



“Real Education is that which enables one to stand on one’s own legs.”  
-Swami Vivekananda

Data Sphere

## Hearty Congratulations

To Students placed during the Campus Recruitment 2024-25



Prajnashankari  
Saksen



Tejas S U  
SignDesk



Nisha Shetty  
Infosys



Deekshitha M  
Infosys



Suchitha  
Infosys



Jenet Elizabeth Jacob  
Infosys



Kavya Shetty  
Infosys



Shreelakshmi  
Infosys



Supreeth  
EGDK



Kuladeep A G  
Winman

### Student Achievements

**Mr. Nishan Kumar H V , Ms. Prakruthi G P, Mr. Gaurav G Alva, Ms. Bhagyashree, Ms. Shravya, Ms. Dhanya, Ms. Sowjanya** of 3<sup>rd</sup> year CD attended **UniCourt workshop** held at VCET, Puttur.

**Mr. Nishan Kumar H V , Mr. JayaGanesh Bhat, Mr. Raviprakash K, Mr. Ankith Kumar** of 3<sup>rd</sup> year CD attended **Code-Meet** hackathon at Srinivas Institute of Technology, Mukka.

**Ms. Shamitha N, Ms. Prajna Shankari, Ms. Sinchana Lakshmi** of 4<sup>th</sup> year & **Ms. Roshini M** of 3<sup>rd</sup> CD and team bagged 2<sup>nd</sup> prize in semiclassical dance group event held at NMAMIT Nitte and SDIT Manglore.

**Ms. Roshini M** of 3<sup>rd</sup> year CD won 1st price in both Kata and Kumite - Open state level karate championship, 1<sup>st</sup> price in Kata and 2<sup>nd</sup> price in Kumite - Open national level karate championship.

**Mr. Khalandar Thameem, Mr. Ankith Kumar, Mr. Raviprakash** of 3<sup>rd</sup> year CD participated in Synergia hackathon, DevHost 2024 event at Sahyadri College Mangalore.

**Mr. Nishan Kumar H V , Mr. P Kedar Pai, Mr. Maneesh N R, Ms. Kshiti Shetty Ms. H Eshwari Anil, Ms. Dhanyashree, Ms. Ashwini, Ms. Amitha, Ms. Rithika** of 3<sup>rd</sup> year CD attended Postman workshop organised by IEEE NITK.

**Mr. Nishan Kumar H V** of 3<sup>rd</sup> year CD attended Data mining and directive analysis tool at MIT and Won IEEE Webmastery Event.

**Mr. Nishan Kumar H V , Mr. Darshan S M** of 3<sup>rd</sup> year CD participated in National level hackathon at SMVITM.

**Ms. Harshitha, Ms. Vaishnavi Ms. ,Shravya, Ms. Anusha** Participated in VTU fest at Bangalore.

**Ms. Rakshitha** attended the workshop by Infosys sez company at hyderabad.

The project titled “**Smart Cradle System**” received a grant of rupees 4500 from **KSCST**. This was implemented by **Ms. Deepthi, Ms. K B Bhavishya Rai, Mr. Manjunath Shivanand Chakrasali, Ms. Renuka M** under the guidance of **Prof. Rohith H P**.



## VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ( DATA SCIENCE )

Data Sphere

Volume : 1

Issue : 2

July 2024 - December 2024

### About the Department

The BE in CSE (Data Science) is a four-year undergraduate program that equips students with the knowledge and skills to analyze and interpret complex data. This program focuses on integrating machine learning techniques, algorithms, tools, business acumen, and mathematics to extract meaningful insights from raw data. In essence, Data Science blends technology, algorithm development, and data inference to solve complex problems analytically.

Throughout the course, students learn to combine business knowledge, statistical tools, and computational techniques to derive innovative solutions that create business value.

The curriculum covers a comprehensive range of subjects, including Basic Sciences, Mathematical and Statistical Foundations, Artificial Intelligence, Machine Learning, Data Science, Deep Learning, and Data Visualization, ensuring a well-rounded understanding of the field.

### Academic Activities

#### Talk on “Placement Drive: How to Prepare and Succeed”

The Department of Computer Science and Engineering (Data Science), in collaboration with the Association of Data Science Students (ADSS) and the IEEE VCET Student Branch, organised a talk titled “**Placement Drive: How to Prepare and Succeed**” on September 6th, 2024, at Shri Rama Sabha Bhavana, VCET Puttur.

The session's guest speaker, **Ms. Anvitha Bhat M**, a software developer at SAPLABS Bengaluru with four years of industry experience, was introduced by the Head of the Department, Prof. Roopa G K. Prof. Roopa warmly welcomed Ms. Anvitha Bhat and highlighted her notable achievements as an esteemed alumna of the institution.

