



GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING

(Autonomous)

Approved by AICTE & Affiliated to Andhra University, Visakhapatnam from 2022-23

(Affiliated to JNTUK, Kakinada upto 2021-22)

Accredited by NAAC at 'A++' Grade for 7 years in the 3rd Cycle



Indian Concrete Institute

REPORT

On

CIVISTA 2K26

16th March 2026

Organized by

Department of Civil Engineering

Gayatri Vidya Parishad College of Engineering

(Autonomous)

Under the aegis of Indian Concrete Institute (ICI)
Student chapter

Date: 16th March 2026

Venue: Civil Seminar Hall, Gayatri Vidya Parishad College of Engineering (Autonomous).

Members Attended :

- **Prof. G. Papa Rao**
Head of the Civil Engineering Department, GVPCE (A)
- **Prof. Manchikanti Srinivas**
Dean, alumni relations & professional body student chapters, GVPCE(A)
- **Dr. G.Madhuri**
Co ordinator of ICI student chapter , Associate Professor, GVPCE(A)
- **Faculty members**
- **Students from GVPCE(A) and other colleges**

DESCRIPTION

The ICI Student Chapter took the initiative to organize a successful event . The students showcased their organizational skills and enthusiasm, making the event a grand success. The Civil Engineering Tech Fest was a highly engaging and educational event that brought together students to showcase their creativity, technical knowledge, and practical skills. The fest featured a range of competitions that simulated real-world engineering scenarios, including **CBCT , core quiz , Autocad & Revit , Survey treasure hunt , Trusses challenge , Case study presentation , Recycle waste to wonder , Famous structure rapid fire** . These events provided a perfect blend of fun, learning, and hands-on experience for budding civil engineers. The participants were awarded certificates and prizes, recognizing their achievements and motivating them to strive for excellence. The certificates were graciously distributed by esteemed faculty members, including **Prof. Manchikanti Srinivas sir, Prof G. Papa Rao sir , V.M Naidu sir, Dr .G.Madhuri mam and J. Sumasree mam**, who acknowledged the active participation and enthusiasm of all participants. The event was a resounding success, reflecting the chapter's commitment to promoting academic excellence, teamwork, and industry interaction. The venue was transformed into a hub of activity, with colorful banners, posters, and exhibits showcasing the latest developments and innovations in civil engineering. The meticulous planning and execution of the event, from registration to logistics and hospitality, ensured a memorable experience for all. As participants gathered at the venue, the atmosphere was electric with anticipation and excitement, making the event a truly unforgettable experience

CBCT- CONCRETE BLOCK & COMPRESSION TEST

The **Concrete Block Compression Test (CBCT)** was one of the most important and engaging events at the Civil Engineering Tech Fest. In this competition, students were tasked with testing the strength of concrete blocks by conducting a compression test. Participants were given a set amount of time to prepare the specimen, place it in the compression testing machine, and apply load gradually until failure. The objective was to determine the maximum load the block could withstand and calculate its compressive strength, showcasing both technical knowledge and practical skill.



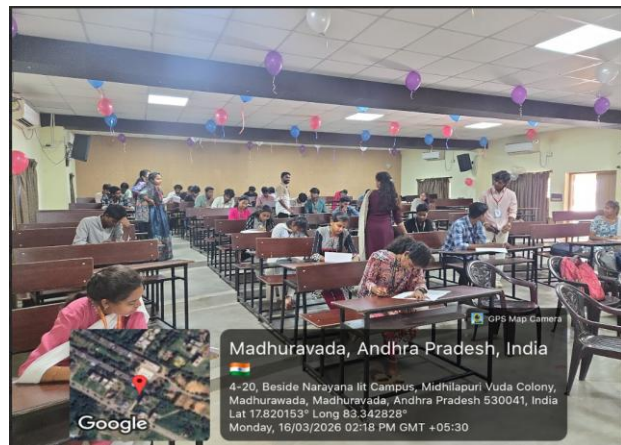
The CBCT competition was a great way for students to demonstrate their problem-solving ability, precision, and understanding of material behaviour. They had to think carefully about factors such as **block dimensions, alignment, loading rate, and failure patterns**. **The judging was based on accuracy of procedure, presentation of results, and technical skill**. The event provided a platform for students to learn from each other, share their approaches, and showcase their talents in material testing.



The winners of the **Concrete Block Compression Test (CBCT)** competition were announced, with **Sri Vishnu Engineering College for Women securing the first prize and Gayatri Vidya Parishad College of Engineering (Autonomous) taking the second prize**. The winning teams were awarded prizes and certificates in recognition of their outstanding technical skills, accuracy, and presentation in conducting the compression test. The event highlighted the importance of precision, teamwork, and innovation in civil engineering laboratory practices, and stood as a testament to the Tech Fest's commitment to promoting academic excellence, practical learning, and innovation among students.

