological methods in the Gandak river, Bihar – A Case Study” in the Journal of “Indian Journal of Environmental Protection” Volume 44, No. 13, Special Issue 2024.
- G Gnana Prasanna, Assistant Professor, Department of Civil Engineering has published a paper on “Shear Strength Behavior of the Flyash-TreatedLime Columns on Expansive” in the Proceedings of the Indian Geotechnical Conference 2022, Volume 4.
- Kamineni Jagath Narayana, Ramesh Gupta Burela published an ESCI article titled “ Modeling, fabrication, and burst testing of type-IV 3D printed plastic liner composite overwrapped pressure vessels. International Journal on Interactive Design and Manufacturing (IJIDeM). <https://doi.org/10.1007/s12008-024-01885-0>.
- Dr K. Venkateswara Raju, Professor of Mathematics, has published paper entitled “Analysis of Free Convective flow of Nanofluid due to Inclined Surface with Thermos- Diffusion Effects and Chemical Reaction.” With DOI: <https://doi.org/10.1016/j.triboint.2024.109792>.
- Dr. P.Sreenivasulu, Professor of Mathematics, has published paper entitled “Two-phase numerical simulation of thermal and transport exploration of a non-Newtonian Nano-material flow past a stretching surface with chemical reaction” with <https://doi.org/10.1515/phys-2024-0036>.
- Dr. S. Bala krishna, Associate Professor of Mathematics, has published entitled “Integration of Conjugacy over Non-Commutative Ring in Digital Signature Mechanism” with IEEE Xplore Part Number: CFP24UD1-ART; ISBN: 979-8-3503-7274-8.
- Dr. L.Narendra Mohan, Professor of Mathematics, has published entitled “Integration of Conjugacy over Non-Commutative Ring in Digital Signature Mechanism” with IEEE Xplore Part Number: CFP24UD1-ART; ISBN: 979-8-3503-7274-8.
- Dr.P.Sreenivasulu, Professor of Mathematics, has published paper entitled “Effectof incline lorentzian force on radiated nanoflow Williamson model under asymmetric energy source/sink:kellar box method.” with [pubs.aip.org/aip/apm](https://pubs.aip.org/aip/apm).
- Dr.L. Narendra Mohan, Professor of Mathematics, Published paper with the title of “Novel Digital Signature scheme on Non-Commutative Rings Using Differential Polynomials in Conjugacy Problem” and published at journal of Integrated Science and Technology, <http://pubs:thesciencein.org/jist>.
- Dr.P. Sreenivasulu, Professor of Mathematics, Published paper with the title of “Two-Phase numerical simulation of thermal and solutal transport exploration of a Non-Newtonian nano material flow past a stretching surface with chemical reaction ” and published at Open Physics 2024 -[http://doi.org/10.1515/phys-2024-0036](https://doi.org/10.1515/phys-2024-0036).
- Dr.S.Balakrishna, Professor of Mathematics, Published paper with the title of “Application of Artificial Neural Networks Modeling for Analyzing Non- Newtonian fluid flow over porous media with an induced magnetic field” and published at American Scientific Publishers-Journal of Nanofluids- doi:10.1166/jon.20242164.

- Dr. Y. P. Sai Lakshmi, an Associate Professor at Sri Venkateswara College of Engineering, presented a paper titled "Innovation Management Driven by AI" at the 2024 International Conference on Communication, Computer Sciences and Engineering. This research explores approaches to leverage AI for long-term competitive advantage in businesses. You can find the paper at [DOI: 10.1109/IC3SE62002.2024.10593480].
- Dr. S. Sudhakar Reddy, Professor, published a paper titled "Exploring Applied Nonlinear Analysis and Machine Learning in the Evolution of Blockchain Technology" in Communications on Applied Nonlinear Analysis, ISSN: 1074-133X, Vol. 31, No. 7s (2024). [www.internationalpubls.com/index.php/cana](http://www.internationalpubls.com/index.php/cana).
- Dr. P. Sreenivasulu, Professor, published a paper titled "Statistical Investigation of Heat Transfer Efficiency on a Ternary Nanoflow Over a Stretching Surface" in Case Studies in Thermal Engineering, Vol. 61 (2024), DOI: 10.1016/j.csite.2024.104958.
- Dr. S. Sajida, Associate Professor, presented a paper titled "A New Dimensionality Reduction Technique for Machine Learning Datasets" at the International Conference on Advances in Computer Engineering & Communication Systems (ICACESCS 2024) held from 8th to 9th August 2024.
- B. Vijaya, K. Kavitha, and N. Narayananamma presented a paper titled "IoT-Based Machine Learning Approaches for Enhanced Crop Yield Prediction" at the National Level Conference on Chip Design and IoT Applications, held from 30th to 31st August 2024 at SVCE.
- Dr. Keerthipati Kumar, Associate Professor from CSE (DS) and D. Lavanya, Assistant Professor from CSE(DS) attended the National Conference on "CHIP-DESIGN AND IOT APPLICATIONS" (NCCDIA-2024) paper titled "Machine Learning-Driven Intelligent System Design for Malware Detection in Internet of Things (IoT)" at SV College of Engineering in association with Department of Electronics and Communication Engineering.
- Dr. Keerthipati Kumar, Associate Professor, CSE (DS), and D. Lavanya, Assistant Professor, CSE (DS) attended the National Conference on "CHIP-DESIGN AND IOT APPLICATIONS" (NCCDIA-2024) and presented a paper titled "Machine Learning-Driven Intelligent System Design for Malware Detection in Internet of Things (IoT)" at Sri Venkateswara College of Engineering.
- K V L Keerthi, Department of Electronics and Communication Engineering, "Road Pothole Detection Using Multiregional Feature Matching," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- A. Krishna Mohan, Department of Electronics and Communication Engineering, "Chemical Detection System for Safe Consumption of Fruits and Vegetables," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. V. Madhurima, Department of Electronics and Communication Engineering, "Enhanced Distributed Arithmetic with Optimized Memory Usage in DTCWT Architecture for Image Processing: An FPGA Implementation," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.

