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SCIENCE | TECHNOLOGY | RESEARCH

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From the Editorial Desk

True Education Shapes Character, Not Just Careers

Between aspiration and action lies the true measure of an institution. The pages of this issue reveal not a sequence of events, but a living ecosystem where policy, practice, innovation, culture, and compassion intersect with purpose.

The national vision of Viksit Bharat, reflected in the emphasis on stability, self-reliance, and sustainable growth, finds a parallel on campus. Conversations on semiconductors, space technology, energy harvesting, and mathematical modeling are not isolated academic exercises; they are signals that young minds are being prepared for a future that demands competence and conscience in equal measure. When students step into construction sites, analyze cybersecurity threats, or engage with industry experts, learning shifts from abstraction to application. It becomes real, urgent, and transformative.

Yet progress here is not defined by technology alone. Cultural celebrations, Republic Day tributes, classical dance performances, and youth festivals affirm that identity and heritage remain central to growth. Discipline in the NCC parade, creativity in literary competitions, and confidence on stage remind us that education must shape character as much as careers.

Equally powerful is the spirit of outreach. Blood donation drives, village engagement programs, environmental initiatives, and community awareness campaigns demonstrate that knowledge carries responsibility. When students donate blood, plant trees, or support rural farmers, they begin to understand that leadership is measured not by position, but by contribution.

What emerges from these pages is a quiet but determined rhythm. The university is not merely preparing graduates; it is nurturing citizens capable of thinking deeply, acting ethically, and serving meaningfully.

In a rapidly changing world, that may be the most important lesson of all.

Dr. M. Malakondaiah
Advisor, VFSTR

ACSE SHINES BRIGHT

Faculty and Students Honoured with IIT Madras Star Certificates

Faculty members and students of ACSE were honoured with Star Certificates from IIT Madras for the July-December 2025 session. The awards recognize excellence in teaching, discipline, leadership, and academic performance. The achievement highlights the department's strong academic culture and commitment to continuous growth.

The Department of Advanced Computer Science and Engineering (ACSE) proudly celebrated the achievements of its faculty members and students during the July-December 2025 session, as they were honoured with prestigious Star Certificates from IIT Madras. These recognitions reflect consistent academic excellence, dedication to learning, and meaningful contributions to teaching, research, and professional development. The certificates were formally received on 01.02.2026, marking an important milestone in the academic journey of the recipients and bringing pride to the entire department.

Among the faculty members, Dr. Shaik Mastan Sharif, Senior Assistant Professor, was awarded the "Enthusiast Star" for his energetic involvement and continuous academic engagement. Dr. G. Kalaiarasi, Assistant Professor, received the "Discipline Star" in recognition of her structured and committed approach to academic excellence. Dr. Avvaru Subramanyam, Senior Assistant Professor, was honoured with the "Motivated Leader Star" for his inspiring leadership and active contribution to the department's academic initiatives. In addition, Jagrutha Aditya Koduru, Teaching Assistant, earned a Domain Certificate, reflecting strong subject expertise and academic performance.

The student community also brought distinction to the department through their achievements. Maheswari of III AIML was recognised with the "Believer" certificate, highlighting her dedication and academic commitment. Jonnala Parnika of IV AIML, along with K.V.N.S. Yeswanth Kumar and R. Divya Siva Sri of IV Data Science, received the "Discipline Star" certificate for their consistent performance and focused academic efforts.

The Head of the Department and the Dean congratulated all the awardees, appreciating their sustained hard work and valuable contributions toward strengthening the academic culture of ACSE. Their accomplishments not only reflect individual excellence but also showcase the department's commitment to nurturing talent and encouraging continuous growth.

These recognitions from IIT Madras stand as a testament to the dedication, perseverance, and academic spirit of the faculty and students of ACSE. They serve as an inspiration for others to pursue excellence with determination and consistency.

Dr. G. Kalaiarasi
Assistant Professor, ACSE

When the Construction Site becomes the Classroom

The field visit on retaining wall construction helped third-year Civil Engineering students connect classroom theory with real-world practice. By observing reinforcement detailing, construction procedures, and quality control measures on site, students gained practical insights into structural execution. The experience enhanced their confidence and prepared them for professional engineering challenges.

On 11.02.2025, third-year Civil Engineering students participated in a field visit organized as part of their course Advanced Reinforced Concrete Design, conducted by Mr.K.Bala Gopi Krishna, Assistant Professor. The visit was arranged after completing classroom design sessions on retaining walls, with the aim of helping students connect theoretical concepts with real-time construction practices. The students were taken to the ongoing retaining wall construction site at the N-Block and New Block area beside Vignan Lara, where they could witness the practical execution of what they had studied in class.

At the site, students closely observed the reinforcement detailing and bar bending arrangements. They examined how steel reinforcement was placed in different components of the retaining wall, including the stem, heel, toe, and counterfort regions. They also gained exposure to shuttering techniques, concreting procedures, curing methods, and safety practices being followed during construction. Seeing these processes in action helped them understand the importance of accuracy, sequencing, and quality control in structural work.

Mr. K. Bala Gopi Krishna, along with the site engineers, explained the step-by-step construction sequence and highlighted the practical challenges involved in implementing design specifications on site. The discussion covered quality checks, reinforcement standards, and coordination among engineers and workers. This interaction provided valuable clarity on how structural drawings are interpreted and translated into physical structures. Overall, the field visit offered meaningful experiential learning. It strengthened students' understanding of structural behavior, detailing standards, and construction methodology while also giving them insight into professional site management. By stepping out of the classroom and into an active construction environment, students gained confidence in applying their theoretical knowledge to real-world civil engineering practice, making their learning more practical, comprehensive, and industry-oriented.

K. Narendra Babu
III Civil

Break the Lock, Unlock the Block

A Hands-On Cybersecurity Challenge

The "Break the Lock, Unlock the Block" CTF event organized by the ACSE Department and CLAW Cyber Club provided students with hands-on cybersecurity experience. Through challenges in password cracking, reverse engineering, defensive security, and backend vulnerabilities, participants strengthened their practical skills. The competition effectively connected classroom learning with real-world cyber defense practices.

With cyber threats growing rapidly across the world, it has become clear that cybersecurity education cannot remain limited to textbooks and classroom discussions. Understanding real-world attacks and defense mechanisms requires practical exposure. Keeping this in mind, the Department of Advanced Computer Science and Engineering (ACSE) at Vignan's University, under the CLAW Cyber Club, organized an engaging Capture The Flag (CTF) event titled "Break the Lock, Unlock the Block." The event provided students with an opportunity to test their skills in a safe, controlled, and competitive environment.

The CTF competition was conducted in multiple stages from January 29th to 31st, 2026, followed by an intense final round on February 4th, 2026. The event followed a progressive format where teams advanced by solving increasingly challenging tasks. Participants were evaluated based on accuracy, speed, analytical thinking, and problem-solving ability. The format encouraged students to think critically, work collaboratively, and perform effectively under time pressure.

One of the major challenge areas focused on password cracking. Through this task, students explored common weaknesses in authentication systems and understood how simple mistakes in password practices can lead to serious security breaches. This exercise highlighted the importance of strong authentication methods and secure password management in today's digital world.

Another exciting component of the competition involved reverse engineering. Students were required to analyse compiled programs to uncover hidden logic and retrieve embedded information. This hands-on experience helped them understand program execution, debugging techniques, and binary analysis-skills that are essential in malware analysis and software security. The event also introduced defensive security challenges that simulated the work of a Security Operations Center (SOC). Participants analysed system logs to detect suspicious activities and unusual behavior. This activity gave students insight into how organizations monitor systems and respond to potential cyber threats in real time.

In addition, backend server security tasks exposed students to common vulnerabilities found in server-side applications, including configuration errors and logical flaws. These challenges introduced them to penetration testing concepts and reinforced the importance of secure coding and backend development practices. Overall, the CTF event proved to be a highly impactful learning experience. A cash prize of ₹6,000 was awarded based on technical performance, but beyond the prize, students gained invaluable practical knowledge and confidence. The event successfully bridged the gap between theory and practice, demonstrating how hands-on competitions like CTFs can significantly enhance cybersecurity education and prepare students for real-world challenges.

Jahnavi Kamepalli
III Cyber Security

Session In Sight

Electronics Engineering
Shaping the Intelligent Future

The guest lecture on "Electronics Engineering: The Architect of the Intelligent Future" highlighted emerging technologies such as AI hardware, IoT, quantum computing, and advanced communication systems. Delivered by Shri Hari Babu Pasupuleti from C-DAC, the session inspired students to pursue innovation and research in next-generation technologies. It reinforced the vital role of electronics engineers in shaping a smart and self-reliant future.

The Department of Electronics and Communication Engineering at Vignan's Foundation for Science, Technology & Research organized a one-day expert guest lecture titled "Electronics Engineering: The Architect of the Intelligent Future" on 31 January 2026. The session aimed to give students and faculty a deeper understanding of how electronics engineering is transforming modern technology and driving innovation across industries. The lecture was delivered by Shri Hari Babu Pasupuleti, Scientist-G and Head of HPC, IoT, and Quantum Technologies at the Centre for Development of Advanced Computing (C-DAC), Bengaluru. With vast industry and research experience, he offered valuable perspectives on the evolving technological landscape.

