



Vision of the Department

To inspire and educate female students in Computer Science and Engineering to become skilled, ethical, and innovative professionals prepared for future technologies and challenges.

Mission of the Department

- M1: To provide strong foundational and advanced knowledge in core areas of Computer Science and Engineering, enabling students to design, analyse, and solve engineering problems using modern Computing tools.
- M2: To promote research skills, innovation, entrepreneurship and lifelong learning by encouraging students to participate in research, development, and interdisciplinary activities in emerging technologies.
- M3: To inculcate professional ethics, social responsibility, and sustainable practices, enabling graduates to contribute positively to society.

Program Educational Objectives

- PEO1: To acquire logical and analytical skills in core areas of Computer Science & Information Technology.
- PEO2: To adapt new technologies for the changing needs of IT industry through self-study, graduate work and professional development.
- PEO3: To demonstrate professional and ethical attitude, soft skills, team spirit, leadership skills and execute assignments to the perfection.

Program Specific Outcomes

- PSO1: **Software Development:** Ability to grasp the software development life cycle of software systems and possess competent skill and knowledge of software design process.
- PSO2: **Industrial Skills Ability:** Ability to interpret fundamental concepts and methodology of computer systems so that students can understand the functionality of hardware and software aspects of computer systems.
- PSO3: **Ethical and Social Responsibility:** Communicate effectively in both verbal and written form, will have knowledge of professional and ethical responsibilities and will show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues.

EDITORIAL BOARD

Dr. B Phijik, HOD (CSE)

Mrs. V. Suzan Shalini, Assistant Professor, BS&H.

Ms. Samreen Begum, Assistant Professor, CSE.

Ms. Suha Saleem CSE (Student)

Ms. Shahana, CSE (Student)

Ms. G S Yamini Devi CSE (Student)

Ms. Ojasvi Pattanaik CSE(Student)

COMPUTER SCIENCE AND ENGINEERING



Established in 2008, the CSE Department at VMTW has grown from an intake of 90 to 240 students, reflecting its commitment to excellence. The department earned NBA accreditation in 2019 and reaccreditation in 2022, ensuring high academic standards.

With experienced and research-driven faculty, the department promotes innovation through Centres of Excellence in IoT and AI & ML and collaborations with MSME, ALEAP, and TASK. Active associations with ISTE, CSI, and IETE enrich student learning through workshops and seminars.

Boasting 90% placements in leading companies like Amazon, Flipkart, Accenture, and Cognizant, and a highest package of ₹ 20 LPA, the department stands as a hub of innovation, research, and success.



HOD'S MESSAGE

Dr. Phijik Battula,
Associate Professor &
HoD, DEPARTMENT OF
COMPUTER SCIENCE AND
ENGINEERING

Dr. Phijik Battula brings over 20 years of academic and research experience to his role as Associate Professor and Head of the Department of Computer Science & Engineering at Vignan's Institute of Management and Technology for Women (VMTW), Hyderabad. He earned his Ph.D. in Computer Science from Osmania University, Hyderabad in 2023. He holds an M.Tech. in Computer Science and Engineering from Jawaharlal Nehru Technological University Hyderabad (JNTUH). Dr. Battula's expertise spans Computer Networks, Software Engineering, Operating Systems, Machine Learning, and Blockchain Technologies. He has made significant scholarly contributions, including:3 national patents,1 authored book,10 journal publications, including(1 in SCIE-indexed journal,4 in SCOPUS-indexed journals,5 in UGC- approved journals,2 international conference papers).He also served as an Academic Counsellor with the Indra Gandhi National Open University (IGNOU), Regional Services Division, Maidan Garhi, New Delhi, through Aurora Degree College Study Center (Code: 0111), Hyderabad. A dedicated mentor and educator, Dr. Battula has guided over 100 B.Tech graduates from VIGNAN's Group Institutions, Hyderabad. He is an active member of several professional organizations, Life Member, Indian Society for Technical Education (ISTE) – LM-137313,Life Member, International Association of Engineers (IAENG) – Member No: 277087,Life Member, Society of Digital Information and Wireless Communication (SDIWC) – ID: 30616.

FACULTY ARTICLE ON NEURAL NETWORKS

By, **Samreen Begum,**
Assistant Professor (CSE)
Regression Learning: Predicting the Future with Data In a world driven by data, predicting what comes next has become essential — from



stock prices to weather forecasts. Regression learning, a key branch of machine learning, makes this possible by studying past data to predict continuous outcomes such as sales, prices, or temperatures. capability to shape the future.



regression powers finance (risk prediction), healthcare (disease progression), retail (sales forecasting), and even environmental studies (climate trends). However, its success depends on clean, reliable data and avoiding pitfalls like overfitting and underfitting.