- Dr. C. Padma, Department of Electronics and Communication Engineering, “Implementation of 64-bit High-Speed Counter with Novel LFSR State Extension,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- M. Vasudevareddy, Department of Electronics and Communication Engineering, “Image Improvement in Low Light Using CNN Technique,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. CH Pallavi, Department of Electronics and Communication Engineering, “Implementation of Smart Crop Monitoring System Using IOT for Farming Applications,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. S. Slama, Department of Electronics and Communication Engineering, “Compact Microstrip Textile Spiked Antenna for Wi-Fi and ISM Band Applications,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. S. Slama, Department of Electronics and Communication Engineering, “Bending Assessment of Flexible Substrate-based Multi-Band Patch Antenna for Wireless Communication Applications,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. C. Raju, Department of Electronics and Communication Engineering, “Design of Low Power, High Gain, Low Noise Amplifier for WLAN Applications,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. K. Raveendra, Department of Electronics and Communication Engineering, “Designing a Differential Flip-Flop with Static Contention-Free Characteristics Utilizing GDI and Implementation in Clock Gating Technique,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. P. Sureshbabu, Department of Electronics and Communication Engineering, “IoT-Enabled Body Area Network (BAN) for Health Care Monitoring,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- N. Gunasekhar Reddy, Department of Electronics and Communication Engineering, “Design and Implementation of 32 Bit ALU for RISC V Processor,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. K. Upendararaju, Department of Electronics and Communication Engineering, “Implementation of a Full Adder Circuit Based on Transmission Gates and Conventional CMOS Technology,” presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.

- Dr. G. Padmapriya, Department of Electronics and Communication Engineering, "Vedic Mathematics Based Implementation of RISC Processor," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. T. Kaliraja, Department of Electronics and Communication Engineering, "Waiting Time Display System at Railway Gates for Real-Time Applications," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. K. Mahesh Babu, Department of Electronics and Communication Engineering, "Reconfigurable Circular Ring Combined with Dual Psi Shaped Patch Antenna for WLAN, Wi-Fi, WiMAX and IoT Applications," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. C. Chandrasekhar, Department of Electronics and Communication Engineering, "FPGA-Supported HDL Approach to Implement Reversible Logic Gate Based-ALU," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- M. Mahesh, Department of Electronics and Communication Engineering, "Low Power Dadda Multiplier Using Approximate Almost Full Adder and Majority Logic Based Adder Compressors," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. K. Mahesh Babu, Department of Electronics and Communication Engineering, "Coplanar Waveguide Fed Loop Shaped Patch Antenna with Incorporated Psi Shape for ISM Band, WLAN and C-band Applications," presented in the conference AICCT-2024 on 20-21 September 2024, organized by Springer & Mother Theresa Institute of Engineering & Technology, Palamaner.
- Dr. K. Venkateswara Raju, Professor of Mathematics, faculty, sri venkateswara college of Engineering, Tirupati presented papers on "Enhancing Object Detection with Efficient Det Using Moth Flame Optimization" and "Multimodal Alzheimer's Disease Diagnosis and Dense Networks using Cross Attention Transformers and Dense Networks with Dropout Regularization" at the DST SERB Sponsored 6th International Conference on Computer & Computer Technologies, organized by the Dept. of AI & ML, School of Computing, Mohan Babu University, A.P., from 04/10/2024 to 05/10/2024.
- Jasmine Sabrina's paper titled "Brain Cancer Detection Using a Fusion of Convolutional Neural Networks and Random Forests in Deep Vision Systems" was accepted for oral presentation and inclusion in the proceedings of the 5th International Conference on Sustainable Communication Networks and Applications (ICSCNA 2024), to be held on December 11-13, 2024, in Theni, Tamil Nadu, India.
- Dr. K. Praveen Presented a paper on "Assessment of Agricultural Drought" at the International Conference on Sustainable Practices and Advances in Civil Engineering.
- Dr. E.Sreedevi has presented a paper entitled "Privacy Preserving Hybrid Gentic Classifier Model Using Additive Perturbation Method" in the international conference on Sustainable Development: Generative AI and Multi-Disciplinary Strategies on 22, 23 December 2024.

## **NCC/NSS/SERVICE PROGRAMMES ORGANIZED**

- An "International Yoga Day" program was conducted on June 21, 2024, at Sri Venkateswara College of Engineering, Tirupati, in association with NSS, involving students, non-teaching staff, and faculty.