CORE QUIZ

The **Core Quiz** was one of the most knowledge-driven and engaging events at the Civil Engineering Tech Fest. This competition tested the participants' understanding of **fundamental civil engineering concepts, practical applications, and problem-solving abilities**. Students were challenged with a series of thought-provoking questions covering topics such as structural analysis, material testing, geotechnical engineering, transportation, and environmental engineering. The quiz was designed not only to assess academic knowledge but also to encourage **quick thinking, teamwork, and clarity in applying concepts to real-world scenarios**.



The Core Quiz provided a platform for students to showcase their technical expertise, logical reasoning, and competitive spirit. Participants had to think critically and respond under time constraints, making the event both intense and exciting. The judging was based on accuracy, depth of knowledge, and the ability to explain answers clearly. The event was a huge success, with students demonstrating their strong grasp of civil engineering fundamentals and impressing the judges with their confidence and analytical skills.



The winners of the **Core Quiz** competition were announced, with **Team B. Rahul (VRSEC)** and **B. Charan (GVPCE(A))** securing the first prize and **Team K. Sandeep and SMV Sathwik (GVPCE(A))** taking the second prize. The winning teams were awarded prizes and certificates in recognition of exceptional knowledge, quick thinking, and problem-solving skills in civil engineering fundamentals.

AUTO CAD

The **AutoCAD** competition was one of the most technically enriching events at the Civil Engineering Tech Fest. This event focused on testing students' proficiency in computer-aided design, where participants were challenged to create accurate and innovative drawings using AutoCAD software within a given time frame. The tasks included preparing civil engineering drawings such as **building plans, structural layouts, and detailing, requiring precision, speed, and creativity.**



The competition provided a platform for students to showcase their technical expertise, drafting skills, and design innovation. Participants had to demonstrate not only their command over AutoCAD tools and commands but also their ability to apply engineering concepts effectively in digital drawings. The judging criteria were based on accuracy, presentation, creativity, and adherence to engineering standards. The event was a huge success, with students producing high-quality designs that impressed the judges. It highlighted **the importance of digital tools in modern civil engineering practice and encouraged students to integrate technology with engineering knowledge.**



The winners of the **AutoCAD competition** were announced, with **V. Naga Subash (Aditya University)** securing the first prize and **G. Yashwanth Kumar (Aditya University)** taking the second prize. The winning participants were awarded prizes and certificates in recognition of their exceptional drafting skills, precision, and creativity in preparing engineering drawings using AutoCAD. The event highlighted the importance of digital design proficiency in civil engineering and stood as a testament to the Tech Fest's commitment to promoting **academic excellence, practical learning, and innovation** through modern engineering tools.

SURVEY TREASURE HUNT

The **Survey Treasure Hunt** was one of the most exciting and interactive events at the Civil Engineering Tech Fest. Designed to combine technical knowledge with fun, this competition challenged participants to apply surveying principles in a real-time treasure hunt format. Students were given clues and tasks that required them to use surveying instruments such as **theodolites, total stations, and leveling equipment to locate points, measure distances, and solve practical problems**. Each clue led them closer to the “treasure,” testing not only their technical accuracy but also their teamwork, time management, and problem-solving skills.



The event provided a unique platform for students to blend classroom learning with field application, making surveying concepts more engaging and practical. Participants had to think critically, interpret clues correctly, and execute precise measurements to progress through the hunt. The judging was based on **accuracy, speed, and the ability to work effectively** as a team. The Survey Treasure Hunt was a huge success, with students showcasing their technical expertise, creativity, and enthusiasm.



The winners of the **Survey Treasure Hunt** competition were announced, with **Team B. Madhumathi, K. Likitha, and C. Vennela (GVPCE(A))** securing the first prize and **Team B. Himabindhu, A. Shruthi, and G. Vyshnavi (GVPCE(A))** taking the second prize. The winning teams were awarded prizes and certificates in recognition of their technical accuracy, teamwork, and problem-solving skills in applying surveying principles through this interactive treasure hunt format. The event highlighted the importance of **practical learning, collaboration, and innovation** in civil engineering, standing as a testament to the Tech Fest's commitment to promoting academic excellence and hands-on application of knowledge.

TRUSSES CHALLENGE

The **Trusses Challenge** was one of the most thrilling and technically demanding events at the Civil Engineering Tech Fest. In this competition, students were tasked with designing and constructing truss models that could withstand applied loads while maintaining structural stability and efficiency. Using limited materials and a fixed time frame, participants had to apply their knowledge of structural analysis, load distribution, and geometry to create strong yet innovative truss designs. The challenge tested students on their **engineering judgment, creativity, and problem-solving skills**. They had to carefully plan the arrangement of members, ensure proper load transfer, and balance strength with material economy. The judging criteria included structural performance under load, accuracy of design, innovation, and overall presentation.