The lecture introduced participants to emerging areas such as intelligent systems, artificial intelligence hardware, Internet of Things (IoT) ecosystems, quantum technologies, and national research initiatives aligned with India's vision of technological self-reliance. The speaker emphasized that the future of electronics lies in interdisciplinary integration, where hardware, software, and advanced algorithms work together to build systems that are efficient, secure, and adaptable to real-world needs.

Drawing from over two decades of professional experience, Shri Hari Babu discussed practical domains including VLSI design, embedded systems, FPGA development, cryptography, high-performance computing, and advanced communication systems. He highlighted major national initiatives such as Smart City Phase-2 programs, IoT sandbox platforms, quantum communication research, post-quantum cryptography, and the development of RISC-V-based processors. The establishment of large-scale data centers with strong computational capacity was also presented as a critical step toward strengthening India's digital infrastructure.

The session also explored fast-growing sectors such as AI accelerators, edge computing, electric vehicles, power electronics, and next-generation wireless networks like 5G and upcoming 6G technologies. The speaker explained how electronics engineers are central to designing cyber-physical systems that support smart cities, sustainable energy systems, industrial automation, and secure communication networks. He encouraged students to continuously upgrade their skills, engage in research, and actively participate in innovation-driven projects to remain competitive in a rapidly advancing technological world.

Overall, the lecture provided a clear and practical understanding of the present and future opportunities in electronics engineering. It inspired students to consider careers in research and development, deep-technology startups, higher education, and system-level design. The session strengthened the connection between academia and industry, motivated participants to explore advanced technological domains, and reinforced the role of electronics engineers as key architects of intelligent, resilient, and sustainable systems for the future.

T. Srivalli Katyayani
II CSE

From Concept to Silicon

Exploring Semiconductor Technology and Career Opportunities in India

The session on semiconductor technology offered students practical insights into chip design, SoC architecture, EDA tools, and emerging trends like AI and Digital Twins. Delivered by an industry expert, the interaction highlighted career opportunities in VLSI and system design. It motivated students to strengthen their fundamentals and prepare for India's growing semiconductor sector.

Semiconductor technology is the invisible force powering today's digital world. From smartphones and laptops to automobiles, medical devices, and artificial intelligence systems, almost every modern innovation depends on advanced integrated circuits. For engineering students, understanding how these tiny chips are designed and developed is no longer optional-it is essential.

To provide deeper insight into this critical domain, the Department of Electronics and Communication Engineering at Vignan's Foundation for Science, Technology and Research organized an academic interaction session. The lecture was delivered by Mr. Shripad Deshpande, Senior Director - R&D at Synopsys Inc., who brought rich industry experience and practical knowledge to the discussion.

The session began with an introduction to System-on-Chip (SoC) architecture. An SoC integrates processors, memory units, communication modules, and other functional components onto a single chip. This high level of integration enables compact, energy-efficient, and high-performance systems, which are now widely used in smartphones, embedded devices, and smart technologies. The speaker explained how this evolution has transformed electronic design and manufacturing. He then walked students through the complete journey of chip development-from system specification and architectural planning to RTL (Register Transfer Level) modeling and physical implementation. Since semiconductor fabrication involves enormous cost and precision, extensive testing and verification are performed before manufacturing. These steps ensure that the chip functions accurately and reliably once it reaches the silicon stage.

A key highlight of the session was the role of Electronic Design Automation (EDA) tools. These advanced software tools help engineers simulate, verify, and optimize complex circuit designs before actual fabrication. By reducing design errors and improving efficiency, EDA tools significantly accelerate the development cycle and lower production risks.

The concept of virtual prototyping was also discussed, where a digital model of hardware is created to test software even before the physical chip is manufactured. This approach reduces time-to-market and enhances system performance. The speaker emphasized that verification has become one of the most critical stages in modern chip design due to increasing system complexity.

Emerging technologies such as Artificial Intelligence-driven design optimization and Digital Twin technology were introduced as future trends shaping the semiconductor industry. These innovations allow engineers to predict performance, monitor systems in real time, and make smarter design decisions, thereby improving efficiency and reliability.

Overall, the interaction provided students with valuable exposure to industry practices and clarified career pathways in VLSI design, semiconductor research, and system engineering. The session encouraged students to build strong technical foundations and align their academic preparation with the fast-evolving demands of the semiconductor ecosystem.

T. Devendar Raju
II AIML

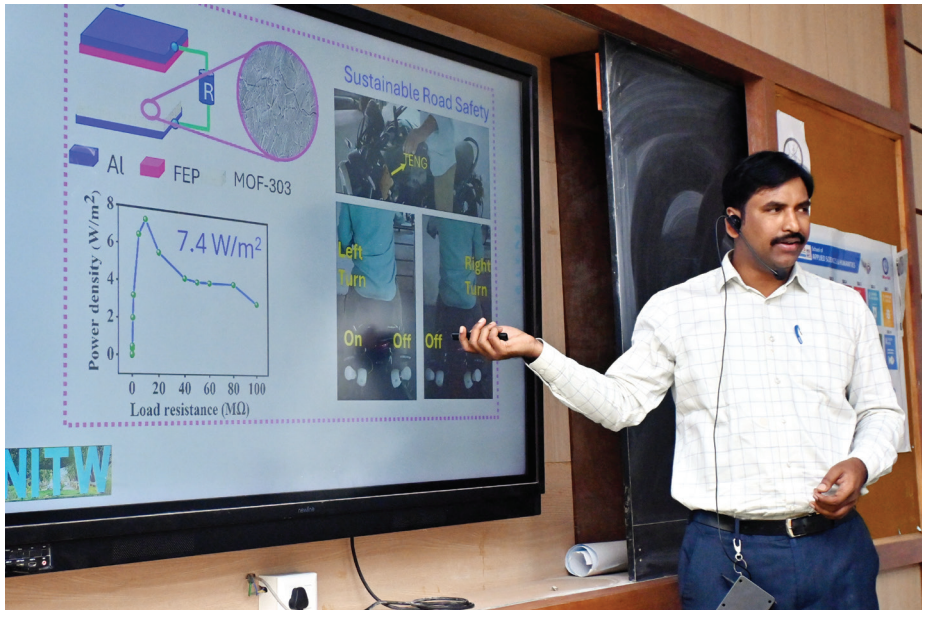
POWERING THE FUTURE WITHOUT BATTERIES

Guest Lecture on Small-Scale Energy Harvesting

VFSTR University organized an insightful guest lecture titled "Small-Scale Energy Harvesting: The Next Battery-Free Revolution" on 29th January 2026. The session was delivered by Dr. Rakesh from NIT Warangal, a distinguished researcher who completed his Ph.D. at the Indian Institute of Science (IISc), Bangalore.

Dr. Rakesh, who is actively involved in advanced research on energy harvesting and next-generation energy storage technologies, began by interacting with faculty members from the Department of Physics. He also engaged in meaningful discussions with research scholars and faculty from the Departments of Physics, Chemistry, and Mathematics, creating a collaborative academic atmosphere across disciplines.

During the lecture, he provided a clear and comprehensive overview of conventional battery technologies. He explained how batteries are manufactured, their performance limitations, and the environmental concerns associated with their large-scale use and disposal. With the rapid growth of portable electronics, wearable devices, and IoT-based systems, he emphasized that the demand for sustainable and efficient energy alternatives has never been greater. The session then moved toward recent advancements in battery efficiency and material innovation, highlighting the need to move beyond traditional energy storage systems. A major focus of the lecture was on small-scale energy harvesting techniques, which involve capturing ambient energy from sources such as vibrations, thermal gradients, and light. Dr. Rakesh explained how these techniques can enable self-powered electronic systems, potentially reducing or even eliminating dependence on conventional batteries in certain applications.

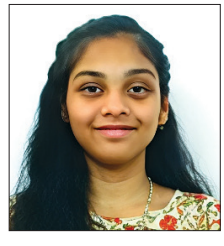


The guest lecture on small-scale energy harvesting introduced students to sustainable alternatives to conventional batteries. Dr. Rakesh highlighted innovative methods of capturing ambient energy to power electronic systems. The session encouraged interdisciplinary research and emphasized the importance of developing eco-friendly, self-powered technologies for the future.

One of the most engaging aspects of the lecture was the presentation of recent research developments, supported by laboratory demonstration videos. These demonstrations gave participants practical insight into experimental setups and ongoing work in the field, making complex concepts easier to understand and visualize.

The event witnessed enthusiastic participation from research scholars and faculty members across multiple departments. The lecture concluded with an interactive question-and-answer session, where participants discussed technical challenges, practical limitations, and future research directions in energy harvesting technologies.

The program ended with the felicitation of Dr. Rakesh by a faculty member from the Department of Physics, expressing gratitude for his valuable insights and contribution. The event reflected VFSTR University's continued commitment to fostering research excellence and encouraging academic engagement in emerging and sustainable technologies.



T. Vasavi Lakshmi Sree
III CSE

Building Balance Building Strength

Activity-Based Sessions on Work-Life Well-Being at VFSTR

In its continued commitment to holistic institutional development, VFSTR University organized a structured series of Activity-Based Interactive Sessions on Work–Life Balance and Emotional Well-Being for its non-teaching staff from February 9 to February 18, 2026. The initiative was conducted by the Academy for Faculty and Staff Development (AFSD) under the leadership of Prof. B. Seetharam Anjaneyulu, Dean – AFSD, along with Dr. Annapurna and Dr. Vijay Kumar Chavan, Associate Deans – AFSD, in collaboration with Prof. M. S. S. Rukmini, Dean – Students Affairs Office, and Ms. Shabana Azmi Shaik, Lead Counselling Psychologist. The sessions were facilitated by Mrs. Dakshayani, Senior Counselling Psychologist, and Mr. Krishna Galla, Senior Counselling Psychologist and Ph.D. Scholar.

