

## Editorial Board

### Chief Patron:

Vasireddy Vidya Sagar - Chairman

### Patron:

Dr. Y. Mallikarjuna Reddy – Principal

### Chief Editor:

Dr. V. Ramachandran - Professor & HOD

### Editorial Team:

1. Dr. G. Sanjay Gandhi - Professor - CSE
2. Mr.P.R. Krishna Prasad – Assoc.Prof –CSE
3. Ms. B. Padma Sree –Asst. Prof - S&H

HOD's Message

Dear Readers....!

Celebrating a triumphant moment for VVIT, our CSE students clinched the first prize at the VR Siddhartha 24-Hour Hackathon, showcasing exceptional skills and teamwork. Led by V. Gnana Chandra, P. Varshith, Sk. Ahmad Nawaz, and T. Vijay Kumar Reddy, their achievement underscores our commitment to fostering excellence. This success highlights the dedication of students and faculty members alike, supported by the entire VVIT community. Let's continue to inspire and empower each other in our pursuit of innovation and collaboration.

In conclusion, this victory exemplifies VVIT's dedication to nurturing talent and fostering a culture of excellence. Let's build upon this success and continue striving for greater achievements together.

## VVIT CSE Students Clinch First Prize at VR Siddhartha 24-Hour Hackathon

VVIT students continue their winning streak, shining brightly at the Tech Marathon 2023 organized by the Department of Information Technology (IT). This remarkable **24-hour hackathon**, held during Innovations Day at VR Siddhartha Engineering College, Vijayawada, showcased the immense talent and perseverance of our students. Students of CSE department: V. Gnana Chandra, P. Varshith, Sk. Ahmad Nawaz, T. Vijay Kumar Reddy. Their exceptional skills, innovation, and teamwork secured the first prize. A consolation prize was also awarded to the students of VVIT.



Team Members: V. Gnana chandra, P. Varshith, Sk.Ahmad Nawaz, T. Vijay kumar Reddy



Team Members: R. Sai Praveen, P. Chandra Prakash Babu, P. Surya, Sk. Sajid

## One-Week on 'Recent Trends in Emerging Technology'

The IEI Student Chapter Annual Tech Fest 2K23, hosted by the EEE Department, showcased students' technical finesse, innovative spirit, and deep knowledge through four captivating competitions: Blindfolded Circuits, Fusion Vision, Component Caper, and Optic Mystery. Held on October 5th and 6th, this event was a platform for budding engineers to display their prowess in diverse EEE domains.



## Inspiring Innovation: Prof. Krishna Vedula's Transformative Teaching Session



IUCEE's Chief, Prof. Krishna Vedula, led a dynamic session inspiring innovative teaching methods. Engaging faculty members Mr. D. Murali Krishna Reddy, Mr. Md. Wasim Akram, Mrs. B. Lalitha Rajeswari, Mrs. B. Ramya Asha Latha, Mrs. G. Ramadevi, and Mrs. K. Sireesha, Dr. Vedula shared strategies to enhance engineering education's quality and global relevance. Covering Bloom's Taxonomy levels and educator roles, his insights into "MILY Teaching" left a lasting impression, fostering a new zeal for progressive teaching practices. Dr. Vedula's wisdom and IUCEE's mission to catalyze educational transformation left an

indelible mark, igniting a zeal for progressive teaching practices among the attendees.

His focus on Bloom's Taxonomy levels - from Remembering to Creating - and the nuanced roles of educators - Adyapak, Upadyay, Acharya, Pandith, Drishta, Guru - sparked introspection and inspired fresh perspectives on teaching methodologies. The concept of "MILY Teaching" (Most Important Learning Yesterday) further enriched the discourse, fostering an environment primed for innovation and effective knowledge dissemination.

## Insights from Vemula Naveen Babu: Alumni Talk Recap

The **Alumni Talk featuring Vemula Naveen Babu**, an experienced Full Stack Developer, unfolded as an insightful journey into the tech world's inner workings. Babu, with three years of industry experience, shared invaluable insights during the event held on **October 3rd, 2023**.

