Title: Report on Technical Talk - Importance of Engineers in Modern Society

Date: 19th October 2023

Time: 10:30 AM - 12:00 PM

Speaker: Er. Animon Mathew

Event: Civil Day in association with Srishti

Summary:

Er. Animon Mathew delivered a comprehensive technical talk on the "Importance of Engineers in Modern Society" during the Civil Day event in association with Srishti. The talk covered various topics, including the scope of civil engineering, modern methods of construction, and a showcase of his different projects.

Key Points:

Scope of Civil Engineering: Er. Mathew began by discussing the vast scope of civil engineering in today's world. He highlighted that civil engineering encompasses a wide range of fields, from infrastructure development to environmental conservation.

Modern Methods of Construction: The speaker delved into modern construction techniques and technologies. He explained how innovation in construction methods has made projects more efficient, cost-effective, and sustainable. Examples included the use of 3D printing, modular construction, and advanced materials.

Showcase of Projects: Er. Mathew presented a detailed showcase of his various projects. He provided insights into the challenges faced and the innovative solutions implemented in each project. This segment of the talk allowed the audience to see real-world applications of modern engineering concepts.

Sustainability and Environmental Concerns: Throughout the discussion, Er. Mathew emphasized the importance of sustainability in civil engineering. He highlighted the need for engineers to consider the environmental impact of their projects and adopt eco-friendly practices.

Audience Engagement: The talk was interactive, with the audience engaging in discussions about specific projects and modern construction techniques. Attendees had the opportunity to ask questions and seek advice on engineering-related topics.

Conclusion:

Er. Animon Mathew's technical talk covered a wide array of essential topics, including the scope of civil engineering, modern construction methods, and the presentation of his diverse projects. His insights into modern construction techniques and the emphasis on sustainability left the

audience with a clear understanding of the evolving role of civil engineers in modern society. The presentation of his projects provided concrete examples of how engineering can bring positive change to society. Attendees left the event with a renewed appreciation for the contributions of engineers and a deeper understanding of the possibilities within the field of civil engineering.

The event was a significant success, offering valuable knowledge and inspiration to all who attended.

Technical Treasure Hunt

The Civil Association "Srishti" of Civil engineering Department at Mar Baselios Christian College of Engineering and Technology, located in Kuttikanam, Peermade, Idukki, Kerala, organized a thrilling event called the "Technical Treasure Hunt" on October 19, 2023. The event took place from 11:00 am to 12:30 pm. A total of 29 teams participated in the treasure hunt, with each team consisting of four members. The event comprised two elimination rounds, where teams competed to solve a series of clues. After the elimination rounds, seven teams qualified for the next round.

Each team was provided with six different clues, leading them to various locations within the college premises. The final clue, however, remained the same for all teams. The ultimate goal was to find the key that would unlock the treasure. Surprisingly, the key was hidden with Mintu Sara George, the Head of the Civil Engineering Department. The event followed the motto: "Adventure awaits those with the courage to seek it," embracing the spirit of exploration and teamwork. Participants were encouraged to work collaboratively, remaining together throughout the treasure hunt. The use of internet-accessible devices was strictly prohibited during the event.

The treasure hunt involved intricate problem-solving, as each correctly solved clue earned the team 10 points. The final treasure, worth 50 points, awaited the team who successfully deciphered all the clues. In the end, the team consisting of Libin M Varkey, Nikhil Manoj, Alwin Thomas Siby, and Sam P George, all second-year students from the Electronics and Communication Engineering department, emerged as the winners of the event.

The event organizers awarded certificates to all participants, and the winning team received a prize worth ₹1000. The Technical Treasure Hunt proved to be an exhilarating and engaging experience, fostering teamwork, problem-solving skills, and the spirit of adventure among the participants.

Civil Expo

A significant highlight of this day was the Civil Expo organized by the civil department. This expo featured an extensive display of construction models, including futuristic designs, dams, bridges, pyramids, tall buildings, roads, and more. The event was marked by active participation from enthusiastic students, showcasing their talents and passion for civil engineering.

Key Highlights:
1. Diverse Construction Models:
The Civil Expo at "Srishti" showcased a wide variety of construction models, ranging from innovative and futuristic designs to classic engineering marvels. These models provided a comprehensive overview of the diverse aspects of civil engineering.
2. Student Participation:
Students from various academic levels actively participated in the expo, displaying their creativity and technical skills. Their dedication and enthusiasm were evident in the quality and diversity of the exhibits.
3. Emphasis on Collaboration:
The event encouraged collaboration and knowledge sharing among students, fostering an environment where they could learn from each other's projects and experiences.
4. Educational Value:
The Civil Expo was not only a platform for displaying models but also an opportunity for educational enrichment. It allowed students to apply theoretical knowledge to practical, real-world scenarios.
5. Community Engagement:
The inclusion of construction models like dams, bridges, and roads demonstrated the vital role of civil engineering in improving and enhancing communities. This aspect resonated with the community's needs and the importance of sustainable infrastructure.
6. Encouraging Future Engineers:
"Srishti" motivated and inspired students to pursue careers in civil engineering by providing them with a glimpse of the exciting and impactful work they could undertake in the field.