The program was thoughtfully designed with a clear psychological and organizational objective: to strengthen emotional resilience, improve workplace communication, and promote a healthier balance between professional and personal life. Recognizing that non-teaching staff form the operational backbone of the institution, the sessions aimed to provide them with practical tools to manage stress, regulate emotions, and handle workplace challenges effectively.

> VFSTR conducted activity-based sessions on work–life balance and emotional well-being for non-teaching staff from February 9–18, 2026. Through discussions, role-plays, and self-assessments, participants learned practical anger management and stress control techniques. The initiative fostered emotional resilience, better communication, and a more positive workplace environment.

Each day focused on different groups, including junior and senior assistants, administrative departments, drivers, attenders, electricians, security staff, housekeeping personnel, and lab technicians. Across all sessions, the central theme remained consistent-understanding emotional triggers, especially anger, and learning constructive ways to respond rather than react. Discussions explored how workplace stress often spills over into personal life and how simple techniques such as deep breathing, time management, and reflective thinking can prevent emotional escalation. Interactive activities formed the core of the program. Communication exercises like Chinese Whisper demonstrated how miscommunication can lead to unnecessary conflict. Problem-solving group tasks allowed participants to analyse real workplace scenarios and identify healthier responses. Role-play activities helped security staff practice calm behaviour during confrontations. Leadership and team

coordination exercises encouraged responsibility, cooperation, and mutual respect. In every session, a Self-Assessment Questionnaire on Anger Management was administered and carefully explained, helping participants reflect on their emotional patterns and areas for improvement.

The response from participants was overwhelmingly positive. Staff members actively shared personal experiences, engaged enthusiastically in group activities, and appreciated the relatable and practical approach adopted by the facilitators. Many expressed that the sessions felt directly connected to their daily responsibilities and provided strategies they could immediately apply in their work and home environments.

Overall, the initiative successfully created a supportive platform for open dialogue about stress, emotions, and work–life integration. By combining psychological principles with interactive learning methods, the sessions strengthened emotional awareness, improved communication, and contributed to a healthier and more positive workplace culture at VFSTR.

Dharmasastha
IV BME

Academic Farmer Synergy for Sustainable Agriculture - A VIAT Initiative

The Vignan Institute of Agriculture and Technology (VIAT) launched a Village Adoption Programme to provide agro-advisory support and transfer location-specific technologies directly to rural farming communities. This initiative focuses on strengthening interactions between farmers, scientists, and students to promote climate-resilient farming and enhance rural productivity. The program has attracted international experts and includes recognizing local farmers for their contributions to sustainable agricultural transformation.

Under the visionary stewardship of Dr. Lavu Rathaiah, Chairman, Vignan Group of Institutions and Sri Lavu Sri Krishnadevarayalu, Vice-Chairman, Vignan Group of Institutions and Member of Parliament, the Vignan Institute of Agriculture and Technology (VIAT) continues the mission of Vignan's Foundation for Science, Technology and Research (VFSTR) to develop ethically grounded and globally competitive professionals capable of driving technological innovation and social transformation.

Expanding its academic excellence into the domain of sustainable agriculture, VIAT was established with a clear mandate: to supply technically sound human resources for the betterment of farmers and the agricultural sector. With a strong focus on extension services and agro-advisory support, VIAT launched the Village Adoption Programme on 17th September 2022 under the dynamic leadership of Dr. T. Ramesh Babu, Dean, VIAT & SAFT, VFSTR. The programme was initially implemented in Vejendla village and later extended to Vadlamudi village in Guntur district, establishing a structured and sustainable interface between the institute and rural farming communities.

Objectives of the Village Adoption Programme

- Direct transfer of location-specific agricultural technologies
- Strengthening farmer–scientist–student interaction
- Promoting sustainable and climate-resilient farming practices
- Enhancing productivity, profitability, and resource-use efficiency

Multidisciplinary Technical Interventions

A dedicated team comprising experts from-

- Crop Production (Agronomy, Horticulture, Soil Science)
- Crop Protection (Entomology, Plant Pathology)
- Agricultural Extension along with students, regularly visit the adopted villages to:
- Conduct field demonstrations and diagnostic visits
- Provide soil and crop management advisories
- Promote Integrated Pest Management (IPM) practices
- Train farmers on water conservation and nutrient management
- Introduce precision and smart farming approaches

The major crops cultivated in the adopted villages include Paddy, Maize, Blackgram, Jowar, Vegetables, and Chilli, reflecting diversified farming systems requiring integrated technical support.

Academic and Institutional Integration

The adopted villages serve as experiential learning platforms under the RAWE (Rural Awareness Work Experience) Programme, where students gain first-hand exposure to:

- Field-level crop production and protection challenges
- Socio-economic dimensions of rural agriculture
- Farmer decision-making behaviour
- Extension communication strategies

The programme has also attracted distinguished visits from academic and international experts, including Dr. Ch. Srinivasa Rao, Director & Vice-Chancellor, IARI, New Delhi, and Kent Helkman, Precision Agriculture Specialist from the Netherlands. Their field interactions with farmers and students strengthened knowledge exchange and promoted advanced precision agriculture practices. Additionally, NSS activities and farmer engagement programmes are regularly organized to foster community development and youth participation.

Farmer Recognition & Social Impact

In recognition of their collaboration and mentorship, nearly 30 host farmers were felicitated during Sankranthi Sambaralu 2025 and 2026 at VFSTR. This acknowledgment underscores the institute's commitment to participatory development and farmer-centric extension. Through this holistic initiative, VIAT continues to bridge academia and agriculture, empowering farmers with scientific solutions while nurturing socially responsible agricultural professionals committed to sustainable rural transformation.

M. Sundar Rao
IV B.Sc.(Hons) Agriculture

Dr. N. Harisha
Asst. Prof, VIAT

VIGNAN బాల MAHOTSAV

for Eternal Harmony

31 Jan - 2 Feb, 2026

A Grand Celebration of Talent, Spirit, and Youthful Excellence

Vignan Bala Mahotsav 2026 was far more than an event- it was a vibrant celebration of talent, passion, and youthful enthusiasm. Students from various schools gathered on one dynamic platform, transforming the campus into a lively space filled with creativity, excitement, and healthy competition. The festival commenced on an inspiring note with the unfurling of the National Flag and the Vignan Flag, symbolizing unity, pride, and shared purpose. The unveiling of the Bala Mahotsav mascot, Garuda, brought visible joy to young participants, while the torch relay and lighting of the cauldron created a powerful moment representing teamwork, continuity, and collective spirit.

The inauguration ceremony was graced by distinguished dignitaries whose words left a lasting impression. Dr. K. Meghana, CEO, encouraged students to learn beyond textbooks and actively seek experiential opportunities. Shri Lavu Sri Krishna Devarayulu emphasized the importance of nurturing young talent by providing meaningful platforms for growth. Prof. K. V. Krishna Kishore spoke about balancing academics with sports and cultural engagement for holistic development. Chief Guest Ms. Bhavya Vattikuti warmly connected with the students, motivating them to step beyond their comfort zones and reminding them that true success is built on patience, perseverance, and self-belief.

The sports competitions quickly turned the campus grounds into a

hub of energy and determination. Track events such as the 100 meters, 800 meters, and 4x100 meters relay highlighted speed and stamina, while football, volleyball, basketball, kabaddi, and kho-kho matches kept spectators cheering throughout intense semifinals and finals. The spirit of sportsmanship was evident in every match, with referees ensuring fairness and discipline. Whether celebrating victory or learning from defeat, participants gained confidence, teamwork skills, and unforgettable memories.

The cultural and fine arts competitions added color, rhythm, and artistic brilliance to the Mahotsav. Dance performances ranging from Western Solo and Group routines to classical forms like Kuchipudi and Bharatanatyam captivated audiences with graceful movements and expressive storytelling. Music events, including Carnatic Vocal Solo, Group Singing, Singing Idol, and Instrumental performances, filled the halls with melody and harmony. Students impressed judges not only with their technical skills but also with their stage presence and emotional connection to the audience.

Literary competitions sparked intellectual engagement among participants. English and Telugu Elocution contests encouraged confident speaking and thoughtful expression, while Essay Writing and Letter Writing competitions provided space for creativity and clarity of ideas. The Spell Bee tested vocabulary and quick thinking in an exciting format. Storytelling, Skit, and Mime performances added depth and meaning, often conveying powerful social messages through expressive acting and narration.

Vignan Bala Mahotsav 2026 was a vibrant celebration of sports, culture, literature, and creativity, bringing together students from various schools. The event promoted holistic development, teamwork, and confidence through diverse competitions and inspiring interactions. More than a festival, it became a transformative experience that empowered young minds with passion and self-belief.

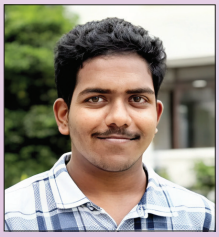
Creative arts competitions showcased imagination in visual form. Painting themes such as "Festival of Lights" and "Underwater Marine Life," along with Clay Modelling topics like "Land Animals" and "Vehicles," allowed students to express originality and artistic freedom. The Traditional and Fancy Dress competition celebrated cultural diversity and confident self-expression. Across all events, judges offered constructive feedback and encouragement, ensuring every participant felt appreciated.

