

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING



OMNITHAR

VOLUME: 09 | ISSUE: 01 ACADEMIC YEAR: 2024-25

Department of CSE | Vardhaman College of Engineering



Dr. J V R Ravindra

Principal and Professor of ECE
Vardaman college of Engineering

As a nation with the world's largest youth population, harnessing this demographic dividend through quality education is essential to building future global leaders. Education must empower students not only to seek employment, but also to become innovators, entrepreneurs, and technology pioneers.

The Department of Computer Science and Engineering at Vardhaman College of Engineering is committed to delivering high-quality technical education through effective teaching-learning practices, modern laboratories, and industry-relevant training. The department fosters critical thinking, problem-solving, and innovation by encouraging student participation in research, incubation activities, and national and international competitions.

Alongside academic excellence, the department promotes holistic student development through technical, non-technical, and social initiatives, bridging the gap between academia and industry and enabling strong career opportunities.

We take pride in the department's contribution to technological advancement and national development.

Best Wishes & Regards,

Dr. J V R Ravindra

Principal and Professor of ECE

Vardaman college of Engineering

Message from the Chairman

The highest education is that which does not merely give us information but makes our life in harmony with all existence

-Rabindranath Tagore



Dr. T. Vijender Reddy
Chairman

At Vardhaman College of Engineering, our ethos transcends the boundaries of conventional education. We are committed to nurturing not just academically proficient individuals, but well-rounded personalities equipped for life's diverse challenges. Our educational philosophy is anchored in the principle of active knowledge acquisition, encouraging students to engage deeply with their subjects beyond mere study.

Our engagement with leading institutions has broadened our understanding of education as a holistic experience, integrating academic rigour with a vibrant campus life. We are acutely aware that our students entrust us with the formative years of their lives, and we shoulder this responsibility with the utmost seriousness, aiming to provide them with an education that stands on par with global standards.

As we stand at the cusp of a new era in human development, characterized by the dominance of intellectual prowess over physical and financial assets, the role of educational institutions becomes pivotal. Society now looks to us to cultivate these critical intellectual resources.

Vardhaman College of Engineering is poised to meet this imperative. We offer a comprehensive educational experience, designed to prepare our students to excel in a competitive and evolving academic landscape. Our curricula are continually updated to reflect the latest advancements in engineering, technology, and research. Coupled with state-of-the-art infrastructure, our programs are tailored to foster intellectual growth and skill development.

I invite you to explore our website to learn more about our institution, our educational philosophy, and the various academic milestones we have achieved. I warmly welcome you to Vardhaman College of Engineering and encourage you to experience the rich academic and cultural environment that VCE has to offer. Join us in this journey of learning and discovery.

Best Wishes & Regards,

Dr. T. Vijender Reddy
Chairman

TABLE OF CONTENTS

This section highlights the department's vision, leadership insights, key achievements, and innovation-driven initiatives shaping academic excellence.

01

VISION, MISSION & ACADEMIC EXCELLENCE

Clear strategic direction aligned with industry, research, and outcome-based education.



02

LEADERSHIP & EDITORIAL INSIGHTS

Perspectives from the HOD and Editorial Board driving innovation and student-centric growth.



03

ACHIEVEMENTS & RECOGNITIONS

IEEE honors, national awards, and student excellence showcasing departmental credibility.



04

INNOVATION & SKILL DEVELOPMENT INITIATIVES

Hackathons, expert talks, and faculty development programs focused on future-ready skills.