- A "Free Dental Camp" program was conducted on June 28, 2024, at Sri Venkateswara College of Engineering, Tirupati, organized by Firoz Dental Hospital in association with NSS, involving students, non-teaching staff, and faculty.
- An Awareness Program on "Anti-Drug and Anti-Tobacco" was organized in association with We Are With You Charitable Trust and the NSS Unit on 7th August 2024.
- Cancer & Tobacco Awareness Program was held on 8th August 2024, organized by Dr. Neeraja in collaboration with the Tata Cancer Foundation, Tirupati.
- Cancer and HPV Vaccine Awareness Program was conducted on 9th August 2024, also coordinated by Dr. Neeraja in association with the Tata Cancer Foundation, Tirupati.
- The NSS department at SVCE Tirupati has successfully collected a total of Rs. 46,000 to support Mr. V. Koushik, a student in need of a bone marrow transplant. The collected funds were handed over to his father to help alleviate the financial burden associated with the medical procedure. We extend our gratitude to all the faculty, staff, and students who contributed to this noble cause.
- On October 25th, a mega blood donation camp with the theme "Donate Blood and Save Lives" was conducted at SV College of Engineering.

## **IMPORTANT NATIONAL CONFERENCES / SEMINARS ORGANIZED**

- On June 15,2024, an Alumni webinar on the topic “Powering the Future with EV Technology” By S.Junied Arbaz,Research scholar in EICE at kyung University.
- On June 15, 2024, an Alumni webinar on the topic “Launching into IT-insights for juniors” By C Harika,Associate Software Developer Java.
- On 22-6-2024 an Alumni webinar on the topic “Innovating the Future from Electrical Engineering to Automation Pioneers” By N.Kusuma,Automation Application Engineer at Technologies Pvt.Ltd.
- On 8th August 2024: The Department of Civil Engineering organized an alumni seminar on Career Opportunities After Graduation for IV-year Civil Engineering students.
- Resource Person: Mr. C. Bhanu Prakash, IIT Madras.
- On 13th August 2024: The Department of Civil Engineering organized an alumni seminar on Preparation for GATE Exam for III-year Civil Engineering students.
- Resource Person: Ms. M. Pooja Sree, M.Tech, NIT Suratkal.
- On 19th & 20th August 2024: The Department of ECE, in association with IEEE ComSoc & SPS, organized multiple guest talks: Resume Building by Ms. C. Keerthi. Higher Studies Abroad in the Field of Communications by Mr. Tarun Naidu. Resume Building & Interview Techniques by Mr. B. Raviteja, System Engineer, Empower Solutions. Empowering Careers and Communities Through IEEE by Mr. M. Sai Prashanth, IEEE Representative. Why Choose IEEE Society by Mr. Gourav Pathak, Program Facilitator @ Unity LLP, Mangalore. Cyber Crime & Cyber Safety by Ms. Gunturu Renu, Chief Operating Officer, KAN Prokangno Innovation Pvt. Ltd.
- On 21st August 2024: An expert talk on Building Your Future: Diverse Programming Careers After B.Tech was held. Resource Person: Mr. S. Mani Mohan Trinath, GATE/ESE Trainer at ACE Engineering Academy.
- On 23rd August 2024: The Department of ECE organized an expert training session on Awareness on How to Crack Jobs in Various Sectors Through GATE. Resource Person: Mr. Trinath, ACE Academy. The Department of EEE organized a workshop on Accelerators/Incubation - Opportunities for Students & Faculties - Early-Stage Entrepreneurs. Guest Speaker: Dr. Kumar K, Associate Professor, Innovation Ambassador. The Department of S&H (Physics and Chemistry), in association with DST-SERB, organized the National Seminar on Nano Materials for Optoelectronic Device Applications (NMODA-2K24) from 23rd to 24th August 2024.
- On 24th August 2024: The Mechanical Department organized an offline guest lecture on Journey from Engineering to Manufacturing for III-year Mechanical students to provide knowledge on the transition of engineering concepts to manufacturing a product.
- On 27th August 2024: The Department of Civil Engineering organized an alumni seminar on Career Guidance to Different Fields After B.Tech for II-year Civil Engineering students. Resource Person: Mr. M. Reddy Sai, M.Sc, S.V. University.

