



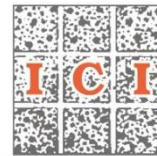
GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING

(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 2K25

13th February 2025

Organized by

Department of Civil Engineering

Gayatri Vidya Parishad College of Engineering

(Autonomous)

Under the aegis of Indian Concrete Institute (ICI)

Student chapter

Date: 13th February 2025

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)
- **J. Sumasree**
Assistant 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, which was conducted under the guidance of Prof. Manchikanti Srinivas (Dean of Alumni and Professional Body Student Chapter). 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 Mouldability, AutoCAD Design Battle, Rapid Fire Quiz, Popsicle Truss Deflection Test, Meme War, Concrete Presentation, STAAD Analysis Challenge, Picture Analysis, and Pervious Concrete Testing. 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, G. Papa Rao sir, N. Ramakrishna sir, V.M Naidu sir, and J. Sumasree madam, 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.

MOULDABILITY

The Mouldability competition was one of the most exciting events at the Civil Engineering Tech Fest. In this competition, students were tasked with showcasing their skills in mouldability by creating aesthetic designs, such as pots, birds, and other artistic forms. The participants were given a set amount of time to design and build their creations, using a variety of materials and techniques. The goal was to create something that was not only aesthetically pleasing but also showcased their creativity and skills.



The Mouldability competition was a great way for students to showcase their creativity and problem-solving skills. The participants had to think outside the box and come up with unique and innovative designs. They had to consider factors such as the materials, techniques, and overall aesthetic appeal of their creations. The competition was judged on the basis of creativity, presentation, and skill.

The event provided a platform for students to learn from each other, share their ideas, and showcase their talents. The participants were able to demonstrate their skills and creativity, and the judges were impressed by the quality of the designs. The competition was a huge success, with participants showcasing their innovative designs and skills.

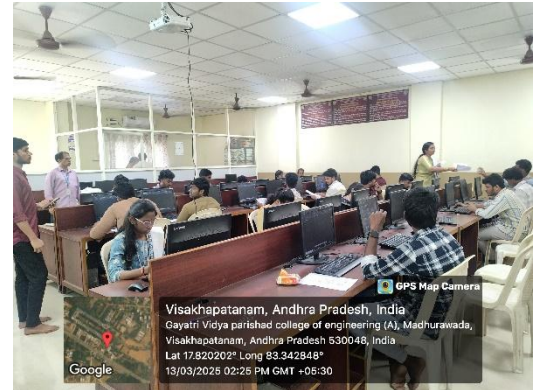


The winners of the competition were announced, with **Gayatri Vidya Parishad College of Engineering (Autonomous)** taking the **first prize** and **ANITS COLLEGE** securing the **second prize**. The winners were awarded prizes and certificates, recognizing their outstanding skills and creativity in mouldability. The event was a testament to the chapter's commitment to promoting academic excellence, creativity, and innovation in civil engineering.

The Mouldability competition was a great experience for the participants, and it provided them with an opportunity to showcase their skills and creativity. The event was well-organized, and the participants were given the freedom to express themselves through their designs. The competition was a success, and it will likely be continued in future events, providing students with a platform to showcase their talents and creativity.

AUTOCAD DESIGN BATTLE

The AutoCAD competition, "CAD Masters: Design the Future," was a challenge that tested participants' proficiency in using AutoCAD software to solve a real-world design problem. The competition required participants to create detailed 2D and 3D models that met a specific set of client requirements within a limited time. This event emphasized precision, creativity, and practical application of AutoCAD tools in architecture, engineering, and design.



The competition was designed to enhance participants' technical skills in AutoCAD and provide a platform for students to showcase their design and drafting abilities. The event encouraged creativity, accuracy, and precision in technical drawing and modeling, while also fostering a competitive spirit and innovation in solving real-world design challenges. Participants were given a client brief detailing a specific design problem, and they had to interpret the requirements and design a functional and creative solution using AutoCAD.

The competition format consisted of a single round, where participants had 3 hours to complete the design challenge. The evaluation criteria included accuracy, precision, creativity, adherence to design standards, and practicality. The judges assessed the participants' work based on how closely it aligned with the client's specifications, the level of detail and accuracy in the drawings and models, and the originality and innovation in solving the design problem.