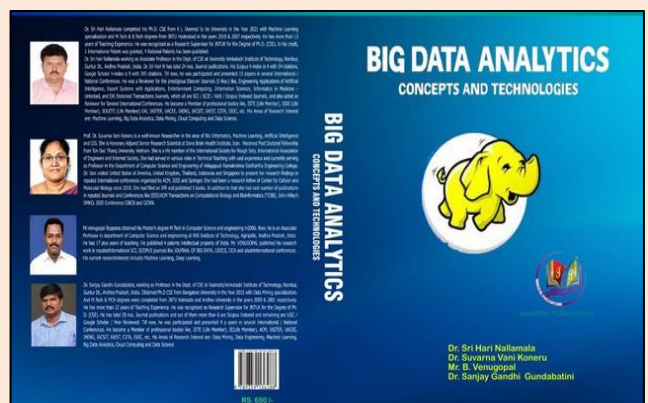
During the session, attendees gained access to Babu's extensive knowledge, career advice, and inspiring anecdotes from his professional trajectory. His expertise illuminated various facets of the tech industry, offering a deeper understanding of the challenges, opportunities, and strategies for success. Participants were encouraged to engage actively, bringing forth their inquiries and curiosities. Babu's talk resonated with aspiring professionals, offering a relatable perspective and practical guidance for navigating the ever-evolving landscape of technology.



## Book Release: 'Big Data Analytics - Concepts and Technologies' by CSE Faculty

The latest addition to the realm of technology and data science, "**Big Data Analytics - Concepts and Technologies**," has been released by distinguished faculty members of the Computer Science and Engineering (CSE) department. Authored by **Dr. Sri Hari Nallamala**, **Dr. Suvarna Vani Koneru**, **Mr. B. Venugopal**, and **Dr. Sanjay Gandhi Gundabatini**, this book delves deep into the intricacies of Big Data Analytics. With an ISBN of 978-93-5913-628-8, the publication promises to offer comprehensive insights into the core concepts and emerging technologies in the field.

This collaborative effort signifies the expertise and dedication of our faculty in contributing valuable resources to the domain of Big Data Analytics, paving the way for enhanced learning and understanding in this rapidly evolving field.





## Welcoming the Class of 2027: Fresher's Day Celebration!

It's time to roll out the red carpet and extend a warm welcome to the newest members of our esteemed institution! Join us as we celebrate **Freshers' Day for the Class of 2027** with great enthusiasm and joy. This special event is a fantastic opportunity for our incoming students to get acquainted with the vibrant spirit of our college community. It's a day filled with fun, excitement, and memorable experiences designed to kickstart your journey in higher education. From interactive sessions and ice-breaking activities to engaging performances and inspiring speeches, Freshers' Day promises an immersive introduction to campus life. This event is not just about marking the beginning of your academic journey but also about fostering connections, building friendships, and creating lasting memories.



## Celebrating Excellence: CSE Student Chosen as UiPath Student Developer Champion!

We are delighted to share remarkable news from our Computer Science and Engineering (CSE) department! One of our outstanding students, **Kavyasree Bandi**, has been selected as a **UiPath Student Developer Champion**. This prestigious achievement acknowledges Kavyasree's exceptional dedication and passion for automation and technology, setting her apart during a rigorous selection process.

While we eagerly anticipate the official announcement by the **UiPath team**, we kindly urge everyone to maintain confidentiality regarding Kavyasree's selection until the coordinated and seamless release. This ensures the excitement unfolds smoothly without unintended disclosures.



## Design Patent Grant Issued for Advanced Dual Authentication Entry System

We are thrilled to announce the issuance of a Design Patent Grant to Professor **G. Sanjay Gandhi** for the groundbreaking "Advanced Dual Authentication Entry System." This remarkable achievement signifies the recognition and protection of a cutting-edge innovation in the field of authentication technology.

Certified by the Patent Office of India under patent number 148094, this grant validates the design's uniqueness and originality. The patented system, jointly registered under the names of Dr. Swathi Nadipineni, Dr. N.Srinivas Rao, and **Dr. G. Sanjay Gandhi**, marks a significant milestone in the pursuit of secure and advanced authentication solutions.



## Krishna Priya Janjanam: Placement Success at BNY Mellon Technology

A moment of pride for the Computer Science and Engineering (CSE) Department as **Ms. J Krishna Priya**, an outstanding student, has achieved an exceptional placement at **BNY Mellon Technology**, securing a remarkable **package of 22 LPA**. Her selection stands as a testament to her dedication, hard work, and technical acumen, exemplifying the excellence nurtured within our department. This accomplishment not only reflects her individual success but also highlights the quality education and guidance provided by the CSE faculty. Congratulations to Ms. J Krishna Priya on this outstanding accomplishment, and we wish her continued success in her future endeavors!



## Explore Higher Education Opportunities: Seminar by Shimi Overseas Educational Consultancy

The recent seminar conducted by **Shimi Overseas Educational Consultancy** concluded with great success! Students engaged actively, clarifying their doubts and gaining comprehensive insights into the Higher Education Process and Visa Related Issues for prominent destinations like the USA, Canada, and the UK. During this informative session, experts from Shimi Overseas skillfully unraveled the complexities of pursuing higher education abroad. Attendees obtained valuable insights into application procedures, academic opportunities, and the nuances of visa requirements for these coveted educational destinations.