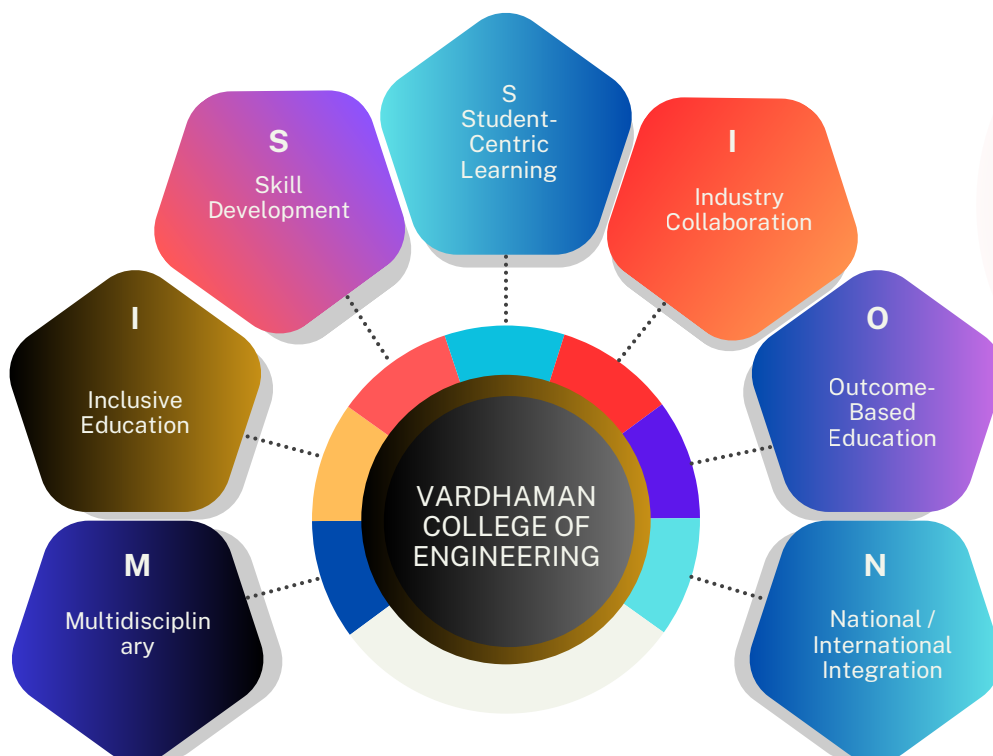


Vision

To be a leading source of competent computer engineers, meeting the needs of industry and society at large.

Mission

- Facilitate learning in advanced technologies adopting innovative methods.
- Associate continuously with industry to design and implement experiential curriculum.
- Promote Research and Development through Special Interest Groups (SIGs).
- Provide a platform for harnessing entrepreneurial and leadership qualities.



Omnithar

The College Newsletter

Message from the Head of the Department

Embracing Innovation, Empowering the Future!

Dear Students, Faculty, and Esteemed Members of the Vardhaman Family,

It is with great enthusiasm that I welcome you to this edition of our CSE Department Newsletter—a vibrant showcase of our collective journey in innovation, learning, and excellence. The world of computing is evolving at an unprecedented pace, and we at the Department of Computer Science & Engineering are at the forefront of this exciting transformation.

From cutting-edge research to groundbreaking student projects, from Industry collaborations to community-driven tech initiatives, our department is a hub of creativity and progress. Every line of code written, every idea explored, and every challenge tackled here brings us one step closer to shaping a smarter, more connected world.

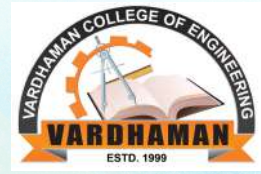
This newsletter is not just a reflection of our achievements but also a source of inspiration for all of us. I encourage each one of you to think beyond boundaries, push limits, and continue to innovate fearlessly. Let's celebrate our milestones, learn from our experiences, and embark on new adventures in technology together!

The future is ours to create—let's code it with passion!
With best wishes for our continued success and growth,

Dr. Karmati Ramesh
Head of the Department
Department of Computer Science & Engineering



Message from the Editorial Board



With nearly two decades of academic excellence, Vardhaman College of Engineering has consistently worked towards equipping students with the right intellect and values. The Department of Computer Science and Engineering (CSE) takes immense pride in being a vibrant hub of innovation, fostering a dynamic environment that extends from academics to cutting-edge research, and from technical events to extracurricular activities throughout the year.

The CSE Omnithar, our department newsletter, reflects this spirit of dynamism, offering a glimpse into our proudest moments—innovations, achievements, awards, research contributions, and impactful initiatives for societal growth. It is a testament to the collective excellence and dedication of our students and faculty. These accomplishments will undoubtedly be cherished as invaluable memories in the chronicles of the CSE department's illustrious journey.

