



**VIGNAN'S INSTITUTE OF MANAGEMENT AND
TECHNOLOGY FOR WOMEN**



Department of Information Technology

ITSPECTRUM

IT NEWS LETTER

Issue : Apr - Jun, 2026

Volume : 22



Vision of the Department

“To impart technical education producing competent and socially responsible engineering professionals in the field of Information Technology”.

Mission of the Department

- M1: To make the teaching–learning process more engaging, effective, and stimulating.
- M2: To impart strong foundational knowledge in sciences and information technology while fostering a positive attitude.
- M3: To create a conducive environment for developing skills and technologies aligned with industry needs.

Program Educational Objectives

- PEO1: Apply knowledge of mathematics and information technology to Analyze, design, and implement effective solutions for real-world problems in core as well as multidisciplinary domains.
- PEO2: Communicate effectively, work collaboratively in teams, uphold professional ethics, and leverage computing technologies for the betterment of society.
- PEO3: Pursue professional growth through lifelong learning, continuous skill enhancement, or higher education.

Program Specific Outcomes

- PSO1: Apply standard practices for software project development using hands-on programming skills for analysis, design and creation of software solutions.
- PSO2: Design networks and awareness of network security related issues.
- PSO3: Develop IT Application services with the help of different current engineering Tools.

Editorial Board

Mrs. A.Rajini Devi

Assistant Professor, Dept of IT.

K N S S J Naimisha (IV-I Student)

V. Chetana (III-I Student)

D. Sathvika (III-I Student)

A. Harika (II-I Student)

INFORMATION TECHNOLOGY

The Department of Information Technology was established in 2019 with an initial intake of 60 students. Since its inception, the department has been committed to providing excellent learning facilities and a dynamic academic environment that nurtures competent engineers capable of meeting both national and global industry standards.

The department's success is driven by the creativity, innovation, and dedication of its faculty and students. To strengthen technical competence, students are offered various in-house training programs designed to enhance their practical skills and domain expertise. The academic focus extends beyond theoretical knowledge, emphasizing holistic personality development through a blend of technical, analytical, and interpersonal skills.

The department regularly organizes workshops, seminars, and conferences to keep students and faculty abreast of emerging technologies in the field of Information Technology. Many of our students have secured placements in leading IT companies, while others have pursued higher education at top-ranked universities in the USA and other countries.





The collective efforts of both faculty and students have significantly contributed to the department's achievements and recognition. The Information Technology Students' Association (ITSA) plays an active role in organizing diverse academic and co-curricular activities such as quizzes, extempore sessions, mock interviews, debates, alumni seminars, guest lectures, and technical fests. ITSA also conducts specialized training programs to bridge curriculum gaps and explore topics beyond the syllabus.

Furthermore, students are encouraged to participate in social outreach programs and extracurricular activities, fostering a spirit of leadership, teamwork, and community engagement.



HOD'S MESSAGE

Dr. D. Shanthi

Postdoc (USA), PHD(CSE),
M.Tech(CSE), B.Tech(CSE), PG.Diploma
in AI(NITW), (M.SC.(Psychology), AU)
Professor & Head of the Department,
Department of Information Technology
Mobile: +91 8125174595
Email: drshanthicse@gmail.com

Dr. D. Shanthi brings 18 years of experience to her role as Professor and Head of the Department of Information Technology at VMTW, Hyderabad, India. She completed her Postdoctoral research at California Public University (USA) and holds a PG Diploma in AI & ML with a 3.66 CGPA from NITW. Dr. Shanthi earned her Ph.D. in Computer Science from JNTU Hyderabad in 2020. She comes from a core Computer Science Engineering background. She also qualified the UGC NET examination in 2024. Additionally, she holds 3 copyrights, including 2 national and 1 international. Dr. Shanthi has been invited as an expert by esteemed organizations such as RCI (Hyderabad), IEI (Hyderabad), Telangana State Residential Degree Colleges, Thiruvalluvar University (Tamil Nadu), SRM (AP),