The event provided a platform for students to connect theory with practice, showcasing how fundamental concepts of trusses are applied in real-world engineering. Participants impressed the judges with their innovative designs and practical execution, making the competition a huge success. The Trusses Challenge stood as a testament to the Tech Fest's commitment to promoting **academic excellence, practical learning, and innovation** in civil engineering.



The winners of the **Trusses Challenge** competition were announced, with **V. Naga Subash (Aditya University)** securing the first prize and **G. Yashwanth Kumar (Aditya University)** taking the second prize. The winning participants were awarded prizes and certificates in recognition of their exceptional engineering judgment, creativity, and problem-solving skills in designing and constructing truss models capable of withstanding applied loads. The event highlighted the importance of structural analysis, load distribution, and innovation in civil engineering practice, and stood as a testament to the Tech Fest's commitment to promoting **academic excellence, practical learning, and innovation** among students.

CASE STUDY PRESENTATION

The **Case Study Presentation** was one of the most intellectually engaging events at the Civil Engineering Tech Fest. This competition provided a platform for students to analyze real-world engineering problems, develop practical solutions, and present their findings in a structured and professional manner. Participants were required to select a case study, conduct thorough research, and prepare a detailed presentation highlighting the problem statement, methodology, analysis, and proposed solutions. The event tested students on their technical knowledge, analytical ability, communication skills, and presentation style. Judges evaluated the teams based on **clarity of thought, depth of research, innovation in solutions, and the effectiveness of their presentation.**



The event tested participants on their **technical knowledge, analytical ability, communication skills, and presentation style.** Judges evaluated the teams based on clarity of thought, depth of research, innovation in solutions, and the effectiveness of their delivery. By encouraging students to critically examine engineering challenges and propose feasible solutions, the Case Study Presentation highlighted the importance of problem-solving, innovation, and professional communication in civil engineering. It stood as a testament to the **Tech Fest's commitment to promoting academic excellence, practical learning, and industry readiness** among students.



The winners of the **Case Study Presentation** competition were announced, with **K. Ramu (GVPCE(A))** securing the first prize and **K. Sandeep (GVPCE(A))** taking the second prize. The winning participants were awarded prizes and certificates in recognition of their analytical ability, technical knowledge, and effective communication skills in presenting real-world civil engineering problems and solutions.

RECYCLE WASTE TO WONDER

The **Recycle Waste to Wonder** competition was a creative and sustainability-driven highlight of the Civil Engineering Tech Fest. This event challenged students to look at discarded materials not as waste, but as opportunities for innovation. Participants collected recyclable items and transformed them into functional models, decorative pieces, or engineering prototypes that reflected both imagination and practicality. The challenge emphasized **eco-conscious thinking, design innovation, and resource management**. Students had to carefully plan how to repurpose materials, ensuring that their creations were not only visually appealing but also demonstrated utility and relevance to engineering concepts.



Judging criteria focused on originality, effective use of waste, craftsmanship, and presentation quality. Beyond the competition, the event carried a strong message: **civil engineers play a vital role in promoting sustainable practices and reducing environmental impact**. By encouraging students to “**turn waste into wonder**,” the Tech Fest reinforced its commitment to academic excellence, innovation, and environmental responsibility, inspiring participants to adopt greener approaches in their future projects.



The winners of the Recycle Waste to Wonder competition were announced, with Team U. Venkata Chandralekha, V. Anusha, and A. Harivardhini (Sri Vishnu Engineering College for Women) securing the first prize and A. Vidatha (GVPCE(A)) taking the second prize. The winning participants were recognized with prizes and certificates for their creativity, innovation, and eco-conscious approach in transforming discarded materials into useful and meaningful products.

FAMOUS STRUCTURE RAPID FIRE

The **Famous Structures Rapid Fire** was a thrilling quiz segment designed to test participants' quick thinking and knowledge of iconic landmarks across the world. In this round, students were challenged with fast-paced questions about globally recognized structures such as the Eiffel Tower, Taj Mahal, Great Wall of China, Colosseum, and Gateway Arch.

The format emphasized **speed, accuracy, and presence of mind**. Each participant had only a few seconds to respond, making the competition both exciting and intellectually stimulating. The questions covered the location, history, purpose, and cultural significance of these structures, encouraging students to connect engineering knowledge with world heritage.