- On 30th-31st August 2024: The Department of ECE, in association with DSIR, organized a national conference on Chip Design and IoT Applications. Chief Guest: Dr. Harikrishnan, CEO, Nano Chip Solutions, Bengaluru, Guest of Honor: Dr. Cyril Prasanna Raj. 60 papers were presented during the conference, and keynote addresses were delivered by domain experts.
- On 31st August 2024: An alumni talk on Pursue Your Passion was delivered by Lekhya Yerrabothu, Application Software Engineer, Mumbai. Faculty Coordinator: Dr. Shaik Rafi Kiran.
- On October 5th, 2024, alumni speaker C. Bindu Sree, a Graduate Engineer Trainee at Renault Nissan Technology and Business Center India, conducted a webinar titled "Steps to Achieve Goals."
- On October 19th, 2024, alumni speaker Supraja Mungi, a Graduate Engineer Trainee at Renault Nissan Technology and Business Center India, conducted a webinar on "Placement Preparation."
- On October 24th, 2024, III-year EEE students attended a seminar titled "From Campus to Career: Navigating Your Path to Success," presented by Pavan Sataluru, Associate Vice President of Information Security at Deutsche Börse AG, Frankfurt, Germany.
- On October 24th, 2024, III-year EEE students also participated in a webinar on placement awareness, focusing on test platforms and test patterns for MNCs, conducted by Mr. Hemanth J., Aptitude Trainer at ACE Engineering College.
- On October 25th, 2024, a technical talk was held on "Bidirectional Static Wireless Charging: A New Era for Electric Vehicles," presented by Dr. P. Srinivasa Nayak, Assistant Professor at NIT, Trichy.
- On October 26th, 2024, alumni speaker Nainaru Deepika, a Software Engineer at Tech Mahindra Pvt Ltd, conducted a webinar titled "Upskill Yourself to Crack the Job in Campus Placements."
- A Two-Day Seminar on "AI-Driven VLSI Design and Signal Processing" sponsored by DST-SERB was organized by the Department of ECE on October 4th and 5th, 2024.
- On November 2nd, 2024, alumni speaker S KAsiya, MS University of Strathclyde, Scotland, UK, conducted a webinar titled "Role of communication skills for an Engineering student."
- On November 2nd, 2024, alumni speaker Nainaru Deepika, a Software Engineer at Tech Mahindra Pvt Ltd, conducted a webinar titled "Upskill Yourself to Crack the Job in Campus Placements."
- On November 6th, 2024, EEE students attended a seminar titled "Innovations in electric vehicle Architecture optimizing performance through advanced battery management systems," presented by CH Krishnakanth, Head, Technical support EV vehicles, TATA motors, south India.
- On November 14th, 2024, III-year EEE students participated in a seminar on "Interview preparation for students" by alumni speaker K Megana, Associate software Engineer, Accenture, Bengaluru.
- On November 15th, 2024, EEE students participated in a seminar on "Effective Test taking strategies" by alumni speaker S Sailaja, Associate software Engineer, Accenture, New Delhi.
- On November 16th, 2024, EEE students attended a seminar titled "Technical Internships and opportunities in PSUs," presented by S Hima teja, project assistant, Aeronautical development agency minister of defence, Bangalore.

## **CO - CURRICULAR ACTIVITIES CONDUCTED**

- The IIC-SVCE, in collaboration with the CSE Department, organized a "Session on Innovation and Start-Up" on June 21, 2024.
- Department of ECE in association with IETE & PACEorganized an event “VALINDANT 2024”.The students participated in various technical and non technical activities
- a) Events Held:
  1. Brain Bites
  2. Hi-Tech
  3. Code Conclave
  4. Circuit Quest
  5. Solve The Puzz
  6. Balloon Balance
  7. Mannequin Pose
- Department of ECE in association with IETE & PACEorganized an event “Valdectory session” on 25-06-2024The students were distributed prizes for events conducted under IETYE/PACE associations.
- 1st Graduation day for 2024 passed out batch has been conducted in SVCE campus in grand manner. Over 500 students received Graduation awards and 7 students received Gold medals for their outstanding performance in academics from Honourable Vice Chancellor of JNTUA Prof H Sudarsana Rao, Anantapur.Chief guest being Prof Budda Chandrasekhar Chief coordinating officer, AICTE, Ministry of Education, New Delhi. AICTE and Dr M Venkateswar Rao, Principal Kalikiri JNTU Nominee.
- The Institution's Innovation Council (IIC) of SVCE Tirupati is organizing "Avinya 3.0," an innovative business proposal competition. The event will take place on July 25, 2024, from 10 AM to 4 PM at the Placement Seminar Hall. Coordinated by Dr. S. Kalesha Masthan Vali and Mr. Nagaraju Naidu, this competition aims to ignite innovation among participants.
- Naandhi Program for all 1st-year students was conducted on 19th August 2024. The orientation for incoming B.Tech students of ECE, EEE, MECH, and CIV branches was a great success, marking the beginning of their academic journey. The event was held on 9th August 2024.
- Orientation for 2nd-year Lateral Entry Students was held on 23rd August 2024.
- Induction Program for Freshers 2024 featured a series of sessions focused on emotional intelligence, adventure, and goal setting. Esteemed speakers such as Mr. Vamsi Krishna, Mr. Bhanu Prakash, and Dr. Sreedhar led discussions on "Embrace Your Mind: The Key to Emotional Intelligence," "Make Life an Adventure," and "The Importance of Goal Setting." The sessions were conducted on 12th, 13th, 19th, 20th, 22nd, and 23rd August 2024 in the Auditorium.
- SVCE Tirupati Council Oath Ceremony: On 31st August 2024, 6 council presidents and their members took the oath, marking a new chapter in student leadership to enhance student life and community collaboration.
- The Innovation & Entrepreneurship Outreach Program for Schools and the Community was organized by the Institution Innovation Council (IIC) in association with the Department of MCA on 31st August 2024.