and Chaitanya Deemed University (Hyderabad). She has 2 scholars from CDU and Lincoln University College (Malaysia), under her guidance one scholar got his PHD. She has also been recognized as a research guide by JNTUH. She has authored 45 research papers in prominent international and national journals, including IEEE, Springer, and Inderscience, and few are presented at notable conferences. Her research citations are 537 H-Index: 12 and I10 Index: 13 and one of her research article won the “Best Paper Award” in 2019. Her accolades include the “Young Scientist Award” from DK International Research Foundation Faculty Awards in 2019, the “Outstanding Research Faculty Award” from Amaravathi Research Academy Faculty Excellence Awards in 2020, and the “APJ Abdul Kalam Award” from Shikshak Kalyan in 2021. Dr. Shanthi has published 2 national-level books, 4 international books, 3 Scopus-indexed book with Bentham Science, and 1 AICTE local language translation of a Software Engineering textbook. She is an active member of professional bodies such as FSIESRP, MIAENG, LMCSI, MEMRC, and MIEEE, and serves on the editorial boards of several journals, including the American Journal of Software Engineering and Applications, IJERT, and Microprocessors and Microsystems (SCI Journal), Discover Computing (springer Journal).

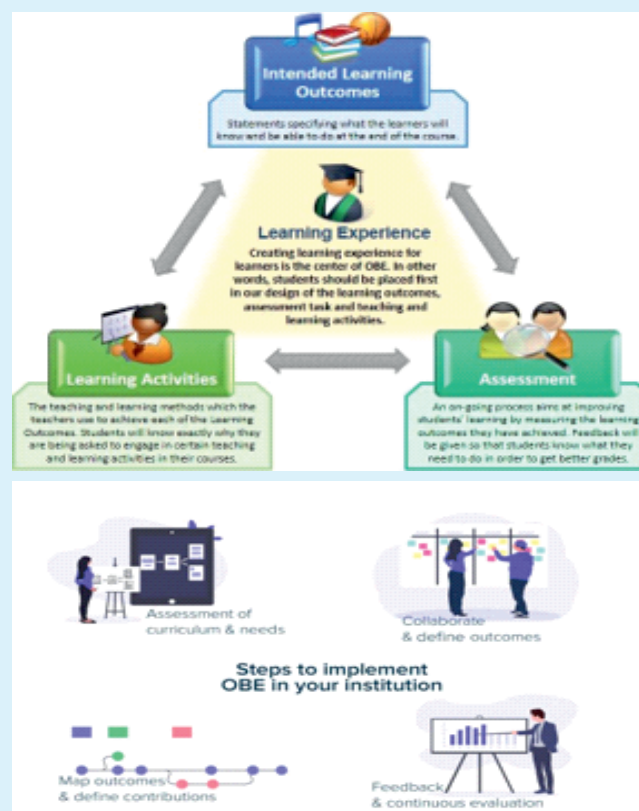


1.FACULTY ARTICLE ON Outcome-Based Education for Quality Learning

By Mrs. B. Archana
Associate Professor,
Dept of IT.



Outcome-Based Education (OBE) focuses on achieving measurable learning outcomes that prepare students for academic and professional success. Faculty members play a vital role in designing learner-centered teaching methods, continuous assessments, and practical activities aligned with course outcomes. Effective implementation of OBE enhances critical thinking, communication, teamwork, and problem-solving skills among students. Regular evaluation and feedback ensure continuous improvement in teaching and learning. By adopting innovative instructional strategies, faculty contribute to producing competent graduates who can meet the expectations of industry and society.

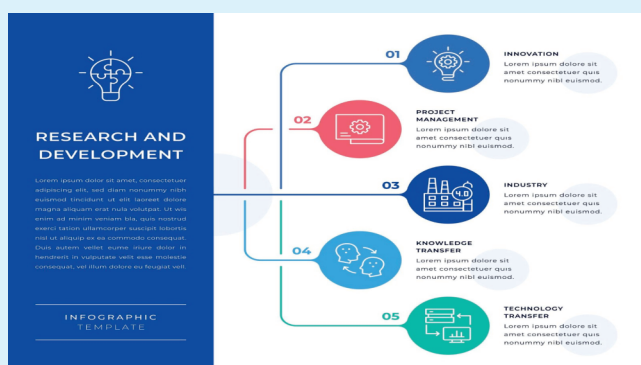


Title: Research and Innovation – Driving National Development

By Mrs. D. Kousari Kumari
Associate Professor,
Dept of IT.