One of the most thrilling highlights of the Mahotsav was the lively movie promotion event, which brought glamour and excitement to the campus. Interactions with actors and filmmakers created special memories for students and added to the festive atmosphere.

The valedictory ceremony concluded the celebration on an emotional and graceful note. Dignitaries reflected on the impact and success of the Mahotsav, reinforcing the value of holistic development. The release of the Bala Mahotsav Gazette symbolized the preservation of cherished memories and achievements. During the prize distribution ceremony, applause filled the auditorium as winners were honored, while equal recognition was given to the courage and effort of all participants.

Feedback from students, faculty, and parents confirmed that Bala Mahotsav was more than a series of competitions—it was a transformative experience. Students discovered hidden talents, formed new friendships, and gained self-confidence. Teachers observed improved communication and leadership qualities, while parents appreciated the inclusive and supportive environment fostered by the institution.

Vignan Bala Mahotsav 2026 will be remembered not only for its vibrant events but also for the inspiration it ignited. It celebrated participation, nurtured creativity, and empowered young minds to grow with confidence, resilience, and a spirit of excellence.



K. Sai Mukesh
II AIML

Mathematical Modeling

The Foundation of Knowledge Discovery

The guest lecture on Mathematical Modeling highlighted the vital role of mathematics and statistics in research and knowledge discovery. Dr. Tirupathi Rao Padi explained how simple observations, when analyzed systematically, can lead to meaningful models and insights. The session inspired students to strengthen their analytical thinking and view mathematics as a powerful tool for innovation and problem-solving.

Mathematics has always been at the heart of human progress. From scientific research and technological innovation to data analysis and decision-making, mathematical reasoning helps us understand and interpret the world in a clear and structured way. Recognizing this fundamental importance, the Department of Mathematics and Statistics organized an insightful guest lecture on January 21, 2026, to deepen students' appreciation of mathematics as a powerful tool for discovery.

The session was delivered by Dr. Tirupathi Rao Padi, Professor from Pondicherry Central University, who shared his rich academic experience and practical insights into the role of mathematical thinking in modern research. His lecture offered both conceptual clarity and real-world relevance, making the subject more approachable and meaningful for the audience.

During his address, Dr. Padi emphasized that excellence in teaching and research are closely interconnected. He explained that mathematics serves as the language of science and technology, while statistics functions as its grammar. Just as language and grammar together enable meaningful communication, mathematics and statistics together allow researchers to interpret complex data, analyze patterns, and solve real-life problems effectively.

He introduced the concept of mathematical modeling as a systematic method of representing real-world situations through equations, logical reasoning, and structured analysis. Mathematical modeling, he explained, helps in simplifying complexity, identifying patterns, making predictions, and drawing reliable conclusions from data. This process forms the backbone of knowledge discovery and scientific advancement.

One of the most inspiring aspects of his lecture was the reminder that research does not always begin with complicated theories. Instead, it often starts with simple observations. Through careful thinking, questioning, and structured analysis, these observations can be developed into meaningful mathematical models. Such an approach not only strengthens analytical skills but also builds deeper scientific understanding and curiosity.

Dr. N. Seshagiri Rao, Head of the Department, expressed heartfelt gratitude to Dr. Padi for delivering such an enriching session. He highlighted that building a strong conceptual foundation in mathematics empowers students to pursue quality research and approach problems with confidence. The guest speaker was formally honored in recognition of his valuable contribution.

Faculty members and research scholars actively participated in the lecture, engaging thoughtfully with the ideas presented. The session encouraged everyone to view mathematics not merely as an academic subject, but as a dynamic and essential tool that drives innovation, discovery, and progress.

Overall, the lecture left a lasting impact on the participants. It reinforced the idea that even basic mathematical concepts, when applied systematically, can lead to meaningful discoveries. More importantly, it inspired students to cultivate analytical thinking, remain curious, and approach learning with clarity and purpose.

Shaik Shaistha
II CSE

AP SpaceTech Summit-2026

The First National Event in South India@Vignan

Held in collaboration with ISRO and DRDO, this summit focused on leveraging space technology for India's future development. A major highlight was the South India Rocketry Challenge, where students from over 40 schools and 30 engineering colleges showcased creative hydro and chemical rocket projects. The event inspired more than 250 participants to explore careers in space research through expert talks and hands-on innovative displays.





AP Space Tech Summit 2026 - A Memorable Learning Experience

The AP Space Tech Summit 2026, held at Vignan's University, Vadlamudi, from January 22 to 24, was truly an inspiring event for students passionate about science and technology. Organized in collaboration with the AP Space Tech Academy and Ananth Technologies, Hyderabad, the summit created a unique platform where students could interact with scientists, innovators, and industry experts. With the theme "Leveraging Space Technology for Viksit Bharat - 2047," the event highlighted how space technology can shape India's future. Listening to expert talks from scientists associated with ISRO and DRDO was a valuable experience that motivated many students to explore careers in space research and engineering. One of the most exciting parts of the summit was the South India Rocketry Challenge 2026. Students from schools and engineering colleges showcased their creativity through Hydro Rocket and Chemical Rocket projects. Seeing these projects in action made learning both fun and practical. The summit witnessed participation from over 40 schools, 30+ engineering institutions, and more than 250 participants, with 80+ innovative projects displayed. The energy, teamwork, and enthusiasm of the participants made the event truly special. Overall, the AP Space Tech Summit 2026 was not just an event, but a learning experience that inspired young minds to innovate, explore, and dream big in the field of space technology.

D. Varsha
III Biotechnology

VIGNAN'S UEAC'S OU

Inspire Health, Awaren

Nurturing Young Minds with Values and Knowledge

On Republic Day, UEAC conducted essay and quiz competitions to promote patriotism and constitutional values among students. The events encouraged awareness, creativity, and leadership in young minds.

UEAC conducted a Tree Plantation Drive at Vignan's University to promote environmental awareness and sustainability. Volunteers planted saplings and emphasized the importance of trees for a greener future.

Tree Plantation: Commitment to a Greener Tomorrow

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UEAC conduc distributio Ashramam O Tenali, sprea and care to The initiati compassion, connection respons

Blood is often called the essence of life and donating it can make the difference between life and death for countless patients. Understanding the critical role blood plays in healthcare, the UEAC team, in collaboration with GGH Guntur and Tenali Thalassemia Needs Blood Bank, organized a comprehensive blood donation camp on campus under the inspiring motto "Donate Blood, Save Life." The initiative aimed to instill humanitarian values among students while highlighting the urgent need for blood in hospitals and medical facilities.

The camp was strategically conducted across multiple venues including Block H, Block N, Block U, the Pharmacy, and Lara Seminar Hall, ensuring convenient access for all students and faculty members. The response from the campus community was truly remarkable. A total of 275 donors came forward to participate, demonstrating their commitment to social responsibility and the spirit of giving. The overwhelming participation reflected the collective enthusiasm and awareness among the students about the importance of blood donation in saving lives.

Beyond simply donating blood, the program provided an opportunity for students and volunteers to learn about the technical and humanitarian aspects of blood donation. Donors were guided through the process, informed about the different blood groups, and made aware of the critical situations where timely blood donations can prevent loss of life. The volunteers, on the other hand, gained practical experience in organizing, coordinating, and managing a large-scale social initiative, which enhanced their leadership, teamwork, and problem-solving skills. The camp was therefore both an educational and empowering experience for everyone involved. The initiative also reinforced the sense of empathy and social responsibility among participants. Donating blood is not just an act of

The UEAC team, along with GGH Guntur, organized a massive blood donation drive across multiple campus venues to instill humanitarian values in students. A total of 275 donors participated, highlighting the critical need for blood and the community's commitment to social responsibility. The initiative also served as an educational platform, teaching volunteers about the technical aspects of blood groups and life-saving healthcare practices.

UTREACH PROGRAMS

ness & Empowerment

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ted a blanket n at Gandhi ld Age Home, ding warmth the elderly. ve reflected , meaningful , and social sibility.

UEAC organized a millet awareness program to promote nutrition, healthy diets, and sustainable farming. Participants learned about millet benefits and cultivation. The initiative encouraged community engagement and eco-friendly practices.

Awareness of Millets: Nutrition and Sustainability

A Book from You: Spreading Knowledge on Republic Day

On Republic Day, UEAC organized "A Book from You" in Brahmanakodur village to promote reading and education. Volunteers distributed books and inspired students to learn and grow. The initiative created a positive impact on the community.

charity; it is a meaningful way to directly impact someone's life. Many students expressed the satisfaction and pride they felt after contributing to such a noble cause. For some, it was their first experience of donating blood, while for others it reaffirmed their ongoing commitment to humanitarian service. The presence and guidance of the faculty and UEAC coordinators ensured that the camp ran smoothly, efficiently, and safely, while also motivating more students to participate in future social initiatives. Moreover, the camp strengthened the bond between the university and the broader community. By collaborating with renowned organizations like GGH Guntur and Tenali Thalassemia Needs Blood Bank, the initiative bridged the gap between students and real-world social service, highlighting how campus programs can contribute meaningfully to society. The camp also served as a platform to raise awareness about the constant need for blood, encouraging participants to become regular donors and advocates for life-saving healthcare practices. The UEAC blood donation camp was more than just an event; it became a transformative experience for the university community. It promoted the values of compassion, social responsibility, and civic engagement among students and faculty. Through careful planning, effective coordination, and wholehearted participation, the initiative saved lives, inspired students, and demonstrated the powerful role educational institutions can play in fostering humanitarian values. The motto "Donate Blood, Save Life" came alive on campus, leaving a lasting impact on everyone involved and setting an example for future initiatives that serve society and promote the welfare of others.