- Engineer's Day (5th September 2024) - The Department of IT celebrated Engineer's Day in memory of Sri Mokshagundam Visveswarayya Garu. A technical quiz was conducted for all B.Tech students, and prizes were distributed to the winners.
- Technical Association Inauguration (21st September 2024) - The Department of ECE, in association with IETE/PACE, conducted the inauguration session of technical associations.
- Engineer's Day Events (13th September 2024) - The Department of ECE, in association with IETE/PACE, organized technical events on the occasion of Engineer's Day
- On September 20, 2024, the Department of Mechanical Engineering organized an Industry-Academia Engagement with Sreenidhi Raja Packing Solutions in Tirupati, as part of an initiative led by the Confederation of Indian Industry (CII) and the Indian Women Network (IWN) Andhra Pradesh, aimed at fostering collaboration between industry and academia.
- On September 21, 2024, a Freshers' Day activity was conducted for the newly admitted B.Tech I Year and II Year students.
- On 13.09.2024, internal smart India hackathon conducted by svce Tirupati 55 teams participated for presenting ideas. Jury members suggested modifications for submitting SIH 2024. Organized by Institute Innovation council.
- On 30.09.2024, MBA, MCA orientation program for A.Y 2024-25 admitted students.
- On 13th September 2024, SVCE Tirupati proudly hosted Shakthi - The Power Hidden Within Women, an empowering event focused on women's self-awareness and protection. The inspiring voices and performances made it a memorable celebration of strength and unity.
- Mechanical Department has organized the “Engineers Day” event on Sep 15, 2024. As a part of the program, department has organized events such as Paper presentation, Poster presentation, Quiz, Project Expo etc. by involving all students of mechanical engineering. The students have participated and made the event grand success. The following are some of the photos of the event.
- The Mechanical Department organized the Engineers' Day event on 15th September 2024, featuring activities like paper presentations, poster presentations, quizzes, and a project expo. Students actively participated, making the event a grand success.
- On October 4th, 2024, the Department of ECE organized a Guest Lecture on Digital Circuit Design for second-year Electronics and Communication Engineering (ECE) students. Dr. K. Ravindranth, Research Consultant at Hyper Zebras, Bangalore, delivered the lecture.
- Department of INFORMATION TECHNOLOGY has conducted INFOTSAV 2K24 on 05-10-2024. Different events were conducted for students and prizes were distributed to the winners.
- World Space Week 2024 was organized by the Department of ECE in association with ISRO-SHAR Centre on October 7th and 8th, 2024. Various competitions like elocution, prototype modeling, and a quiz were held. ISRO authorities presented videos and rocket models, while expert lectures enlightened students on space technologies.
- On October 19, 2024: The Department of Mechanical Engineering, SVCE, Tirupati, organized an industrial visit to Amara Raja Battery Division for second-year students to gain an understanding of battery manufacturing.

- On October 26th, 2024, an Ayudha Pooja and Dandiya event was held for all students.
- On October 28th, 2024, third-year B.Tech students went on an industrial visit to the Srisailam Hydel Power Plant.
- A Program “Association of Computer Science Agile (ACSA)” conducted for CSE students on 29 Oct 2024
- Department of INFORMATION TECHNOLOGY has conducted INFOTSAV 2K24 on 05-10-2024. Different events were conducted for students and prizes were distributed to the winners.
- On November 4th, 2024: II-year B.Tech students went on an industrial visit to the Somasilla Hydel Power Plant.
- On November 6th, 2024: MBA students Industrial Visit to Coca-Cola Industry.
- On November 16th, 2024: SVCE Alumni Meet 2024.
- On November 19th, 2024: III ECE students went for an industrial visit to SHAR Centre.
- On 20-21 Nov 2024: Tech Spark 2024, organized by the Department of SVCE in association with SVCE-Student Affairs Committee (SAC).



- On November 22nd, 2024: III ECE students went for an industrial visit to NARL, Gadanki.
- MBA & MCA Students has actively participated in “Fresher Day” on 27-12-2024.
- The Department of Mathematics organized National Mathematics Day on the occasion of birth anniversary of Srinivasa Ramanujan, the Indian legendary mathematician. To make aware of his significant contributions to the world of mathematics, conducted the events such as Quiz, Puzzles, Oral speech, essay writing and Poster presentation. We invite all the students of I B. Tech and I MCA to take part of this event utilize this opportunity

## **BOOK/BOOK CHAPTERS PUBLISHED IN THIS MONTH (Faculty)**

- Dr K. Venkateswara Raju, Professor of Mathematics, has published the book, “A TEXTBOOK OF NUMERICAL METHODS” in Infinite Research publishers with ISBN: 978-81-972819-0-7.
- Dr K. Venkateswara Raju, Professor of Mathematics, has published the book, “Ordinary Differential Equations” in Infinite Research publishers with ISBN: 978-81-972819-4-5.
- Dr.Toopalli Sirisha and G. Githanjali Jain Published a book chapter “Enhancing Lead Generation Strategies For Improved Performance in Tamil Nadu Hospitality Sector” Published byBhumi publishing, Beyond Boundaries: Research in Humanities, Social Sciences, Commerce and Management Volume II ISBN: 978-93-.
- In September 2024, Dr. Keerthipati Kumar, an Associate Professor in the Department of Computer Science and Engineering (Data Science) at Sri Venkateswara College of Engineering, published a book titled "Cyber Forensics Fundamentals." The book was released by Scientific International Publishing House (SCIPH), with the ISBN 976-93-6674-149-9.
- V. Lakshmi Devi & K. Kumar (2024). Professor, Dept of Electrical and Electronics Engineering Battery Technology Handbook: Classification, Control, and System Integration – Comprehensive Guide to EV Battery Design and Management Systems. ISBN: 9798895567876.
- Dr. M. Indupriya, Associate Professor of Chemistry, faculty, sri venkateswara college of Engineering, Tirupati published a book chapter titled "Synthesis and Characterization of Copper Nanoparticles Using Different Medically Important" with ISBN 978-93-85882-65-4.
- Dr. M. Vamsi Krishna, Professor, Department of Mechanical Engineering, faculty, sri venkateswara college of Engineering, Tirupati SVCE Tirupati published a book titled "Recent Trends, Techniques, and Applications of AI, ML, and IoT" by Scientific International Publication House with ISBN 978-93-6674-640-1.
- Dr K. Venkateswara Raju, Professor of Mathematics, faculty, sri venkateswara college of Engineering, Tirupati has published a book “GRAPH THEORY AND ITS APPLICATION” at Scientific International Publishing House with ISBN: 978-93-6674-033-1.
- Mrs M.Swarnalatha, Assistant professor faculty, sri venkateswara college of Engineering, Tirupati completed Viva-Voce of Ph.D Degree from Presidency University, Bengaluru Title: “Meta Heuristic method Approaches for Localization in Wireless Sensor Networks” under the guidance of Prof. K Bhanu Rekha
- "Introduction to Mechanical Engineering" by Dr. V. Ajay, Dr. Venkata Kondalah E, Mr. B. Perumal, and Mr. D. Anjan Kumar Reddy faculty of Mechanical Engineering Department, SV College of Engineering, Tirupati). ISBN: 978-93-6674-822-1