Cyber security has become an essential part of modern education as students increasingly depend on digital platforms for learning. Faculty members play a vital role in creating awareness about safe online practices, including using strong passwords, enabling two-factor authentication, identifying phishing emails, and protecting personal information. Educational institutions should regularly conduct cyber security workshops, awareness campaigns, and practical demonstrations to help students recognize online threats. Encouraging responsible internet usage and digital ethics helps reduce cyber risks and protects institutional data. By promoting cyber security awareness, faculty can create a safer digital learning environment and prepare students to use technology responsibly in both academic and professional settings.



STUDENT'S PARTICIPATION

STUDENT'S ARTICLE ON INDIA'S DIGITAL TRANSFORMATION – A NEW ERA OF OPPORTUNITIES

By Mrs. Chala Navya Sri,
24UP1A1212,(III-YR)

Cyber security has become an essential part of modern education as students increasingly depend on digital platforms for learning. Faculty members play a vital role in creating awareness about safe online practices, including using strong passwords, enabling two-factor authentication, identifying phishing emails, and protecting personal information. Educational institutions should regularly conduct cyber security workshops, awareness campaigns, and practical demonstrations to help students recognize online threats. Encouraging responsible internet usage and digital ethics helps reduce cyber risks and protects institutional data. By promoting cyber security awareness, faculty can create a safer digital learning environment and prepare students to use technology responsibly in both academic and professional settings.



STUDENT'S ARTICLE ON RESPONSIBLE USE OF SOCIAL MEDIA IN THE DIGITAL AGE

By Balla Srujana,
24UP1A1206,(III-YR)



Social media has become an essential part of students' daily lives, providing access to information, learning resources, and global communication. It enables students to collaborate, showcase talents, and stay informed about current events. However, excessive use can lead to distractions, misinformation, cyberbullying, and privacy risks. Students should verify information before sharing it, maintain respectful online behavior, and protect their personal data by using strong passwords and privacy settings. Managing screen time and focusing on productive online activities can improve academic performance and mental well-being. Responsible use of social media helps students become informed, ethical, and digitally responsible citizens while making technology a powerful tool for personal and professional growth.

FAREWELL CEREMONY



The Department of Information Technology, VMTW, organized a memorable Farewell Ceremony to bid a warm farewell to the final-year students as they prepared to embark on the next phase of their academic and professional journey. The event celebrated their achievements, cherished memories, and the strong bonds formed during their years in the department. The program featured cultural performances, fun-filled games, interactive activities, and inspiring speeches by faculty members and students, creating an atmosphere of joy and nostalgia. Junior students conveyed their gratitude and best wishes through heartfelt messages and entertaining performances. The celebration concluded with a cake-cutting ceremony, group photographs, and refreshments, leaving everyone with unforgettable memories. The farewell reflected the department's commitment to fostering lifelong relationships, celebrating student success, and wishing the graduating students a bright and prosperous future.