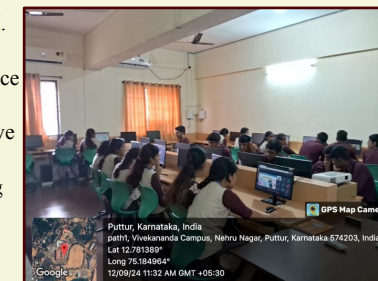
Ms. Anvitha Bhat's presentation offered a comprehensive guide to preparing for SAP interviews and placement rounds. She shared valuable insights on common interview questions and provided practical advice on approaching them. Key recommendations included researching the company and the job role thoroughly, mastering the necessary programming languages, and using platforms like Geeks-for-Geeks for practice.



#### Talk on “AI Medical Imaging”

The Department of Computer Science and Engineering (Data Science), in collaboration with the Association of Data Science Students (ADSS) and the IEEE VCET Student Branch, organised a talk on “**AI in Medical Imaging**” on 12th September , 2024, DAA Lab, Vivekananda College of Engineering and Technology, Puttur, at 11:15 AM.

**Dr. Kangkana Bora**, an Assistant Professor from the Department of Computer Science and IT, Cotton University, Guwahati, delivered the talk. She provided a comprehensive overview of the applications of artificial intelligence in medical imaging, highlighting its significant impact on modern healthcare through advanced diagnostic tools.





## Session on “Know Your Department”

As a part of student induction programme department of CD conducted a session on "KNOW YOUR DEPARTMENT" for first year B.E students. Head of Department **Prof. Roopa G K** gave brief introduction about department features, activities conducted, faculties of department, and career opportunities. Later Mr. Supreeth and team conducted various activities for students. It is specially designed for improving students soft skill and public speaking. Students actively participated in each and every event and enjoyed while session. Winners of event are rewarded with prizes. Prof. Reshma of basic science department welcomed delivered vote of thanks.



## Talk on “Engineering Horizons: Exploring Advance Studies in the USA”

A talk titled "Engineering Horizons: Exploring Advanced Studies in the USA" was held at Shri Rama Sabha Bhavana on October 14, 2024. The event was organized by the Department of CSE (Data Science) and the Department of Artificial Intelligence and Machine Learning, in collaboration with the Association of Data Science Students (ADSS), Artificial Intelligence Student Association (AISA), and ISTE, VCET. The session was specifically aimed at final-year engineering students, with **Mr. Desmond Fernandes**, a consultant from SOLASTA-US Education Consultants, serving as the guest speaker. Mr. Fernandes, drawing on his extensive experience in guiding students toward studying abroad, provided valuable insights into exploring opportunities for advanced studies in the USA. He explained how SOLASTA-US Education Consultants supports students in navigating the complexities of studying abroad, from choosing the right universities to securing visas and scholarships.



## The Aura 2024

The Department of Computer Science and Engineering (Data Science) at Vivekananda College of Engineering and Technology (VCET), in collaboration with the Association of Data Science Students (ADSS), successfully organised **Aura-2K24**, a three-day festival held from November 26 to 28. The event served as a vibrant platform for students, professionals, and enthusiasts to showcase their skills through a variety of technical and cultural competitions such as Swift Shift, Binary Brains, Tech Fiesta, Squad War, Face Art, Gesture Quest, Madvertise, Tech Rangoli, Techno Vision, and Behind the Lens.

The Valedictory Function of Aura-2K24 was held on November 28 at Sri Rama Sabha Bhavana, VCET. The event was graced by several distinguished guests, including Smt. Vidya R. Gowri, Director of VCET, who attended as the Chief Guest. Smt. Vidya R Gowri spoke about the importance of such technical competitions which enabled students to think innovatively and try to provide suitable solutions for real-world problems. A significant moment of the ceremony was the release of the department's newsletter, Data Sphere, by Chief Guest Smt. Vidya R. Gowri.

Prof. Roopa G. K., Head of the Data Science Branch, and Prof. Chaithanya D., Coordinator of Aura-2K24, Mr. Abhishek, President, ADSS were also present.



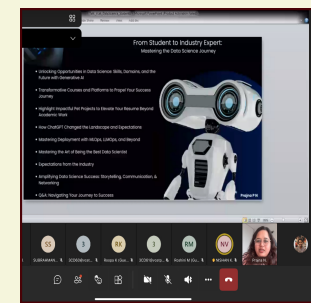
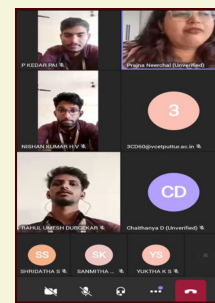
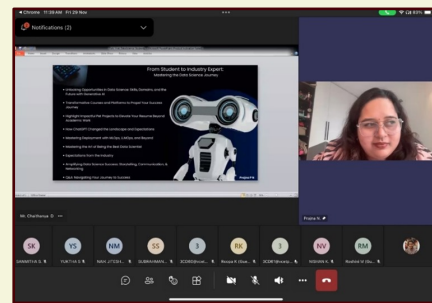
“To me the very essence of education is concentration of mind, not the collection of facts”

-Swami Vivekananda

## Talk on “Mastering Data Science in the ChatGPT Era : Key Domains, Skills and Strategies for Success”

The Department of Computer Science and Engineering (Data Science), in collaboration with the Association of Data Science Students (ADSS) and the IEEE VCET Student Branch, organized a talk titled "Mastering Data Science in the ChatGPT Era: Key Domains, Skills, and Strategies for Success" delivered by **Ms. Prajna P N**, AI Engineering Lead, WatsonX CE, IBM, Bengaluru on 29th November 2024 via Microsoft Teams.