R. V. Saranya
III CSE

The celebration of the 77th Republic Day was a huge success and was celebrated with great pride, patriotism, and a sense of gratitude. The campus was alive with the colours of our national flag, and the feeling of unity and national pride, which brings us together as Indians. It was not only a celebration but a tribute to our great nation and its values.

The celebration began with a feeling of enthusiasm and respect. The students expressed their love for the country through the beautiful music and dance performances, which reflected the essence of India's cultural diversity. Each performance had a message of unity and hope, reminding everyone present of the rich heritage that they are privileged to be a part of.

The campus celebrated Republic Day with a focus on national pride, featuring disciplined NCC parades and Taekwondo performances by students. Cultural music and dance acts highlighted India's diversity, while a solemn tribute was paid to the brave Jawans for their sacrifices. The event reinforced the constitutional values of justice, liberty, and equality, encouraging the youth to contribute positively to a progressive India.

Adding to the glory of the day were the disciplined Taekwondo performances and the NCC parade. The strength, discipline, and commitment reflected by the students in these performances are the qualities of a good citizen. The NCC cadets, marching with pride and confidence, reflected the determination and courage of the youth of our great nation. One of the most touching moments of the

celebration was the tribute paid to our brave Jawans. With great respect and gratitude, the gathering honored the supreme sacrifices of our Jawans who laid down their lives to safeguard our freedom.

The celebration of Republic Day is not just a celebration of a day; it is a reminder of the visionaries who have given us a constitution based on justice, liberty, equality, and fraternity. These are not just empty words; they are a promise shaped by sacrifice and hope, guiding us to a progressive and inclusive nation.

As the flag flew high, the spirit of responsibility in each heart presented there. The celebration filled a sense of responsibility in each heart to safeguard our unity, celebrate our diversity, and make a positive contribution to a progressive India for the generations to come.

The celebration of the 77th Republic Day at Vignan's University was a true reflection of unity, discipline, and respect for our nation.

Happy 77th Republic Day!

D. Kavya Sucharitha
III CSE

Vignan Mahotsav 2026

Celebrating "Eternal Harmony" in Spirit and Unity

The 19th edition of Vignan Mahotsav 2026 was a vibrant and unforgettable celebration held under the inspiring theme "Eternal Harmony." For three exciting days, the campus came alive with energy, creativity, and youthful enthusiasm. Students from various colleges gathered on one platform to compete, collaborate, and celebrate together. More than just a festival, Mahotsav 2026 became a beautiful reflection of unity, cultural exchange, and the joyful spirit of student life.

The celebrations began on a proud and ceremonial note with the unfurling of the National Flag and the Vignan Flag, symbolizing unity, responsibility, and a shared vision. The unveiling of the Mahotsav mascot, Garuda, added a strong identity and excitement to the event. The torch relay and lighting of the cauldron created a powerful and memorable moment, representing teamwork, continuity, and the enduring legacy of Mahotsav. The grand inauguration set an energetic tone that carried forward throughout the festival. The event was graced by the presence of respected dignitaries, including the Chairman, CEO, Vice Chancellor, and other distinguished guests. In their inspiring addresses, they emphasized the importance of balancing academics with sports and cultural activities. They encouraged students to move beyond classroom learning, believe in their potential, and develop discipline, leadership, and perseverance. Their words motivated participants to approach every competition with confidence and dedication.

Vignan Mahotsav 2026, themed "Eternal Harmony," was a three-day celebration of sports, culture, and creativity. Students from various colleges participated enthusiastically, building friendships and showcasing their talents. The festival combined competition with unity, leaving participants with confidence, memories, and a renewed spirit of togetherness.

Sports events formed one of the most thrilling aspects of Mahotsav 2026. The campus echoed with cheers during track races such as sprints and relays, where students displayed speed, stamina, and determination. Team games including basketball, football, volleyball, kabaddi, kho-kho, and throwball highlighted coordination and unity. Indoor competitions like chess and table tennis tested concentration and strategic thinking. The final matches were especially intense and exciting, with participants demonstrating true sportsmanship, whether in victory or defeat.

The cultural and fine arts events added rhythm, color, and artistic brilliance to the festival. Classical and Western dance performances captivated the audience with grace and synchronization, while musical competitions filled the air with melody through solo and

group performances. Literary events such as elocution, essay writing, and spelling bees provided students with a platform to express their ideas confidently and creatively. Meanwhile, creative arts competitions including painting, mehendi, mandala art, and clay modeling transformed the venue into a lively gallery of imagination and talent.

Participants from various colleges expressed appreciation for the excellent organization and warm hospitality of the event. Many students shared that Mahotsav helped them build friendships, exchange ideas, and experience healthy competition in a positive environment. The festival offered them an opportunity to showcase their talents on a broader stage while creating lasting memories.

A special highlight of the celebration was the movie promotion event, where film personalities interacted with students. Their presence added glamour and excitement to the campus, inspiring many students to explore creative interests alongside their academic goals.

The festival concluded on an emotional and celebratory note with the valedictory ceremony and prize distribution. Winners were honored for their achievements, and the efforts of organizers, volunteers, and participants were warmly appreciated. As Mahotsav 2026, themed “Eternal Harmony,” came to an end, students carried home not only awards but also confidence, friendships, and cherished memories. It was more than a series of competitions-it was a meaningful experience that strengthened unity, creativity, and the vibrant spirit of youth.

P. V. Satya
Sai Mani Kumar
III AIML

Two Days, One Mission

Building Road Safety Awareness in Guntur

The Two-Day Road Safety Awareness Campaign organized by VFSTR and the Transport Department, Guntur, combined social responsibility with experiential learning. Students actively engaged with the public to promote safe driving practices at major junctions in Guntur. The initiative strengthened practical understanding of transportation engineering while contributing to community safety and awareness.

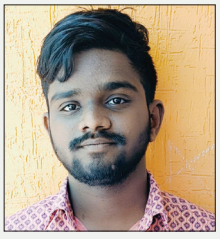
A Two-Day Road Safety Awareness Campaign was successfully conducted on 29th and 30th January 2026 by the Department of Civil Engineering, Vignan's Foundation for Science, Technology & Research (VFSTR), in collaboration with the Transport Department, Guntur District, Andhra Pradesh. The programme was coordinated by Dr. A.V.A. Bharat Kumar, Assistant Professor, Department of Civil Engineering, along with the District Transport Commissioner, Shri K. Sita Ramireddy. The campaign aimed to promote safe and responsible road user behaviour through public awareness and community engagement, recognizing road safety as a serious societal concern that directly impacts lives. Road safety is an important component of the Transportation Engineering course for B.Tech Civil Engineering students. This campaign provided a valuable opportunity to bridge classroom learning with real-world practice. B.Tech second-year and third-year students, along with Ph.D. scholars and laboratory technicians, actively participated in the initiative. For second-year students, who are yet to formally study Transportation Engineering, the event served as an early exposure to traffic systems and safety challenges. Third-year students, who had already completed the course, were able to relate theoretical concepts to practical field situations. The first day of the campaign was held at Hindu College Junction, Guntur, on 29th January 2026 at 10:00 AM. This busy junction, known for high traffic density and diverse road user interactions, provided an ideal setting for the awareness drive. The programme began with a briefing session by faculty members and Transport Department officials, who guided students on key road safety principles, communication skills, and public interaction methods. Students were then divided into groups and stationed at different points around the junction. They displayed placards carrying important safety messages, including the use of helmets and seat belts, avoiding mobile phone use while driving, preventing drunk driving and over-speeding, proper use of signal lights, and adherence to standard number plate regulations. They interacted directly with motorists, pedestrians, and commuters, encouraging them to follow traffic rules responsibly. The second day of the campaign took place at Chuttugunta Junction, Guntur, on 30th January 2026

at 3:30 PM, another location known for heavy traffic flow and complex movements. On this day, B.Tech third-year students took a leading role in conducting the awareness activities. They engaged actively with commuters, vehicle drivers, pedestrians, and nearby shopkeepers, reinforcing the importance of discipline on the roads. The presence of Ph.D. scholars and laboratory technicians ensured proper coordination, student safety, and smooth execution of the programme.

The campaign received a positive response from the public, and students expressed great enthusiasm and satisfaction in contributing to a socially meaningful cause. Overall, the Two-Day Road Safety Awareness Campaign successfully achieved its objective of sensitizing the public while enhancing students' practical understanding of transportation engineering. The initiative strengthened collaboration between VFSTR and the Transport Department, Guntur District, and highlighted the responsibility of academic institutions in promoting road safety. Beyond academic learning, the campaign instilled a sense of civic duty among students and reinforced the importance of evidence-based traffic safety practices for building safer communities.

The participated students were awarded certificates during the Road Safety Awareness Program closing ceremony. The event was graced by Shri Dr. Chandra Sekhar Pemmasani, Member of Parliament; Smt. Galla Madhavi, MLA, Guntur West; Shri Burla Ramanjaneyulu, MLA, Prathipadu; along with the Joint Collector, Guntur District, Project Director of National Highways Authority of India, the Transport Commissioner, Guntur District, and other dignitaries.