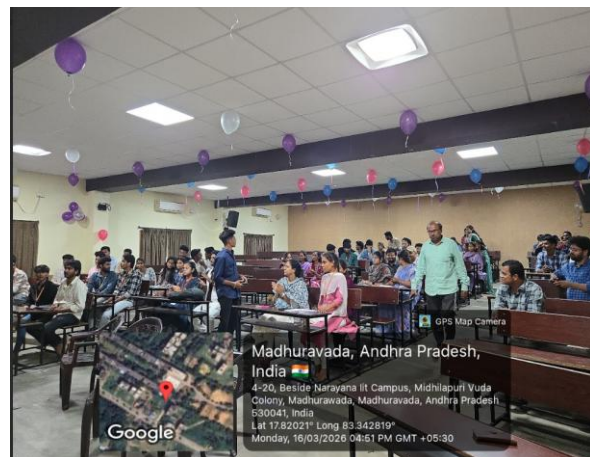
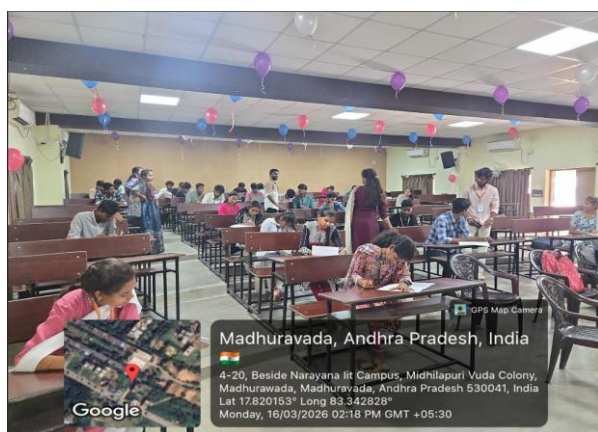
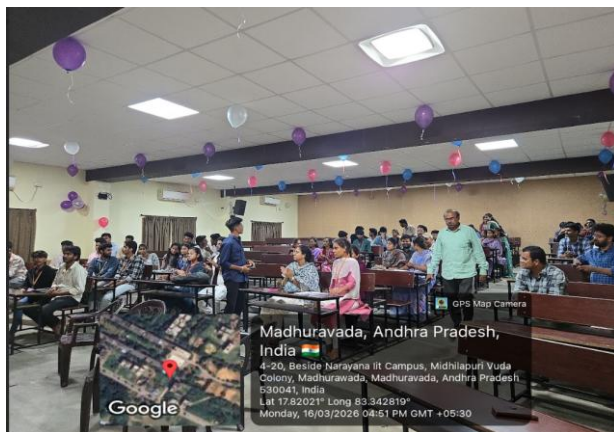
This event was not just about memory—it highlighted how civil engineers must connect their technical knowledge with the heritage and symbolism of world-famous structures. The rapid pace kept the audience on edge, creating an atmosphere of excitement and intellectual challenge. By blending fun with learning, the Famous Structures Rapid Fire encouraged students to appreciate the engineering brilliance and cultural importance of landmarks that continue to inspire generations. It stood out as a lively, knowledge-packed segment that celebrated both academic excellence and global awareness.



The **Famous Structures Rapid Fire** quiz added excitement to the Tech Fest by testing participants' quick recall of world-renowned landmarks. **Team B. Sai Ganesh and P. Murthy from GVPCE(A) along with A. Navadeep from GMRIT secured the first prize, while Team K. John David and P. Y. S. Varshini from GVPCE(A) won the second prize.** Their sharp responses and strong awareness of architectural marvels made the event lively and competitive, highlighting the importance of connecting civil engineering knowledge with global heritage.

CONCLUSION:

The **Civil Engineering Tech Fest** was a huge success, providing a platform for students to showcase their creativity, technical knowledge, and practical skills. The event featured various competitions, including **CBCT** , **Core quiz** , **Autocad** , **Survey treasure hunt** , **Trusses challenge**, **Case study presentation** , **Recycle waste to wonder** , **Famous structure rapid fire**. With its blend of fun, learning, and hands-on experience, the fest reflected the chapter's commitment to promoting **academic excellence, teamwork, and industry interaction, making it an unforgettable experience** for all participants. In conclusion, the event was a testament to the chapter's dedication to fostering talent and innovation in civil engineering. All participants received participation certificates, acknowledging their involvement and enthusiasm in the event.



The **Civil Engineering Tech Fest** was nothing short of a **spectacular triumph**, igniting the campus with energy, innovation, and competitive spirit. From start to finish, the atmosphere was charged with enthusiasm as students showcased their creativity, technical brilliance, and practical skills in front of peers and faculty. The fest became a true **celebration of civil engineering talent**, blending fun with learning and leaving every participant inspired.

With overwhelming participation, vibrant performances, and unforgettable moments, the event stood as a **milestone achievement**, proving the chapter's unwavering commitment to excellence, teamwork, and industry interaction. The grand success of the fest not only elevated the pride of the department but also set a new benchmark for student-driven initiatives, making it a **memorable extravaganza** that will be cherished for years to come.