The winners of the competition were announced, with prizes and awards given to the top performers. The first place winner received a certificate, and cash prize, while the second place winner received a certificate, and cash prize. The competition was a great opportunity for students to showcase their technical skills and creativity, and it provided valuable experience that will benefit them in their future careers. who looked forward to future opportunities to showcase their skills. The winners of the event were **AITAM COLLEGE (TEKKALI)** and **GVPCE**, runners of the event were **Government Polytechnic For Womens, GVPCE** and **AITAM(TEKKALI)**.

POROUSPAVE

The Pervious Concrete Testing event was a highly engaging and informative competition that allowed students to showcase their knowledge of sustainable materials. In this event, students tested self-made blocks for water permeability and strength, demonstrating their understanding of pervious concrete and its applications in modern construction. The event provided students with hands-on experience in testing and evaluating the properties of pervious concrete, and it encouraged them to think creatively about reducing environmental impact.



The Pervious Concrete Testing event was designed to promote sustainable practices in civil engineering, and it provided students with a platform to learn from each other and share their ideas. The participants were tasked with creating their own pervious concrete blocks, which were then tested for water permeability and strength. This event encouraged students to explore innovative solutions for sustainable construction and to think about the potential applications of pervious concrete in real-world projects.

The event was a huge success, with participants showcasing their knowledge and skills in sustainable materials. The participants demonstrated a deep understanding of pervious concrete and its properties, and they were able to design and test blocks that met the requirements of the competition. The event highlighted the importance of sustainable materials in reducing environmental impact and promoting eco-friendly practices in civil engineering.



The winners of the competition were announced, with **ANITS COLLEGE** taking the **first prize** and **G Gayatri Vidya Parishad College of Engineering (Autonomous)** securing the **second prize**. The winners were awarded prizes and certificates, recognizing their outstanding skills and knowledge in pervious concrete testing and sustainable materials. The event provided a valuable learning experience for all participants, and it showcased the importance of sustainable materials in modern construction.

PRESENTATION ON BLENDED CEMENT

The Blended Concrete Presentation event was a platform for students to showcase their knowledge and understanding of recent trends, innovations, and ideas in blended cement technology. Participants were required to present a structured PowerPoint presentation, highlighting the advantages, disadvantages, and limitations of blended cement, with an emphasis on clear communication and technical understanding. The event provided students with an opportunity to demonstrate their knowledge and skills in a specific area of civil engineering.



The event guidelines specified that each team would consist of 2 participants, and collaboration between team members was essential for brainstorming and presenting. The presentation duration was set at 5 minutes, and the PowerPoint format was limited to 4-5 slides. The content was expected to be concise, using keywords, visuals, and graphs rather than lengthy paragraphs. This format allowed participants to focus on the key aspects of blended cement technology and present their findings in a clear and concise manner.



The presentation was expected to focus on blended cement and its recent innovations, trends, and practical applications, analyzing advancements and their impact on the construction industry. Participants were expected to demonstrate a deep understanding of the subject matter and provide insights into the benefits and challenges of using blended cement. The event provided students with an opportunity to explore the latest developments in blended cement technology and present their findings in a professional and engaging manner. The judging process included a Q&A session, where judges would ask questions related to the content of the PPT, and participants were expected to provide clear and confident answers to demonstrate their understanding and depth of knowledge.



The teams were awarded prizes, with the first place receiving prize money and a certificate, and the second place receiving prize money and a certificate. All participants were awarded a participation certificate to recognize their efforts and contribution. The event was a huge success, with participants showcasing their knowledge and skills in blended cement technology and demonstrating their ability to work collaboratively and present their findings in a clear and concise manner. The winners of the event were **ANDHRA UNIVERSITY (Winner)** and **ANDHRA UNIVERSITY (Runner)**.

POPSICLE TRUSS

The Popsicle Truss event was a highly engaging and challenging competition that allowed students to showcase their knowledge and skills in structural engineering. In this event, participants crafted pre-built truss models using popsicle sticks and glue, which were then tested for strength, stability, and deflection. The trusses were subjected to a progressive loading test, and the one that held its ground with the least deflection emerged as the ultimate champion.



The Popsicle Truss event was designed to promote problem-solving skills, creativity, and knowledge of structural engineering principles. The participants were tasked with designing and constructing their own trusses, adhering to specific material and construction rules. The event provided students with hands-on experience in testing and evaluating the properties of trusses, and it encouraged them to think creatively about designing and building structures that can withstand various loads.

By participating in this event, students gained valuable insights into the importance of structural integrity, stability, and strength in construction. The competition tested the participants' understanding of structural principles and their ability to apply theoretical knowledge in a practical setting. The event was a great way to showcase the students' knowledge and skills in truss design and construction.