PROJECT EXPO

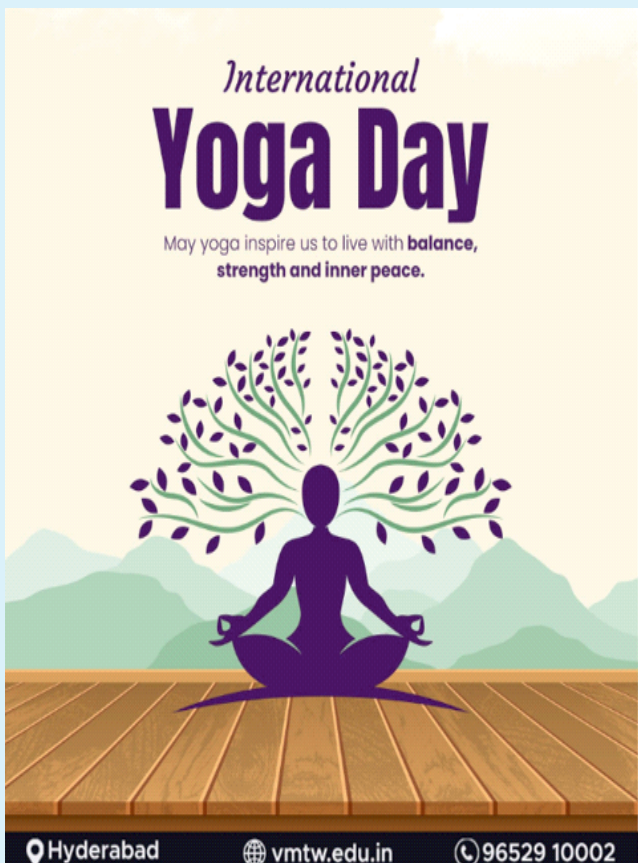




The Department of Information Technology, VMTW, successfully organized Project Expo 2026, providing an excellent platform for second, third, and fourth-year students to showcase their innovative projects, technical expertise, and creative ideas. Students presented projects in emerging domains such as Artificial Intelligence, Machine Learning, Web Development, Cybersecurity, Internet of Things (IoT), Data Analytics, and Software Development, demonstrating their problem-solving abilities and practical knowledge. Faculty members, students, and visitors actively interacted with the project teams, appreciating their innovation and providing valuable suggestions for improvement. The expo encouraged collaborative learning, technical excellence, and confidence in project presentation while enhancing students' communication and professional skills. Outstanding projects were recognized for their innovation, functionality, and presentation, making the event a grand success and reflecting the department's commitment to promoting research, innovation, and experiential learning.

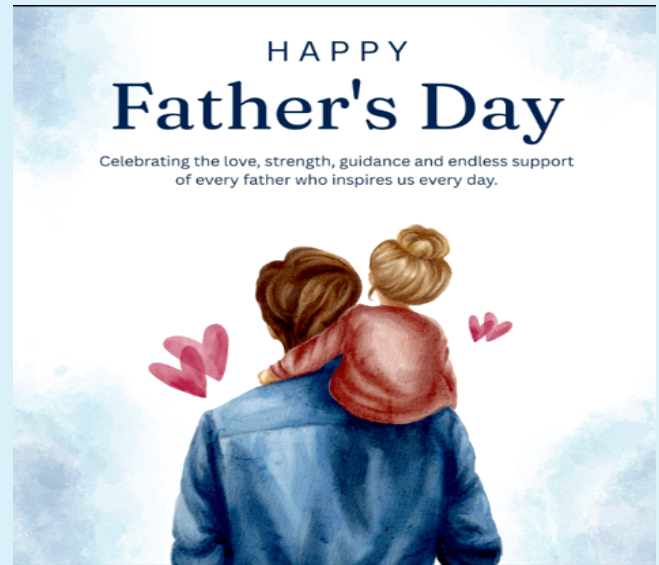


PROJECT EXPO



The Department of Information Technology, VMTW, enthusiastically celebrated International Yoga Day 2026 to promote physical fitness, mental well-being, and a healthy lifestyle among students and faculty members. The event featured guided sessions on yoga asanas, pranayama, and meditation, emphasizing the importance of regular yoga practice in improving physical health, concentration, emotional balance, and stress management. Students and faculty actively participated with great enthusiasm, making the program a meaningful and refreshing experience. The celebration created awareness about the benefits of yoga and encouraged participants to incorporate healthy habits into their daily lives. The event reflected the department's commitment to fostering holistic development, wellness, and a positive learning environment by inspiring individuals to lead healthier and more balanced lives.:

FATHER'S DAY – HONOURING OUR EVERYDAY HERO



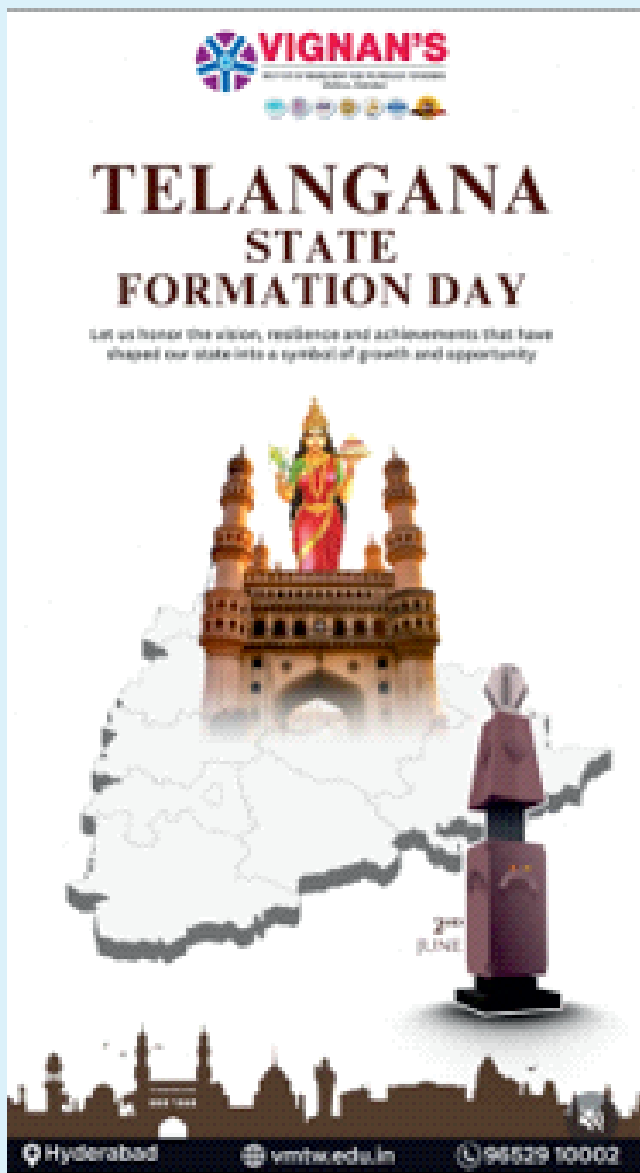
Father's Day is a special occasion celebrated to express love, gratitude, and respect for fathers and father figures who guide us throughout life. A father is not only a provider but also a mentor, protector, and source of inspiration. He teaches important values such as honesty, discipline, hard work, responsibility, and kindness. Every sacrifice a father makes helps shape the future of his children. On Father's Day, families celebrate by spending quality time together, giving thoughtful gifts, and expressing heartfelt appreciation. Students can make the day memorable by creating handmade greeting cards, writing thank-you notes, or simply thanking their fathers for their unconditional love and support. Father's Day reminds us to cherish our parents, appreciate their sacrifices, and strengthen the bond that lasts a lifetime.



HAPPY TELANGANA FORMATION DAY!

Jai Telangana! Jai JaiTelangana!

Today, we proudly celebrate the spirit, culture, rich heritage, and remarkable achievements of our beloved Telangana. May our state continue to grow with progress, innovation, and prosperity, inspiring future generations to dream big, embrace opportunities, and achieve greater success. Vignan's Institute of Management and Technology for Women (VMTW) extends its heartfelt wishes to all on this proud occasion. Let us honor the sacrifices of our leaders, preserve our glorious traditions, and work together to build a brighter, stronger, and more prosperous Telangana.



*Happy 2nd of June!
Happy Telangana State Formation Day!!*



Professional Societies/Bodies

Sl.No	Name	Designation	Professional Bodies	Validity
1	Dr. D. Shanthi	Professor & HOD	CSI	Lifetime
			IEEE	Yearly
			IAENG	Lifetime
			FSIESRP	Lifetime
			AIMERS	Yearly
			IFERP	Yearly
			MEMRC	Lifetime
2	Mr. R. Krishna Naik	Assistant Professor	CSI	Lifetime
3	Dr. J. Ranjith	Assistant Professor	IFERP	Yearly
			AIMERS	Lifetime
4	K. Helini Reddy	Assistant Professor	AIMERS	Yearly
			IFERP	Yearly
			IAENG	Lifetime
5	A. Eenaja	Assistant Professor	AIMERS	Yearly
			IFERP	Yearly
			IAENG	Lifetime
6	A. Rajini Devi	Assistant Professor	IAENG	Lifetime
7	S. Chandra Sekhar	Assistant Professor	IAENG	Lifetime
8	K. Sandhya Rani	Assistant Professor	IAENG	Lifetime
			FSIESRP	Lifetime
			AIMERS	Yearly
9	Mr. M. Srinivasarao	Assistant Professor	IAENG	Lifetime
10	D. Kousari Kumari	Assistant Professor	IAENG	Lifetime
11	Srikanth Kumar	Assistant Professor	IAENG	Lifetime
12	B. Archana	Assistant Professor	IAENG	Lifetime
			FSIESRP	Lifetime

Program Outcomes (Adapted from NBA)

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 and 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.

Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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 and 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 life-long learning in the broadest context of technological change.