As technology advances, tools like Python, R, and AutoML are making regression models smarter and more accessible. With its ability to turn numbers into insights, regression learning continues to bridge the gap between data and decision-making.

FACULTY PUBLICATIONS

SI No	Author	Title	ISSN No	Journal name
1	Dr. Basavaraj Chunchure	Software prediction of defects at function points stage by means of neural networks	0363-8057	SCOPUS
2	Dr. S Rangaswamy	A secure new HRF mechanism for mitigate EDoS attacks	1743-8225	SCIE

BOOKS & CHAPTERS PUBLISHED:

S.NO.	AUTHOR	TITLE OF THE BOOK	TITLE OF PAPER	ISSN NUMBER
1.	Mrs K Prathysuha	Challenges and Possible Solutions for emerging emerging trends trends in Technologies	AI based Identification of gender from images based on facial features using CNN & OPENCV	978-93-5627-706-9
2.	Mr. B Phijik	Challenges and Possible Solutions for emerging emerging trends trends in Technologies	Real Time Drowsiness Drowsiness Monitoring System for Automobiles Drivers using Deep Learning Techniques	78-93-5627-706-9
3.	Mr. G Rajesh	Challenges and Possible Solutions for emerging emerging trends trends in Technologies	A Novel Mechanism for Contrast & Color Improvement Based Haze Removal of Underwater Images Using Fusion Technique	978-93-5627-706-9
4.	Dr. C Srinivasa Kumar	Challenges and Possible Solutions for emerging emerging trends trends in Technologies	Detection of Fake Profiles on Social Networks using Machine ANN Learning ANN & SVM Algorithms	978-93-5627-706-9

FDP/SEMINARS CONDUCTED

S.NO.	Name of the event	Date
1.	A seminar on intellectual property rights	02/06/2022 to 02/06/2022

STUDENT ARTICLE ON THE FUTURE OF DIGITAL TRANSFORMATION

By, Suha Saleem, IV year (CSE)

Cloud Computing – The Future of Digital Transformation



In today's digital era, cloud computing has revolutionized the way data and applications are stored, accessed, and managed. It enables users to access computing resources such as servers, storage, databases, and software over the internet, eliminating the need for physical infrastructure.

From streaming platforms like Netflix to online learning systems, cloud technology powers many of the services we use daily. Its flexibility, scalability, and cost-effectiveness make it an essential part of modern IT infrastructure. Cloud computing also supports remote work, data security, and AI-driven innovation, transforming industries across the globe.



As a student of Computer Science, understanding cloud technologies such as AWS, Microsoft Azure, and Google Cloud opens new career opportunities in software development, data analytics, and cybersecurity. With the world moving rapidly toward cloud-based solutions, mastering this domain is key to becoming future-ready in the digital world.



STUDENTS ATTEMPTED COMPETITIVE EXAMS:

Sl No	Roll No	Name	Exam Reg No	Name of the Exam
1	19UP1A0477	TELUKUNTLA SREYA REDDY		DUOLINGO
2	19UP1A05C1	HARIKA SIRANDASS	035513 5	GRE
3	19UP1A05C1	HARIKA SIRANDASS		DUOLINGO

STUDENT ACHIEVEMENTS

Outstanding Recognition Award

Vignan Institute of Management and Technology for Women was honored with the Outstanding Recognition Award by the Rotary Club, Hyderabad. The award acknowledges the institution's commendable medical service rendered to Kondapur Village and its remarkable contribution to community welfare. This recognition reflects the college's continued commitment to social responsibility and service beyond academics.



Recognition Award

Vignan's Institute of Management and Technology for Women received the Recognition Award from NTR Trust Blood Centre, Hyderabad, for its valuable support and continuous contribution towards blood donation and healthcare initiatives across Telangana and Andhra Pradesh. This honor highlights the institution's commitment to



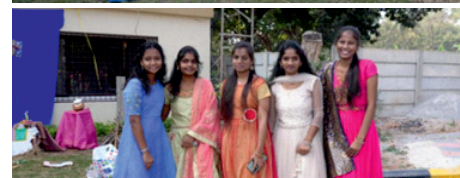
GUEST LECTURE

The Department of Computer Science and Engineering organized an engaging guest lecture aimed at enhancing students' technical knowledge and professional skills. The session provided valuable insights into current industry trends and emerging technologies. Students actively interacted with the speaker, gaining a deeper understanding of real-world applications of classroom concepts. The event served as an excellent platform for bridging the gap between academia and industry.