The Popsicle Truss event was a huge success, with participants showcasing their knowledge and skills in structural engineering. The winners of the competition were announced, with **Gayatri Vidya Parishad College of Engineering (Autonomous)** taking the top spot as the **winners** and another team from **Gayatri Vidya Parishad College of Engineering (Autonomous)** securing the **runner-up** position. The winners were awarded prizes and certificates, recognizing their outstanding skills and knowledge in structural engineering.

STAADATHON

The STAAD Analysis Challenge was a competition that tested participants' understanding of structural behavior, accuracy, and correct application of loads using STAAD Pro software. In this event, participants were provided with a pre-defined multi-story building model and were required to analyze it by applying various load cases, including dead loads, live loads, wind loads, and earthquake forces. The participants' task was to accurately apply these loads and match their results with the reference solution, demonstrating their understanding of structural analysis and load application.



The STAAD Analysis Challenge was designed to assess the participants' ability to accurately apply loads and analyze structural behavior using STAAD Pro software. The participants were expected to demonstrate their knowledge of structural analysis principles and their ability to use the software to analyze complex structures. This event provided students with hands-on experience in using STAAD Pro software and applying theoretical knowledge to real-world structural analysis problems. By participating in this event, students gained valuable insights into the importance of accurate load application and structural analysis in construction.

The participants were given a specific building model to analyze, and they were required to apply the load cases accurately and efficiently. The event tested the participants' ability to work with complex structural analysis software and apply theoretical knowledge to practical problems. The STAAD Pro software is a powerful tool used in the construction industry for structural analysis and design. The participants' ability to use this software effectively was a key aspect of the competition.



The winners of the competition were announced, with prizes and awards given to the top performers. The first place winner received a certificate, and cash prize, while the second place winner received a certificate, and cash prize. The competition was a great opportunity for students to showcase their technical skills and creativity, and it provided valuable experience that will benefit them in their future careers. who looked forward to future opportunities to showcase their skills. The **Winners** of the event were **AITAM COLLEGE (TEKKALI)** and The **Runners** of the event were **GVPCE**.

MEME WAR

The Meme War was a lighthearted event that allowed teams to express their experiences and challenges in the field through humorous memes. This event showcased the creativity and humor of the participants, providing a much-needed break from the technical aspects of the fest. The participants used memes to poke fun at the challenges they faced in their projects, and their ability to find humor in difficult situations was impressive. The event was a great way to showcase the lighter side of engineering and provided a unique opportunity for participants to express themselves in a creative and humorous way.



The Meme War event was designed to bring out the creative side of the participants and provide a platform for them to showcase their humor and wit. The event was a huge success, with participants creating hilarious memes that captured the essence of their experiences in the field. The memes were a great way to highlight the challenges and triumphs of working on complex projects, and the participants' ability to find humor in these situations was impressive.

The event was a huge success, and it provided a unique opportunity for participants to showcase their creativity and humor. The winners of the Meme War event were announced, with **Gayatri Vidya Parishad College of Engineering (Autonomous)** taking the top spot and emerging as the winners. Another team from **Gayatri Vidya Parishad College of Engineering (Autonomous)** secured the runner-up position, showcasing the college's dominance in the event.



The Meme War event was a great way to highlight the importance of creativity and humor in the field of engineering. The event was well-received by the participants and the audience, and it provided a much-needed break from the technical aspects of the fest. The success of the event was a testament to the participants' dedication to learning and applying engineering principles in real-world scenarios, while also showcasing their creative side.

PICTURE ANALYSIS

The Pervious Concrete Testing event was a highly engaging and informative competition that allowed students to showcase their knowledge of sustainable materials. In this event, students tested self-made blocks for water permeability and strength, demonstrating their understanding of pervious concrete and its applications in modern construction. The event provided students with hands-on experience in testing and evaluating the properties of pervious concrete.



The Pervious Concrete Testing event was designed to promote sustainable practices in civil engineering, and it provided students with a platform to learn from each other and share their ideas. The participants were tasked with creating their own pervious concrete blocks, which were then tested for water permeability and strength. This event encouraged students to think creatively about reducing environmental impact and to explore innovative solutions for sustainable construction.

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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 Mouldability, AutoCAD Design Battle, and Pervious Concrete Testing, and was marked by meticulous planning and execution. 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.