## **BOOK/BOOK CHAPTERS PUBLISHED IN THIS MONTH (Faculty)**

- "Applications of Machine Learning in Power Electronics for Integration of Renewable Energy Sources" by Dr. Kumar K and Dr. V Lakshmi Devi Professor SV College of Engineering, Tirupati). ISBN: 9798896101857
- "Environmental System Analysis" by Dr. M. Chittaranjan Professor, Department of Civil Engineering, SVCE. ISBN: 978-93-93658-46-5
- "Soil Mechanics" by Dr. M. Chittaranjan. Professor, Department of Civil Engineering, SVCE Published by Scientific International Publishing House. ISBN: 978-93-6674-455-1
- K.Sreedevi has successfully published a patent "Real-Time Assessment and Feedback in Education with Leveraging Multimodal AI with Augmented Reality for Skill Mastery", Application No.202441093461 A, Publication Date: 06/12/2024.
- Mrs K Amala, Assistant Professor in ECE dept published a book chapter entitled "Convolutional Neural Network for Classification of Image-Based Malware: A Deep Learning Approach" 978-981-99-2832-3- pp 469–480.

## AWARDS

- Mr. B.Lakshminarayana Reddy, Assistant professor faculty, sri venkateswara college of Engineering, Tirupati completed Viva-Voce of Ph.D Degree from Andhra University(AU),Vishakhapatnam for his research work entitled "Advanced Detection and categorization of Caprine Parasites using Deep Learning Approaches" under the guidance of Prof.
- Dr. Kasa Sudheer, a faculty member of the EEE Department at Sri Venkateswara College of Engineering, Andhra Pradesh, participated in a AICTE sponsored program on Artificial Intelligence and Data Science at the Indian Institute of Information Technology (IIIT), Kottayam.
- Dr. Vamsi Krishna Mamidi, and D Anjan Kumar Reddy a faculty member of the Mechanical Engineering Department at Sri Venkateswara College of Engineering, Andhra Pradesh, participated in a AICTE sponsored program on Data Science at the Indian Institute of Technology (IIT), Bhilai.
- Venkata Kondaiah E, a faculty member of the Mechanical Engineering Department at Sri Venkateswara College of Engineering, Karakambadi Road, Tirupati, Andhra Pradesh, participated in a AICTE sponsored program on the Internet of Things at the Indian Institute of Information Technology, Design & Manufacturing (IIITDM), Kurnool.
- Dr M Chittaranjan a faculty member of the Civil Engineering Department at Sri Venkateswara College of Engineering, Karakambadi Road, Tirupati, Andhra Pradesh, participated in a AICTE sponsored program on the Internet of Things at the Indian Institute of Information Technology, Design & Manufacturing (IIITDM), Kurnool.
- Dr Y. Venkata Krishna Reddy, and Dr S Sudhakar a faculty member of the EEE Department at Sri Venkateswara College of Engineering, Andhra Pradesh, participated in a AICTE sponsored program on the Internet of Things at the Indian Institute of Information Technology, Design & Manufacturing (IIITDM), Kurnool.
- Dr. Kumar K., and Dr. R. Sireesha, a faculty member of the EEE Department at Sri Venkateswara College of Engineering, Andhra Pradesh, participated in a AICTE sponsored program on Artificial Intelligence at the Indian Institute of Technology (IIT), Kharagpur.
- For the period from January to June 2024, Sri Venkateswara College of Engineering, Tirupati, saw significant participation in various courses offered by NPTEL-SWAYAM. A total of 590 students took part in the exams, achieving noteworthy results. Out of these, 275 students were awarded Elite certificates, 11 students received Elite Gold certificates, and 96 students earned Elite+Silver certifications. Additionally, 208 students successfully completed the courses.
- Mr P Suresh Babu Assistant Professor , Department of ECE Successfully completed Ph D Viva at SV University Tirupati.