Other event by department:

As part of the festive celebrations, the Department of Computer Science and Engineering organized a traditional Bommala Koluvu display on campus. The event beautifully showcased the essence of Indian culture and creativity through an artistic arrangement of clay and wooden dolls depicting mythological scenes, village life, and cultural themes. Students actively participated in setting up the vibrant display, decorated with colorful drapes, garlands, and kites, symbolizing unity and devotion. The celebration not only reflected cultural heritage but also promoted teamwork and aesthetic expression among students.



CAMPUS RECRUITMENT

S.NO.	COMPANY'S NAME	OFFERS	PACKAGE	ROLE
1.	EIQ	2	4 LPA	Associate Software Engineer
2.	GGK Tech	6	3.5 LPA	Trainee-Software engineer
3.	Key solutions	1	5 LPA	Full stack developer
4.	Mindtree	1	4 LPA	Engineer
5.	Public Sapient	1	10 LPA	Software Developer
6.	Rakuten	3	12 LPA	Associate software engineer
7.	TCS	3	3.6 LPA	Ninja- Program analyst

SUCCESS STORIES...

VIGNAN'S
INSTITUTE OF MANAGEMENT AND
TECHNOLOGY FOR WOMEN

Congratulations!

15

**STUDENTS
HAS BEEN
SELECTED FOR**

tcs **TATA
CONSULTANCY
SERVICES**

WITH PACKAGE
3.6
LAKHS PER ANNUM



SUCCESS STORIES...

VIGNAN'S
INSTITUTE OF MANAGEMENT AND
TECHNOLOGY FOR WOMEN

Congratulations!

FOR POSTING A NEW BENCHMARK IN
PLACEMENTS



**SAGADAM
MEGHANA**
18UP1A0543
B.TECH (CSE)
2021-2022

SECURED POSTING AT TOP MNC
**publicis
sapient**

10

**LAKHS
PER
ANNUM**

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SUCCESS STORIES...

VIGNAN'S
INSTITUTE OF MANAGEMENT AND
TECHNOLOGY FOR WOMEN

Congratulations!

**RESOUNDING
GREAT SUCCESS!!**

SECURED POSTING AT TOP MNC

Rakuten

12

**LAKHS
PER
ANNUM**



A HARSHINI
18UP1A0540 - CSE



A JASWITHA
18UP1A0541 - CSE



M MANASA
18UP1A0542 - CSE

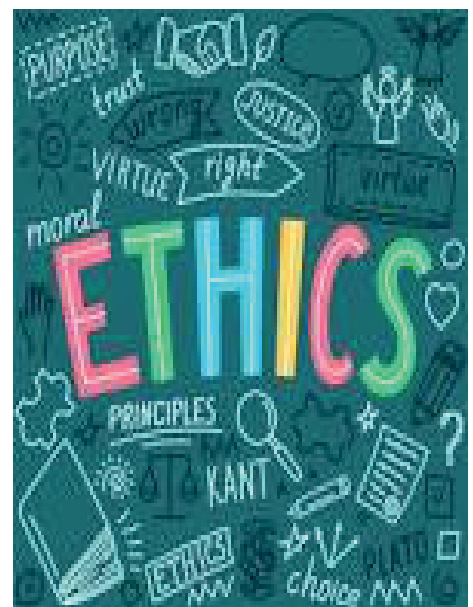


M SHARANYA
18UP1A0545 - CSE

HONESTY
Obedience to Law
Objectivity
Diligence
Accountability
Professional Ethics
Integrity
Social Responsibility
Transparency
Whistle blowing
MUTUAL RESPECT
IPS Academy, Institute of Engineering & Science
(A UGC Autonomous Institute, Affiliated to RGPV)



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Ethical Behavior set. Balancing truth and rightness, exploring transparency in decisions.

Engaging empathy, responsibility, and moral judgments. Flat vector illustration

TIME MANAGEMENT



“the act or process of planning and exercising conscious control over the amount of time spent on specific activities, especially to increase effectiveness, efficiency or productivity.” One of the most difficult challenges people have with time management is in exercising conscious control over the time spent on their tasks. The lack of control over the amount of time you spend on something results in failure to get things done.

Engineering Graduates will be able to:

Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and Engineering sciences.

Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health safety, and the cultural, societal, and environmental considerations.

Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

Project Management and Finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team to manage projects and in multidisciplinary environments.

Life-Long Learning: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.