Venkat, III Civil



Zahur, III Civil

When RHYTHM SPEAKS

An Evening of Beautiful Bharatanatyam at Vignan

World-renowned dancer Dr. Bala Devi Chandrasekhar performed a captivating Bharatanatyam session at Vignan, using mudras and rhythmic footwork to tell stories of India's cultural richness. The performance emphasized the deep connection between dance, spirituality, and ancestral heritage. It served as a reminder of how movement can communicate across generations, celebrating the enduring vibrancy of Indian classical arts.

Every rhythm has a story; every gesture has an expression that transcends time and space. This integral connection between rhythm and motion was represented in a dramatic manner through the Bharatanatyam performance given by the world-renowned Dr. Bala Devi Chandrasekhar at Vignan.

Dr. Bala used graceful movements and rhythms to express the splendour of India's diverse cultural richness. Each of the movements she created was just as important as the way they formed an organic, cohesive whole representing rhythm, emotion and story told through the proper utilization of mudras, abhinaya, and the accompanying music. While watching her dance, the audience became aware of how important the rhythmic patterns she produced with her feet were to convey the meaning of each abhinaya. Each of the sections of the dance conveyed her ability to execute the technical aspects of Bharatanatyam; however, they also illustrated the relationship to spirituality, the connection between the dancer and the culture of India. This cultural event was a way for everyone to reconnect to a common ancestral heritage, and it was a reminder to all in attendance - students and guests alike - that what they witnessed was more than a performance; it was an expression of individuals, the community at large, their image of self, and how they develop as whole beings. Just as we observed the men and women dancing, they were able to demonstrate to us the history of humanity through their movements; as well as provide evidence that: (1) culture is alive and continuing through creativity; (2) it is possible to communicate across generations and distances through movement. This event purposefully celebrated heritage, grace, and the ability to communicate through movement-creating an experience to remember that acknowledges the vibrancy of the Indian culture that is still evident today.

S. Hasini
II CSE

Economy & India

Budget 2026-27

A CONFIDENT STEP TOWARD A CARING AND SELF-RELIANT INDIA

Budget 2026–27 focuses on stable growth, strong manufacturing, MSME support and green infrastructure while maintaining fiscal discipline. It promotes innovation, rural development and inclusive welfare. By combining reforms with responsibility, the budget lays a steady foundation for India's journey toward Viksit Bharat and long-term national confidence.

When the Union Budget 2026–27 was presented in February 2026, it carried a clear and steady message: India is ready to move from promises to performance. Rooted in the vision of Viksit Bharat, the budget focuses on long-term development rather than short-term applause. At a time when the global economy faces uncertainty, India's approach reflects confidence in its people, institutions and economic strength.

A key strength of this budget lies in its emphasis on macroeconomic stability. The government aims to sustain economic growth at around 7% while keeping inflation under control and maintaining fiscal discipline. With the fiscal deficit projected at 4.3% of GDP, the message is clear: development will not come at the cost of financial recklessness. The strategy is not about excessive spending, but about smart investment that secures long-term benefits for the country.

Manufacturing receives a strong push, especially in strategic sectors such as semiconductors, electronics, pharmaceuticals, chemicals and rare earth materials. By expanding initiatives like the India Semiconductor Mission 2.0 and reviving legacy industrial clusters, the government aims to strengthen domestic production and reduce critical import dependence. The goal is not isolation from the world, but resilience within it. At the same time, small and medium enterprises remain central to India's economic story. With a ₹10,000 crore SME Growth Fund, improved digital credit access through platforms like TReDS, and support mechanisms such as Corporate Mitras, the budget seeks to ease financial and compliance burdens. These measures are especially important for businesses in Tier-II and Tier-III cities. The belief is simple: when MSMEs grow stronger, employment expands and the economy becomes more inclusive.

India's services sector-spanning IT, healthcare, tourism, sports and creative industries-continues to power the new economy. The promotion of medical value tourism, the expansion of AYUSH institutions, and investment in AVGC (Animation, Visual Effects, Gaming and Comics) labs reflect a recognition of emerging opportunities.

Tax incentives for IT services and data centres further strengthen India's position as a global digital hub, creating jobs while attracting investment. Fisheries, horticulture, animal husbandry and high-value crops such as cashew, cocoa, coconut and sandalwood receive targeted support. Through initiatives like Bharat-VISTAAR, which integrates agricultural databases with AI-driven advisory systems, the government aims to modernize farming practices and improve market access. Infrastructure and energy remain pillars of long-term progress. Freight corridors, waterways, coastal shipping and industrial corridors are expected to reduce logistics costs and improve connectivity. Growth and environmental responsibility are presented as complementary goals rather than opposing choices. Initiatives like SHE Marts and Divyangjan-focused schemes highlight the importance of inclusion in nation-building.

Overall, Budget 2026–27 is not about dramatic announcements but about steady progress. It combines reform with compassion, investment with inclusion, and ambition with prudence. In doing so, it offers a practical roadmap toward a confident, resilient and caring India-one that is not merely preparing for the future, but actively shaping it.

Dr. Vijaykumar N.
Asst. Prof. Economics, SASH

We are the Future

We Are the Future
When I was younger,
I wanted to be a pilot.
That was the dream.
Twenty years later,
the only thing I can fly
is the Aviator plane on Betway.
And it's not just me -
it's my peers too.

What happened to us?
What happened to the zeal,
the energy,
the hunger we once had?

The elders keep telling us
that we are the future.
My first question is - really?
What kind of future do we want?
What are we going to build
differently?

Kids who barely know their fathers.
Kids who do nothing but
tweet and like posts.
Kids who crave likes and
comments like oxygen.
Kids addicted to drugs.
Kids who don't want to work
but expect to eat.

But today isn't the day
to remind ourselves of our misery.
Today is a wake-up call.
A day to gather our eggs
into one basket.
A day to reclaim our power.
Youth is strength.
Youth is innovation.
Youth is persistence.
Youth is effort.

Maybe the problem isn't the future.
Maybe it's us,
waiting for someone else
to hand it to us.
So today,
I stop betting on planes
and start building
my own runway.

Mupeta Fortune T
II EEE

A Pause is never a Stop

Vignan MCA Alumnus Succeed in Life

JOURNEY TO SUCCESS

success is not determined by where you begin, but by your willingness to improve, adapt, and persevere. Mrs. B. Lakshmi Tirupathamma and Mr. Shaik Khadar Vali endured various obstacles in their lives, but that only determined their passion towards studies and to improve themselves into their current careers.

Mrs. B. Lakshmi Tirupathamma's journey is a remarkable story of determination, resilience, and quiet strength. An alumna of Vignan's University, Vadlamudi, she pursued her Master of Computer Applications (2012-2015) during a phase of life when balancing higher education, marriage, and motherhood seemed almost impossible. At a time when many would have stepped back, she chose to step forward.

With admissions already closed and the first mid-term examinations completed, she courageously approached the Vice-Chancellor to request an opportunity to enroll in the program. Despite academic gaps and the pressure of catching up with coursework, she remained steadfast. Through sheer perseverance, disciplined effort, and an unwavering belief in herself, she successfully bridged the gap and proved her capability.

Her MCA program provided her with a strong foundation in computer science and information technology, equipping her with both technical knowledge and practical skills. In 2015, she began her professional journey in the IT industry, gaining valuable experience with reputed organizations such as ICON, Infosys, and Cognizant. Working on US client–based projects, she developed expertise in professional testing environments, corporate practices, and global work standards.

Although her career experienced a brief pause due to personal commitments, her journey remains a powerful testament to the strength of perseverance. Mrs. Lakshmi Tirupathamma's story continues to inspire students-especially women who strive to balance personal responsibilities and professional aspirations. Her life stands as proof that challenges do not define limitations; rather, resilience defines success.

Mrs. Atuluri Laya
II BCA

OFFICE OF THE DEAN, RESEARCH & DEVELOPMENT

Research Progression Report for the Month of February - 2026

1. Student Research Honours Stipend Amount Sanctioned in the Month of February-2026 : 1,00,000/-

S.No.	Student Names	Faculty Name	Department	Title	Amount
1.	V. Tulasi Pravaranwitha (221FA01053)	Dr. N. Anand Kumar, Assistant Professor	Biotechnology	"Computational Investigation of potential Bioactive Compounds Targeting Non-Alcoholic Fatty Liver Disease through Molecular Docking and Molecular Dynamics simulations"	50,000/-
2.	Ms. Veldurthi Moksha Madhumina (221FA01095)	Dr. N. Anand Kumar, Assistant Professor	Biotechnology	"Investigation of Bioactive Computational Compounds from Allium sativum against Hepatitis E Virus Using Molecular Docking and Molecular Dynamics Simulations"	50,000/-