We, the Editorial Board, extend our heartfelt gratitude to the management and Principal for entrusting us with the responsibility of compiling and editing this newsletter. We deeply appreciate the contributions of all faculty members, HODs, and students who have played a vital role in bringing this publication to life. We eagerly look forward to your valuable suggestions to further enhance the quality and scope of future editions.

Let us continue to strive for excellence and innovation together!



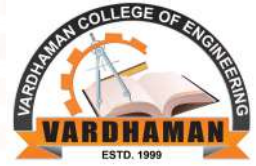
Ms. Ruqqaiya Begum

ASSISTANT PROFESSOR

In the Department of CSE Since 2021

Email: ruqqaiya_begum@vardhaman.org

Message from the Editorial Board



Dr. V. Lokeshwari Vinya

ASSISTANT PROFESSOR

In the Department of CSE Since 2020

Email: vinya593@vardhaman.org



M. Uday Kiran

Student of CSE Department

Email: makineni.uday@gmail.com



A. Raj Kumar

Student of CSE Department

Email: ayilvarrajkumar@gmail.com





06 Jan, 2024

T: The Department of CSE organized a one-day workshop on “Penetration Testing Tools”, conducted by Mr. Upendra, Senior Security Analyst, Supraja Technologies, Hyderabad. A total of 107 students actively participated in the workshop. The event was coordinated by Dr. Gouse Baig, Dr. S.V. Vasantha, Mr. Gireesh Agarwal, and Ms. S. Sowjanya, ensuring its successful execution.

Insight into the HPC FDP

- Implement Cloud Security: Learn to apply AWS security measures, focusing on IAM, VPC security, and data protection in S3 and databases to ensure secure cloud infrastructure.
- Design Scalable Solutions: Understand how to architect and scale applications on AWS, using EC2, S3, Lambda, and databases for growth and adaptability.
- Optimize AWS Costs: Acquire strategies for cost management and optimization across AWS services to achieve performance with cost efficiency.

TARGET AUDIENCE:
Workshop is open to all faculty members, research scholars and students from college working in the concerned or allied disciplines.

Registration Fees per participant – FREE

Registration Link:
<https://forms.office.com/r/vyZaFcv1X>

Whatsapp:
<https://chat.whatsapp.com/GgdgM4ysNtEBQxMLTfR>

Mode of Workshop: Offline

E-Certificate shall be provided to all participants

CHIEF PATRONS

Dr. T. Vijender Reddy – Chairman
Sri T. Upender Reddy – Secretary
Sri M. Rajasekhar Reddy – Vice Chairman
Sri E. Prabakar Reddy – Treasurer

PATRON
Dr. JVR Ravindra – Principal

CONVENER
Dr. Y. Vijayalata Reddy – Dean, Computer Science
Dr. Ramesh Karnati – HOD, Dept. of CSE
Dr. Shanthi Makka – Professor, CSE

COORDINATORS

- Dr R Arun Kumar, Assistant Professor, CSE
- Mr D Ganesh, Assistant Professor, CSE

RESOURCE PERSON
Dr U Seshadri, Associate Professor, CSE
(AWS Certified Solutions Architect Associate)

ORGANIZING COMMITTEE
1. Mrs. A Sowmya, Assistant Professor, CSE

Cloud Computing Mastery with AWS: A Hands-On Workshop

12-02-2024 to 16-02-2024

Mornings 10:00-12:00 Noon & Afternoons 2:00-4:00pm




Department of Computer Science and Engineering
VARDHAMAN COLLEGE OF ENGINEERING
(Autonomous)
Shamshabad - 501 218, Hyderabad, T.S.India



02 March, 2024

Dr. G. Soma Sekhar has been honored with an award for “Technology and Innovation in Education” by the Artificial Intelligence Medical & Engineering Researchers Society (AIMER Society) during the M.S. Swaminathan segment. This award recognizes his exceptional dedication and significant contributions to the advancement of technology and innovation in the field of education.