## AWARDS

- Dr. M.Neeraja Reviewer board member of International Journal of Research and Innovation in Social Science (IJRISS), profile (<https://www.rsisinternational.org/>).
- Dr. S. Gautami Received a certificate of completion from the National Institute of Securities Markets (NISM) online certificate course SEBI - Investor Certification Examination on 30 th June 2024.
- 3.Mr C Madhu Assistant Professor, Department of ECE Successfully completed Ph D Viva Voce at VIT, Vellore on 30-07-2024
- 7th August 2024: Mr. Charan Theja P was recognized with a certificate of excellence in peer reviewing for his outstanding contribution to the quality of a book by BP International.
- 5th to 10th August 2024: Dr. T. Sireesha received the International Best Presentation Award for her paper titled "Unravelling Workplace Stress: A Comprehensive Study of IT Industry Employees in Tamil Nadu, India" at the 11th International Virtual Congress. The event, organized by the International Science Community Association, focused on the theme Global Research: Innovate, Integrate, Motivate.
- 18th August 2024: Dr. K. Sudheer received the BEST Paper Award at the ICRP-2024 Springer International Conference, MAIT, New Delhi.
- September 10, 2024: Dr. CH Pallavi, Assistant Professor, successfully completed the Viva-Voce for her Ph.D. degree from S.V. University, Tirupati, on the topic "High Speed Underwater Optical/Acoustic Communication through a Novel Hybrid MIMO-OFDM based Opto-Acoustic Modem."
- September 18, 2024: Dr. K. Anantha Kumar, Associate Professor of Mathematics, was recognized as one of the Top 2% Scientists announced by Stanford University for the year 2024.
- September 18, 2024: Dr. K. Upendra Raju, Associate Professor, received appreciation for serving as a Reviewer for the IEEE International Conference CVMI at IIIT Jhalwa, U.P.
- Dr. V Lakshmi Devi received The Best Teacher Award by Acharyadevabhava Ouraskaram - Organized by Yuvatejam Trust on 14-09-2024.
- Dr.kumar received The Best Teacher Award by Acharyadevabhava Ouraskaram - Organized by Yuvatejam Trust on 14-09-2024.
- Dr. Shaik Rafi Kiran received Best Researcher Award by International conference on Trends in Medical, Technology, Management (ICTMTM) Cum Sarvepalli Radhakrishnan Award Ceremony 2024 on 15-9-24.
- Dr. K. Venkateswara Raju, Professor of Mathematics, faculty, sri venkateswara college of Engineering, Tirupati has been awarded the "Research Excellence Award" by the SIDVI FOUNDATION at an international award ceremony held on the Birth Anniversary of Bharat Ratna Dr. Sarvepalli Radhakrishnan.

## AWARDS

- Dr. K. Venkateswara Raju, Professor of Mathematics, faculty, sri venkateswara college of Engineering, Tirupati has been awarded the "BEST HOD Award" by the SIDVI FOUNDATION at an international award ceremony held on the Birth Anniversary of Bharat Ratna Dr. Sarvepalli Radhakrishnan.
- Dr. Rajesh faculty, sri venkateswara college of Engineering, Tirupati received an appreciation letter for taking a part a part as resource person for one day webinar on "Exploring new developments cutting edge research perspectives in Mechanical Engineering" by Sree Rama College of Engineering, Tirupati, on Oct 5<sup>th</sup> 2024.
- Dr M Vamsi Krishna, Professor, Dept of Mechanical Engineering, faculty, sri venkateswara college of Engineering, Tirupati SVCE selected as an external examiner to evaluate the Ph.D. thesis of Vels Institute of Science, Technology & Advanced Studies (VISTAS), Chennai-600 117.
- On October 19th, 2024, Dr. K. Sudheer faculty, sri venkateswara college of Engineering, Tirupati received the Kalam National Fellowship Award for his excellent service to the nation.
- Mr. B. Lakshmi Narayana Reddy faculty, sri venkateswara college of Engineering, Tirupati has been awarded a Doctor of Philosophy (Ph.D.) degree in Instrument Technology by Andhra University for his thesis titled "Advanced Detection and Categorization of Caprine Parasites Using Deep Learning Approaches." The award was announced on October 25, 2024.
- Ms. T. Swarna Latha faculty, sri venkateswara college of Engineering, Tirupati successfully defended her Ph.D. thesis titled 'Meta Heuristic Method Approaches For Localization In Wireless Sensor Network' on October 21, 2024, and was awarded the Doctor of Philosophy degree by Presidency University
- Mr. M Srikanth of III ECE, got IEEE SPS society best student volunteer award on the occasion of IEEE international Conclave-2024 held at Hyderabad
- IEEE-SPS society connected with ECE department got Emerging chapter Award during IEEE international Conclave-2024 held at Hyderabad



- Dr K. Venkateswara Raju, Professor of Mathematics, got Reviewer Certificate from Scientific reports of Springer nature on 09th Nov-2024.
- Dr K. Venkateswara Raju, Professor of Mathematics, got Certificate of Excellence in peer-reviewing from BP International on 11th Nov-2024.