2. Details of Ph.D.'s Awarded in the Month of January-2026

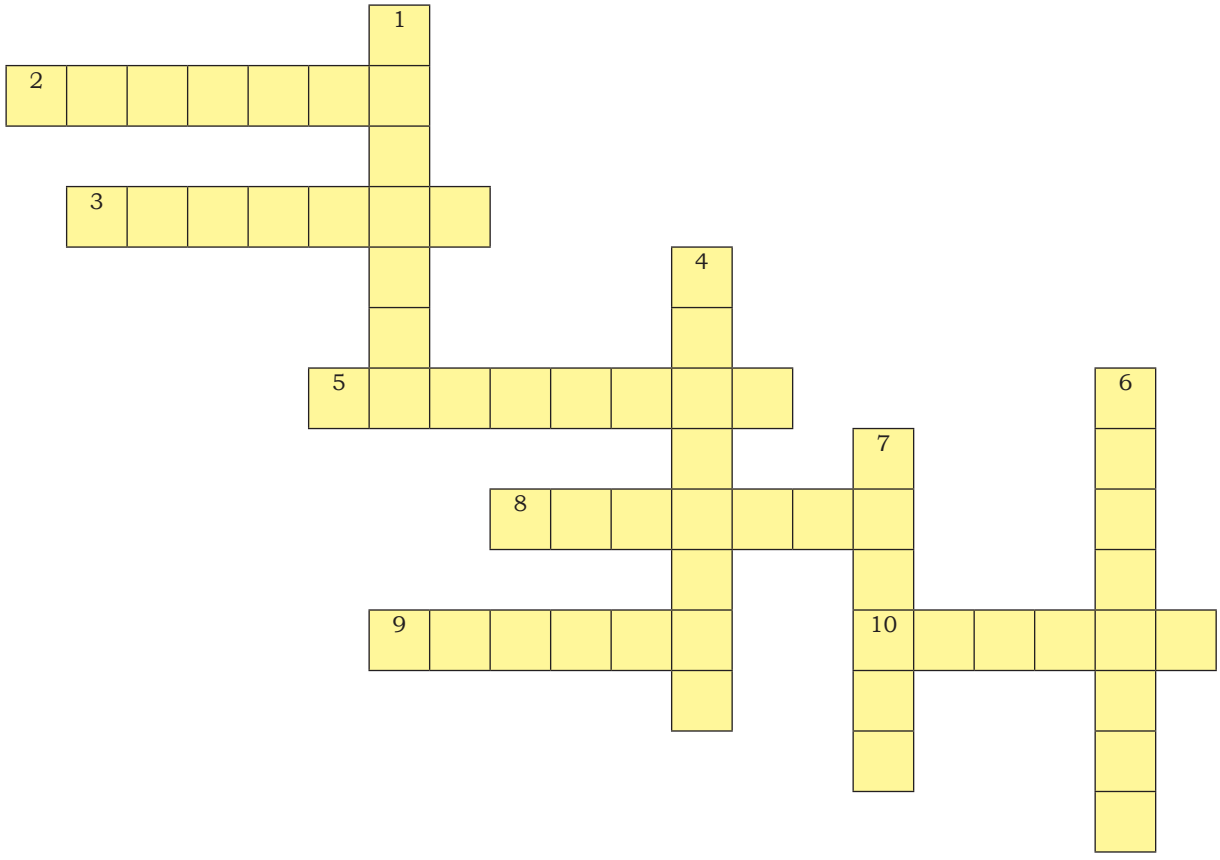
S. No	Scholar Name	Reg. No	Department	Thesis Title	Supervisor Name
1	P. Sini Raja	231PG04004	CSE	Optimization-Driven Multi-Stage Models for Adaptive and Human-Aligned Text Summarization.	Dr. M. Umadevi
2	R. Devendra Reddy	161PG04001	CSE	Cancellable Biometric Authentication System Using R G B Color-Based Template Transformation.	Dr. D. Venkatesulu
3	J. Amar	171PG04001	CSE	Energy - Efficient Communication Protocols for Wireless Sensor Networks.	Dr. D. Venkatesulu
4	J. Vidya Sagar	211PG31020	Chemistry	Rational Design and Development of Peptide-Based 1,2,3,4-Tetrahydroiso-quinoline, octahydroindole-2-carboxylic acid Pharmacophores Targeting RCC and MRSA Pathways	Dr. V. Srinivasadesikan

3. Details of National / International Conference / Seminar / Workshop / Symposium / FDP Organized in the Month of February 2026

S.No	Title	Department	Events	Faculty/Student	Date	Duration (Days)
1	IoT for Drone Development	ECE	Guest Lecture	Facultys, Students	18.02.2026	01
2	Dairy Processing and Functional Dairy Products	FT	Guest Lecture	Facultys, Students	18.02.2026	01
3	Recent Advances in Product Development and Baking Technology in the Food Industry	FT	Guest Lecture	Facultys, Students	19.02.2026	01
4	5G Wireless Networks	ECE	Guest Lecture	Facultys, Students	21.02.2026	01
5	An over view of Petroleum Refinery	Chemical	Guest Lecture	Students	21.02.2026	01
6	Electric Vehicle Ecosystem: Components, Challenges & Opportunities	EEE	Guest Lecture	Facultys, Students	21.02.2026	01
7	Emerging Career Opportunities in Agriculture and Skill Needed to Excel	AHS	Guest Lecture	Facultys, Students	21.02.2026	01
8	Foundation of VLSI & Embedded Systems	ECE	Guest Lecture	Facultys, Students	28.02.2026	01
9	Opportunities for Students and Faculties in Positioning and Precision Technologies	ECE	Guest Lecture	Facultys, Students	28.02.2026	01
10	Guidelines and Strategies for Writing High-Impact Q1 and Q2 Journal Papers: Insights for Ph.D Scholars and Faculty	Civil	Guest Lectures/Workshop	Facultys, Students	17.02.2026 to 18.02.2026	02
11	Devops Integration Techniques Using Git, GitHub, and Flask	CA	National Workshop	I MCA Students	11.02.2026 to 13.02.2026	03
12	A Two-Day National Workshop on Design Thinking for Management Students & Faculty	MBA	National Workshop	Facultys, Students	13.02.2026 to 14.02.2026	02
13	Enhancing Communication Skills for Academic and Professional Excellence (Online)	English	National Workshop	Facultys, Students	23.02.2026 to 27.02.2026	05
14	Generative AI Leader	ACSE	National Workshop	III B. Tech DS Students	25.02.2026 to 26.02.2026	02
15	Precise position Measurements using GNSS Data - A Geodetic Approach	Civil	National Workshop	Facultys, Students	26.02.2026	01
16	Data Visualization Using Power BI: Transforming Data into Insights	CA	National Workshop	Faculty, Students	26.02.2026 to 28.02.2026	03

17	Financial Intelligence for Future Managers an NISM Certified Workshop	MBA	National Workshop	Facultys, Students	27.02.2026 to 28.02.2026	02
18	Recent Trend on Quantum Cryptography (Online)	IT	National Workshop	Facultys, Students	27.02.2026 to 28.02.2026	02
19	Real time Big Data Processing to Spark	ACSE	Workshop	Facultys, Students	20.02.2026 to 21.02.2026	02
20	Computational Drug Design in Practice Workshop	Pharmacy	Workshop	Facultys, Students	24.02.2026 to 26.02.2026	03
21	Hands-on Workshop Build You ROBOT Build 4WD mobile robot with HC - 05 module	Mechanical	Workshop	Facultys, Students	27.02.2026	01
22	AIOT: From Sensors to Intelligents Systems	ACSE	Workshop	Facultys, Students	27.02.2026 to 28.02.2026	02
23	One-Day Capacity Building Workshop on Geopositioning and Accurate Coordinate Computation Using DGPS and Drones	Civil	Workshop /Webinar	Facultys, Students	26.02.2026	01
24	Industrial Visit to Royale Marine Impex Pvt. Ltd	FT	Industrial Visit	Facultys, Students	03.02.2026	01
25	Industrial Visit to Subram Water Plant	FT	Industrial Visit	Facultys, Students	09.02.2026	01
26	Railway Track Components: Sleepers, Ballast, and Track Structure	Civil	Industrial Visit	Facultys, Students	19.02.2026 or 20.02.2026	01
27	The Pattiseema Lift Irrigation Project is a major project in Andhra Pradesh	Civil	Industrial Visit	Facultys, Students	28.02.2026	01
28	Faculty awareness program on preparing quality project proposal	Off-campus (Hyd)	FDP	Faculty	07.02.2026	01
29	Quantum Computing	AFSD	FDP	Faculty	12.02.2026 to 14.02.2026	03
30	Faculty Interaction Session	ECE	Faculty interaction	Facultys, Students	20.02.2026	01
31	Opportunities for Students and Faculties in Positioning and Precision Technologies	ECE	Faculty Interaction	Facultys, Students	28.02.2026	01
32	Unmanned Aerial Systems (UAS): A Multidisciplinary Pathway for Future Engineers	ECE	Seminar	Facultys, Students	21.02.2026	01
33	National Science Day	Physics	Seminar	Facultys, Students	28.02.2026	01
34	VLE models and their applications in Petroleum Industry	Chemical	Webinar	Students	19.02.2026	01
35	Artificial intelligence applications in supply chain management	MBA	Webinar	Facultys, Students	21.02.2026	01
36	CoRE-AI Conclave on Responsible & Sustainable AI	CSE	Conclave	Facultys, Students	02.02.2026	01
37	Preparing Quality Project Proposal	AFSD	Faculty Awareness Program	Faculty	09.02.2026 to 10.02.2026	02
38	Work -Life Balance & Well-Being	AFSD	Interactive Session for Non-Teaching Staff	Staff	09.02.2026 to 17.02.2026	09
39	Seminar on Unmanned Aerial Systems (UAS) A Multidisciplinary Pathway for Future Engineers	ECE	One-day seminar	Facultys, Students	21.02.2026	01
40	Development of an Instant Nutri Porridge as a Rehydratable, Dysphagia Friendly Food	FT	Project Presentation	II-year Students	23.02.2026 to 24.02.2026	02
41	Engineering Edible Food-Contact Matrices from Citrus By-Product with Enhanced Functional Attributes.	FT	Physical mode project presentation	Dr. Sangeetha Asst. Prof	26.02.2026 to 28.02.2026	03
42	Matrix-Level Modulation of Nutritional Quality and Glycemic Behavior of Bread Through Plant-Based Functional Components.	FT	Physical mode poster presentation	Mr. Shaik Sadiq Hussain, TRA	26.02.2026 to 28.02.2026	03
43	Development of Dysphagia – Friendly Flameless Functional Porridge	FT	Oral presentation	III Year Students	26.02.2026 to 28.02.2026	03
44	Biosorption of Lead using Tamarind Fruit Shell	Chemical	Faculty Research Colloquium	Faculty	28.02.2026	01

Mathematics



Across

2) Closed plane figure with three or more straight sides.