This event provided students with a platform to broaden their horizons and explore global educational pathways, benefiting from the expert guidance of Shimi Overseas Educational Consultancy.



## VIVA VVIT 2K23 – A Spectacular Celebration of Talent and Diversity

VIVA VVIT 2K23, held on December 21st and 22nd under the theme "**Unity in Diversity**," was a resounding success, embodying the true spirit of togetherness amid diversity. This celebration served as a melting pot of cultures, talents, and perspectives, showcasing the profound strength derived from unity. With an array of captivating performances, dynamic showcases, and engaging activities, students wholeheartedly embraced harmony and collaboration.



The theme, "Unity in Diversity," permeated every aspect of the fest, illustrating the beauty of embracing differences while fostering a sense of inclusivity and belonging. Notably, the event witnessed over **4000+ registrations** from students across various colleges, showcasing their enthusiasm and participation in the diverse range of technical and non-technical events organized by different bodies. The crowning moment arrived on the **Annual Day, December 23rd**, graced by the esteemed presence of VVIT alumni. Their participation added a nostalgic touch, enriching the celebration and emphasizing the enduring impact of VVIT's legacy. Though the event has concluded, its lasting impact will continue to resonate, inspiring our community to cherish diversity and promote unity in all endeavors.



**William Oakes**, an advocate for engineering's role in community service, graced our college on **November 29, 2023**. During his visit, Oakes passionately highlighted global challenges faced by communities worldwide, underscoring the pivotal role of engineers in addressing these issues. Through initiatives like **EPICS (Engineering Projects in Community Service)**, he emphasized the power of integrating engineering education with community service.

Assistant Dean for Experiential Learning

Director, EPICS Program

150th Anniversary Professor

Professor, Engineering Education

**Education**

Ph.D., Mechanical Engineering, Purdue University

M.S., Mechanical Engineering, Michigan State University

B.S., Mechanical Engineering, Michigan State University

**Research Interests**

Service learning in engineering education

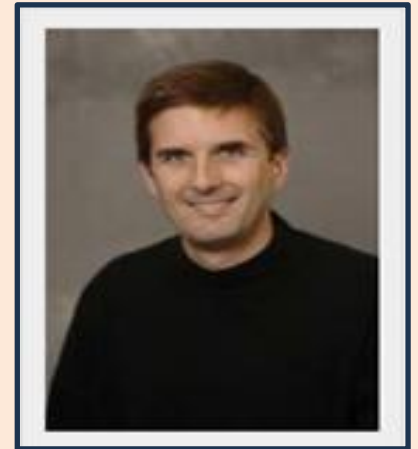
Impact of cognitive and non-cognitive variables on student persistence

Design in engineering education

**Patents**

- Stator Having Selectively Applied Thermal Conductivity Coating, July 1992, U.S. Patent No. 5,127,795

Oakes' visit aimed to inspire students and faculty, stressing the significance of engineering in creating impactful solutions for real-world challenges. His insightful session encouraged a deeper understanding of the potential for engineering to effect positive change in communities globally, fostering a spirit of service-oriented engineering among attendees.