## AWARDS

- Dr V Lakshmi Devi, Dr P Suresh, Mrs P Suneetha, Professor, Dept of EEE has successfully completed six months AICTE-QIP-PG certificate programme in Blockchain and Data Science during July 2024-December 2024 at IIT Patna.
- Dr. K Sudheer, Professor, Dept of EEE has successfully completed six months AICTE-QIP-PG certificate programme in Artificial Intelligence and Data Science during July 2024-December 2024, IIT Kottayam.
- Dr. Vamsi krishna mamidi, Mr D Anjan Kumar Reddy, Professor, Dept of Mechanical Engineering, has successfully completed six months AICTE-QIP-PG certificate programme in Data Science during July 2024-December 2024, IIT Bhilai
- Dr M Chittaranjan, Professor, Dept of civil Engineering Dr E Venkata kondaiah, Professor, Dept of Mechanical Engineering Dr Sudhakar, Dr Krishna Reddy Dept of EEE, has successfully completed six months AICTE-QIP-PG certificate programme in Data Science during July 2024-December 2024, IIITDM-Kurnool.
- Certificate of Excellence awarded to Dr. N Rajesh, associate professor, Dept of Mechanical Engineering, sri venkateswara college of engineering, tirupati, for receiving the Best Paper Award at the Mechanical Engineering International Conference (MEICON 1.0) on Advancements, Innovations, and Automation for Sustainability - 2024. The award was given for the research paper titled "A Comparison of Hardness and Wear Behaviour of Two 3D Printed Materials and Its Optimization", presented at the conference held on December 19-20, 2024, at O. P. Jindal University, Raigarh, C.G., India.
- Dr. Vamsi Krishna Mamidi and D. Anjan Kumar Reddy affiliated with SVCE, Tirupati, secured second place in the Quiz Competition organized by the Department of Mathematics, IIT Bhilai, on December 19, 2024, in celebration of the 137th Birth Anniversary of Shri Srinivasa Ramanujan
- Dr. M. Chittaranjan, Professor & Head, Department of Civil Engineering is recognized as NPTEL BELIEVER JUL-DEC 2024
- Dr. V.Lakshmi Devi, Prof & HoD Dept of EEE, Dr M Chittaranjan Prof & HoD Dept of Civil Engg, Dr M Vamsi Krishna Prof , dept of ME, Dr E Venkata Kondaiah, Assoc. Prof, Dept of ME, D.Anjan Kumar Reddy Asst. Prof, Dept of ME, attended facilitation program at AICTE,New Delhi for successful completion of PG certification AICTE,IIT Patna.
- Dr. K. Praveen, Assistant Professor, Department of Civil Engineering is awarded as recognised reviewer (silver) in contribution to EVERGREEN.
- Mr. E Ananth Shankar Assistant Professor ECE department conferred with doctoral degree by SV University, Tirupati under the guidance of Dr S Varadarajan Professor SVU Tirupati on 01-02-2025.

## AWARDS

- Dr. Rajesh, received best paper award for the research article titled “A Comparison of Hardness and wear behaviour of 3D printed materials and its optimization”, OP Jindal University, Dec 19 2024.
- SVCE proudly hosted the Pinning Ceremony of the University Innovation Fellows (UIF), Stanford University, honouring our students who have completed this prestigious program. Fellows Honoured:
  - ◆ Theertham Rajasri - 21BF1A05G3 (CSE)
  - ◆ Poreddy Keerthana Reddy - 219E1A3384 (CSM)
  - ◆ Kotte Puneeth Reddy - 21BF1A04K0 (ECE)
  - ◆ Settupalli Tirumala Gopinadh - 21BF1A05F0 (CSE)



**SVCE TIRUPATI**  
EDUCATION FOR A BETTER SOCIETY

**CONGRATULATIONS**  
**to our Class of 2024**

Your hardwork has paid off, Sky's the limit now!

*Join us in celebrating our*

**1<sup>st</sup> Graduation Day**  
**at SVCE**



Date: 31<sup>st</sup> July 2024 | Time: 9AM Onwards | Venue: SVCE Auditorium

 Karakambadi Road, Tirupati

 Call to find out more: +91 8886644985

 Visit our website [www.svce.edu.in](http://www.svce.edu.in)

## **SPORTS**

- V. Sai Nishitha, chess winner from SVCE, was awarded first place in the chess tournament conducted at PBR VITS, Kavali, from 13 September 2024 to 15 September 2024.
- S. Harinanth, S. Venky, C. Jyothi Prasad, A. Muni Kumar Raja Reddy, E. Soma Sekhar Reddy, B. Thejeswar, M. Paramesh Kumar Reddy, V. Santhosh, D. Mohan Sai, and M. Leela Krishna of SVCE were awarded first place in the basketball tournament conducted by PBR Visvadaya Institute of Technology and Science at PBR VITS, Kavali, from September 13 September 2024 to 15 September 2024.



## ***FDPs ORGANIZED***

- Department of ECE in association with R & D organized an a guest talk on “Research and Development Proposal-Insights” for the faculty of various departments on 23-07-2024.The resource person being Dr Muruganantham, Professor in EEE,M. A. M College of Engineering &Technology Tirucunapalli-621105.
- AICTE-ATAL Academy Sponsored Six Day Faculty Development Programme on “Artificial Intelligence, Machine Learning and Data Science with Research Applications” organized in the Department of CSE at SVCE from 21-26 Oct 2024.



- successfully organized AICTE & ATAL sponsored online SIX DAYS Faculty development programme on the theme "Machine Learning Through the Lens of Mathematics" from 23 December 2024 to 28 December 2024.
- A Two-Day Seminar on “AI-Driven VLSI Design and Signal Processing” sponsored by DST-SERB was organized by the Department of ECE on October 4th and 5th, 2024.