3) Statement proven based on logical reasoning.

5) Number representing a part of a whole.

8) Branch of mathematics dealing with symbols and equations.

9) Quantity with both magnitude and direction.

10) Distance from the center of a circle to its edge.

Down

1) Whole number that can be positive, negative, or zero.

4) Study of shapes, sizes, and properties of space.

6) Mathematics of change involving derivatives and integrals.

7) Rectangular array of numbers arranged in rows and columns,

ANSWERS

Across : 2) Polygon 3) Theorem 5) Fraction 8) Algebra 9) Vector 10) Radius

Down : 1) Integer 4) Geometry 6) Calculus 7) Matrix

Hard work remains the essential foundation of any meaningful achievement, as it builds discipline, perseverance, and a deep understanding of the task at hand. Just as one must first learn to walk before learning to run, individuals must cultivate the habit of sustained effort before attempting to work more strategically. Smart work becomes truly effective only when it is supported by the experience, skills, and resilience developed through hard work. In this sense, smart work is not a substitute for hard work, but rather its natural progression and refinement.

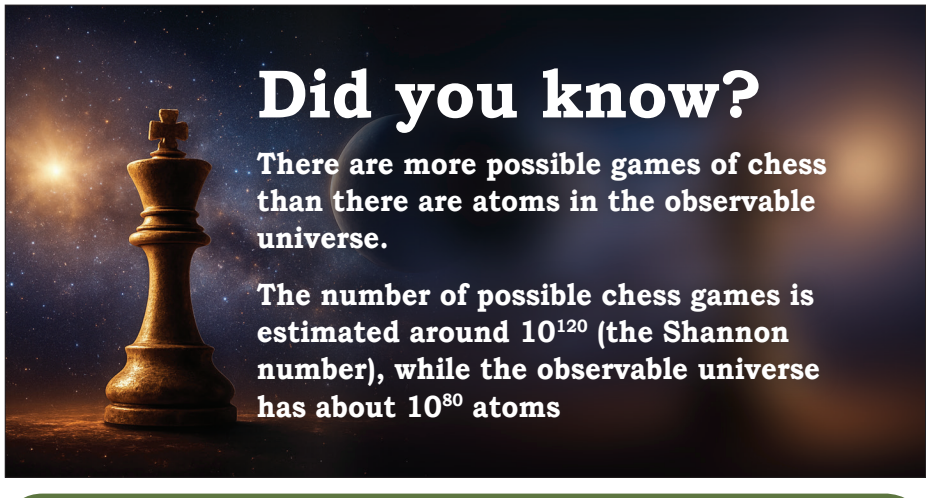
Dr. D. Adam Stephen, HoD, SS&H, Associate Professor, Sociology, VFSTR

Funology

Knowledge Check

1. If engineers had a favorite constant, it would most likely be:
   A) 1
   B) 0
   C) π
   D) ∞
2. What is the only number that engineers truly fear?
   A) 0
   B) 1
   C) −1
   D) Undefined
3. When an engineer says a project is "almost linear," it usually means:
   A) It follows a straight-line equation
   B) It's easy to solve
   C) Small errors may grow exponentially
   D) It is perfectly proportional
4. Why do engineers love matrices?
   A) They look complicated
   B) They solve many variables at once
   C) They avoid real-world problems
   D) They eliminate calculus

Answers : 1. C) π 2. D) Undefined 3. C) Small errors may grow exponentially 4. B) They solve many variables at once



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"The great aim of education is not knowledge but action." – *Herbert Spencer*

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From the readers

Our magazine transcends the typical definition of a publication, serving instead as a dynamic and comprehensive exploration of the multifaceted dimensions of campus life. Each edition offers a vivid reflection of the inherent energy, innovative intellectual currents, and continuous activity that characterize our university environment, extending well beyond the confines of academic coursework and laboratory sessions.

I particularly appreciate the magazine's distinctive capacity to document moments that frequently elude widespread notice-the rigorous effort underlying campus initiatives, the inventive spirit demonstrated by our students, and the motivation driving every project. By prioritizing student narratives, the magazine achieves a sense of profound relevance and personal connection. It effectively establishes a crucial forum for the exchange of perspectives, the recognition of achievements, and the subtle cultivation of inspiration. Encountering accounts of peers who embrace calculated risk, undertake experimentation, and exhibit leadership provides a substantial stimulus for many of us to overcome personal constraints and pursue novel endeavors. I look forward with anticipation to future issues that will continue to accurately capture the authentic momentum of student life and articulate narratives of genuine significance.

M. Sasank Chowdary
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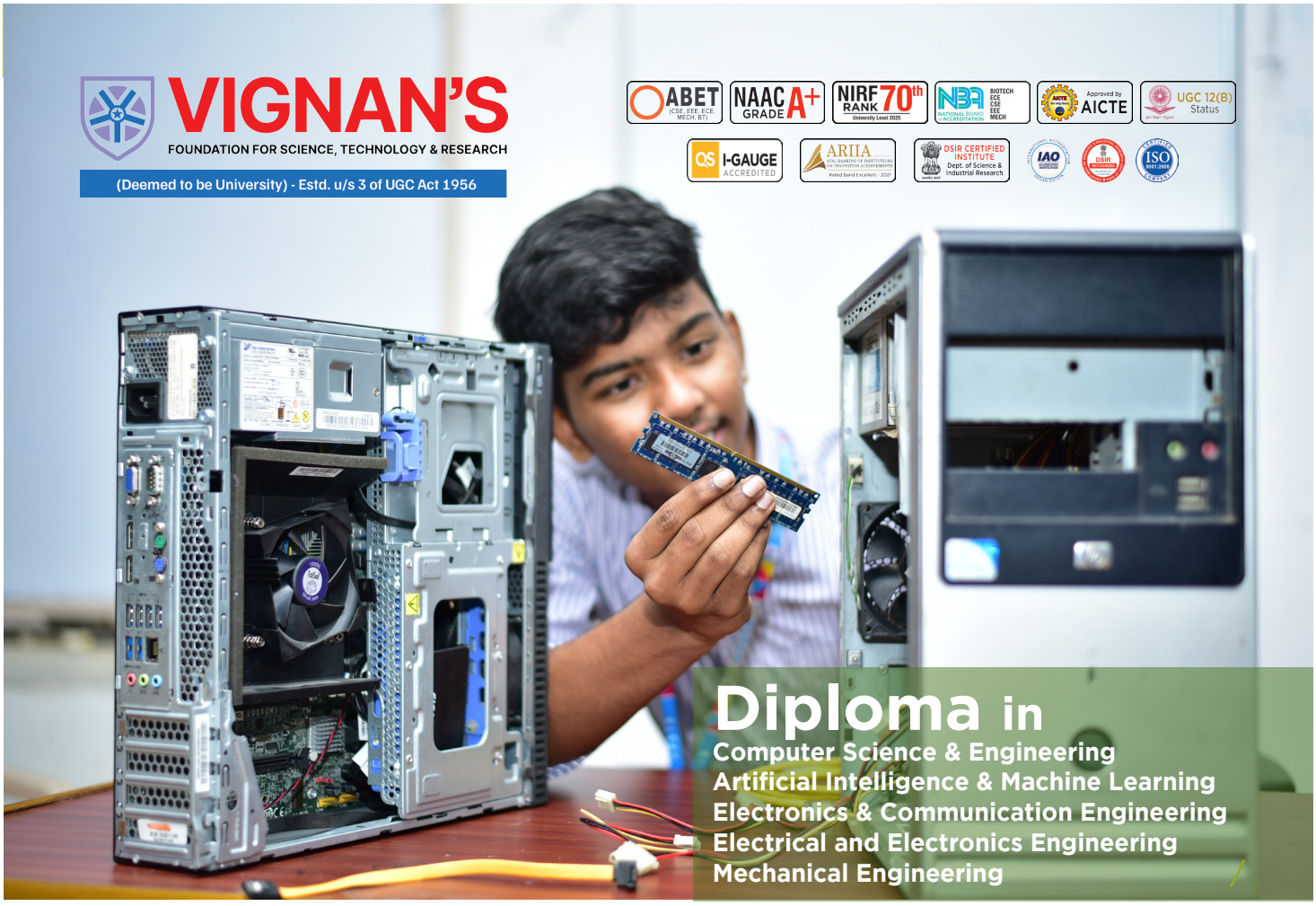

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