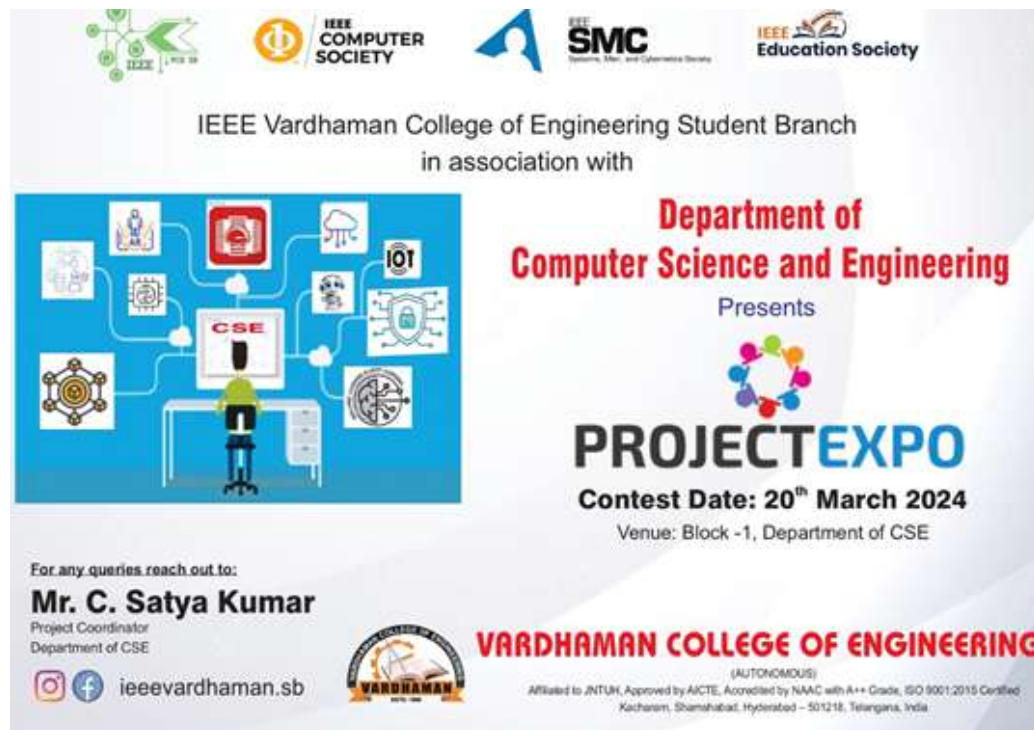


12 March 2024



The Department of CSE organized an industrial visit for III-year students to the National Remote Sensing Centre (NRSC). The visit aimed to motivate students and provide them with an opportunity to explore the work being done in the industry. A total of 120 participants attended the event. Dr. Somasekhar, Professor in the Department of CSE, accompanied the students during the visit.

20 March 2024





IEEE Vardhaman College of Engineering Student Branch
in association with

Department of
Computer Science and Engineering
Presents

PROJECTEXPO
Contest Date: 20th March 2024
Venue: Block -1, Department of CSE

For any queries reach out to:
Mr. C. Satya Kumar
Project Coordinator
Department of CSE

 [ieeewardhaman.sb](https://www.instagram.com/ieeewardhaman.sb)

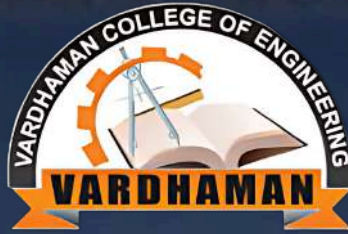
 **VARDHAMAN COLLEGE OF ENGINEERING**
(AUTONOMOUS)
Affiliated to JNTU-K, Approved by AICTE, Accredited by NAAC with A++ Grade, ISO 9001:2015 Certified
Kacharam, Shamshabad, Hyderabad - 501218, Telangana, India

The Department of Computer Science and Engineering (CSE) organized the “Project Expo” under the IEEE Vardhaman Student Branch. The objective of the event was to provide a platform for students to showcase their innovative ideas. A total of 87 project batch students participated, presenting projects from diverse domains such as Data Science, High-Performance Computing, and Network Security. The panel members were impressed with the students' demonstrations and interactions, appreciating the creativity and depth of the projects. The event was coordinated by C. Satya Kumar, Assistant Professor, CSE.





OMNITHAR



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Vardhaman College of Engineering, Hyderabad

**ENGINEERING INTELLIGENCE - ENABLING
INNOVATION.**

VOLUME: 09 | ISSUE: 01 ACADEMIC YEAR: 2023-24

Department of CSE | Vardhaman College of Engineering