Targeting over 100+ 3rd and 4th-year data science students, the talk explored how generative AI, particularly ChatGPT, is transforming the data science domain. The speaker highlighted essential skills and emerging domains, emphasizing the importance of tools like MLOps and LLMOps for model deployment.



## Faculty Achievements

**Prof. Roopa G K** participated in a five day FDP on “Inculcating Best Research Practice” organised by Department of Computer Science and Engineering, VCET Puttur.D.K from 20<sup>th</sup> to 24<sup>th</sup> August 2024.

**Prof. Roopa G K** reviewed conference papers for the 2<sup>nd</sup> IEEE International Conference on “Recent Advances in Information Technology for Sustainable Development(ICRAIS 2024)” held on 6<sup>th</sup> and 7<sup>th</sup> November 2024, organised by Department of ICT, MIT, Manipal.

**Prof. Roopa G K** reviewed conference papers for the 2024 IEEE International Conference on “Distributed Computing, VLSI, Electrical Circuits and Robotics(2024 IEEE DISCOVER)” held on 18<sup>th</sup> and 19<sup>th</sup> October 2024, organised by IEEE Mangalore Subsection, held at SJEC, Mangalore.

**Prof. Roopa G K** participated in a five day FDP on “Generative AI and Future Work” organised by Department of Computer Science and Engineering, Reva University from 22<sup>nd</sup> to 26<sup>th</sup> July 2024.

**Dr. S V Prasad** Participated in a five-day online FDP on “Data Analytics and Visualization with PoweBI and Tableau” from 09<sup>th</sup> to 13<sup>th</sup> September 2024 organised by CMR Institute of Technology, Bangalore.

**Prof. Rohith H P** Participated in a five-day online FDP on “Data Analytics and Visualization with PoweBI and Tableau” from 09<sup>th</sup> to 13<sup>th</sup> September 2024 organised by CMR Institute of Technology, Bangalore.

**Prof. Rohith H P** participated in a five day FDP on “Inculcating Best Research Practice” organised by the Department of Computer Science and Engineering, VCET Puttur.D.K from 20<sup>th</sup> to 24<sup>th</sup> August 2024.

**Prof. Chaithanya D** Participated in a five-day online FDP on “Data Analytics and Visualization with PoweBI and Tableau” from 09<sup>th</sup> to 13<sup>th</sup> September 2024 organized by CMR Institute of Technology, Bangalore.

**Prof. Chaithanya D** participated in a five day FDP on “Inculcating Best Research Practice” organised by Department of Computer Science and Engineering, VCET Puttur.D.K from 20<sup>th</sup> to 24<sup>th</sup> August 2024.

**Prof. Sapna K N** participated in a five day FDP on “Inculcating Best Research Practice” organised by Department of Computer Science and Engineering, VCET Puttur.D.K from 20<sup>th</sup> to 24<sup>th</sup> August 2024.

**Prof. Akhila M L** participated in a five day FDP on “Inculcating Best Research Practice” organised by Department of Computer Science and Engineering, VCET Puttur.D.K from 20<sup>th</sup> to 24<sup>th</sup> August 2024.

**Prof. Shreerekha M** participated in a five day FDP on “Inculcating Best Research Practice” organised by Department of Computer Science and Engineering, VCET Puttur.D.K from 20<sup>th</sup> to 24<sup>th</sup> August 2024.



## VISION

To surpass expectations as a leading DataScience department, fostering innovation through a dynamic learning environment, empowering socially responsible and analytically proficient individuals to drive progress.

## MISSION

**M1:** To nurture skilled, innovative, and quality professionals in Data Science.

**M2:** To encourage faculty to continuously upgrade their expertise and in still professional values in a rapidly evolving technological landscape.

**M3:** To develop state-of-the-art infrastructural facilities that foster excellence in Data Science education and research.

**M4:** To establish impact full collaborations with government, industry, society, and alumni, while promoting entrepreneurship in the field of Data Science.

## PSOs

- Analyse, design, implement and test the complex systems by applying suitable Algorithms, Data structures and Object oriented technology.

- Demonstrate the knowledge of Artificial intelligence, Machine learning and Data engineering to design and develop intelligent systems.

- Exhibit a concrete foundation to process an innovative career, higher studies and research in data science.