## Patents achieved by faculty

Sl. No.	Patent Application No.	Status of Patent (Published / Registered / Granted)	Inventor(s) Name	Title of the Patent	Applicant(s) Name	Patent Filed Date (DD/MM/YY)	Patent Published Date / Registered Date / Granted Date (DD/MM/YYY)	Patent Publication Number / Patent Registered Certificate Number / Patent Granted Number	Assignee(s) Name [Institute Affiliation(s) at the time of Application]
1	202341058998 A	Published	1) Prof. James Stephen Meka, 2) Mrs. Ramya Asalatha Busi, 3) Prof. Prasad Reddy P.V.G.D	A Novel Deep Learning Technique to Identify CKD Through Effective Feature Selection And Classification	Andhra University, Visakhapatnam, Andhra Pradesh, India	02-09-2023	06-10-2023	202341058998 A	Mrs. Ramya Asalatha Busi, Assistant Professor, Dept. of CSE, Vasireddy Venkatadri Institute of Technology
4	396272-001	Published & Certificate of Design Issued	1) Mrs. Kranthi Madala, 2) Dr. Swathi Nadipineni, 3) Dr. N. Srinivas Rao, 4) Dr. G. Sanjay Gandhi	Advanced Dual Authentication Entry System	1) Mrs. Kranthi Madala, 2) Dr. Swathi Nadipineni, 3) Dr. N. Srinivas Rao, 4) Dr. G. Sanjay Gandhi	28-09-2023	08-11-2023	396272-001	Dr. G. Sanjay Gandhi, Professor, Dept. of CSE, Vasireddy Venkatadri Institute of Technology
2	396273-001	Certificate of Registration of Design Issued	1) Mrs. Sushma Chowdary Polavarapu, 2) Mr. Srinivas Maganti, 3) Dr. N. Srinivas Rao, 4) Dr. Sri Hari Nallamala	High Tech Multi Functional Smart Bluetooth Speaker	1) Mrs. Sushma Chowdary Polavarapu, 2) Mr. Srinivas Maganti, 3) Dr. N. Srinivas Rao, 4) Dr. Sri Hari Nallamala	28-09-2023	08-11-2023	396273-001	Dr. Sri Hari Nallamala, Associate Professor, Dept. of CSE, Vasireddy Venkatadri Institute of Technology
3	396726-001	Published & Certificate of Design Issued	1) Dr. Sri Hari Nallamala 2) Mr. B. Kalyan Chakravarthy 3) Dr. K. Santhi 4) Dr. T. Thirumalai kuamri 5) Alabazar Ramesh 6) Dr. Rajendiran M	AI Based Intelligent Skin Cancer Detection	1) Dr. Sri Hari Nallamala 2) Mr. Battula Kalyan Chakravarthy 3) Dr. K. Santhi 4) Dr. T. Thirumalai kuamri 5) Alabazar Ramesh 6) Dr. Rajendiran M	05-10-2023	08-12-2023	396726-001	1) Dr. Sri Hari Nallamala, Associate Professor, Dept. of CSE, Vasireddy Venkatadri Institute of Technology 2) Mr. Battula Kalyan Chakravarthy, Dept. of IT, Vasireddy Venkatadri Institute of Technology
4	202341075854	Published	1) Dr. N. Pothanna 2) Dr. Shaik Khaja Mohiddin 3) Dr. Mallikarjun G. Shrigan 4) Dr. R. Jothiraj 5) T. Siva Nageswara Rao 6) B. Ranjitha 7) Mandula China Pentu Saheb 8) Anwar Ahamed Shaikh 9) M. Pavan Kumar Reddy 10) Mr. Mabesh Garvandha 11) Dr Adigoppula Raju 12) Mr. P. Raja Shekhar	Artificial Intelligence Approach in Integrals of Special Functions and Umbral Methods with Applications	1) Dr. N. Pothanna 2) Dr. Shaik Khaja Mohiddin 3) Dr. Mallikarjun G. Shrigan 4) Dr. R. Jothiraj 5) T. Siva Nageswara Rao 6) B. Ranjitha 7) Mandula China Pentu Saheb 8) Anwar Ahamed Shaikh 9) M. Pavan Kumar Reddy 10) Mr. Mabesh Garvandha 11) Dr Adigoppula Raju 12) Mr. P. Raja Shekhar	06-11-2023	22-12-2023	202341075854	Mr. Mandula China Pentu Saheb, Assistant Professor, Dept. of CSE, Vasireddy Venkatadri Institute of Technology



### **Department Vision:**

Providing quality education to enable the generation of socially conscious software engineers who can contribute to the advancement in the field of computer science and engineering.

### **Department Mission:**

1. To equip the graduates with the knowledge and skills required to enable them to be industry ready.
2. To train socially responsible, disciplined engineers who work with good leadership skills and can contribute for nation building.
3. To make our graduates proficient in cutting edge technologies through student centric teaching-learning process and empower them to contribute significantly to the software industry
4. To shape the department into a Centre of academic and research excellence

### **Program Educational Objectives (PEO'S):**

#### **PEO-1:**

To provide the graduates with solid foundation in Computer Science and Engineering along with the fundamentals of Mathematics and Sciences with a view to impart in them high quality technical skills like modeling, analyzing, designing, programming and implementation with global competence and helps the graduates for life-long learning.

#### **PEO-2:**

To prepare and motivate graduates with recent technological developments related to core subjects like Programming, Databases, Design of Compilers and Network Security aspects and future technologies so as to contribute effectively for Research & Development by participating in professional activities like publishing and seeking copy rights.

#### **PEO-3:**

To train graduates to choose a decent career option either in high degree of employability/Entrepreneur or, in higher education by empowering students with ethical administrative acumen, ability to handle critical situations and training to excel in competitive examinations

#### **PEO-4:**

To train the graduates to have basic interpersonal skills and sense of social responsibility that paves them a way to become good team members and leaders.