List of Notable Models:

1. **Idukki Dam:** A representation of the renowned Idukki Dam showcased the importance of hydroelectric power generation and water resource management.
2. **Future Mundakayam Bus Stand:** A forward-looking model that demonstrated modern infrastructure planning and design for public transportation hubs.
3. **The Great Pyramid of Giza:** An iconic architectural wonder, the pyramid model highlighted the historical significance and engineering marvel behind this ancient structure.
4. **Eiffel Tower:** A miniature replica of the Eiffel Tower showcased the elegance and structural engineering brilliance of this famous landmark.
5. **Kochi International Airport:** Demonstrated the sophisticated infrastructure of an international airport, emphasizing the importance of civil engineering in modern transportation.
6. **Light House:** Showcased the design and functionality of lighthouses, which are essential for maritime safety.
7. **Lotus Temple:** The model of the Lotus Temple emphasized innovative and aesthetically pleasing architectural designs.
8. **Seismic Zones of India:** An educational exhibit that highlighted India's seismic zones and the importance of earthquake-resistant construction.
9. **London Tower Bridge:** A model of this iconic bridge illustrated the complexity of movable bridges in urban infrastructure.
10. **Rainwater Harvesting:** This model showcased the sustainable practice of collecting rainwater for various purposes, promoting eco-friendly construction.

11. **Automatic Street Light Circuit:** A demonstration of efficient energy usage through automatic street lighting systems.
12. **Hydroelectricity:** Emphasized the potential of harnessing hydroelectric power for sustainable energy generation.
13. **Wind Mills:** Showcased the utilization of wind energy through windmill technology.
14. **Road Pavement Subgrade:** Highlighted the significance of subgrade preparation in road construction.
15. **Suspension Bridge:** An exhibit that illustrated the engineering behind suspension bridges, emphasizing strength and aesthetics.

The Civil Expo received enthusiastic participation from all students, reflecting their commitment to the field of civil engineering. The event not only celebrated the rich history of civil engineering but also inspired innovation and forward-thinking in the industry. The "Srishti Civil Day" and the Civil Expo served as a valuable platform for students to gain practical insights into the diverse aspects of civil engineering, promoting a deeper understanding of the field and fostering enthusiasm for future contributions to this vital sector.

Conclusion:
The "Srishti" Civil Expo at Mar Baselios Christian College of Engineering and Technology was a remarkable success, celebrating the creativity and dedication of students in the Civil Engineering Department. The event highlighted the diverse and vital role of civil engineering in shaping our world, from iconic structures to future innovations. "Srishti" not only celebrated the achievements of students but also encouraged them to continue their pursuit of excellence, emphasizing the importance of civil engineering in building a better future for society

ARTESANIA- Building Construction with Craft Items

On October 19, 2023, Srishti, the Civil Association, organized a unique event called Artesania, where students showcased their creativity and engineering skills by constructing buildings using craft items. The event aimed to foster innovation and teamwork among the participants while promoting the use of sustainable materials in construction.

Event Highlights:

The event witnessed enthusiastic participation from 8 teams, each displaying their talent and ingenuity in crafting buildings from unconventional materials. The participants demonstrated their ability to combine creativity and engineering principles, constructing miniature buildings within the stipulated time frame.

Winning Team:

The first prize was awarded to Albin Mathew, Joseph John, and Vishnu Saji from S1 ECE department for their outstanding creation of a dam inspired by the iconic Idukki Dam. Their project not only showcased their technical prowess but also reflected their deep understanding of architectural principles.

Evaluation Criteria:

Participants were judged based on several criteria, including creativity, craftsmanship, structural stability, and adherence to the theme. The esteemed panel of judges assessed each team's project meticulously, considering the innovative use of craft items and the overall aesthetic appeal of the constructions

Conclusion:

Artesania proved to be a resounding success, emphasizing the importance of combining traditional craftsmanship with modern engineering techniques. The event not only provided a platform for students to exhibit their skills but also encouraged sustainable practices in construction. The innovative projects displayed by the participating teams demonstrated the potential of using craft items in the field of civil engineering. Srishti, the Civil Association, is committed to organizing more such events to inspire young minds, foster creativity, and promote sustainable practices in the field of civil engineering. Artesania stands as a testament to the association’s dedication to nurturing talent and encouraging innovative thinking among the future leaders of the construction industry.

Augmenta- Gaming room

The Gaming Room Event, held from 11:30 AM to 3:45 PM, was an exciting and engaging experience for both students and gaming enthusiasts. This report provides an overview of the event, focusing on the equipment, game selection, gaming experience, student participation, and its social impact.

Design and Layout:

The gaming room featured an innovative design and layout, ensuring maximum comfort and

immersion. High-quality gaming chairs, advanced monitors, and a well-ventilated environment created the ideal setting for an exceptional gaming experience.

Gaming Experience:

Participants experienced gaming at its finest, with high-end equipment ensuring smooth gameplay. The impressive visuals and audio enhancements added to the immersion, making the event a memorable gaming journey.

Student Participation:

The event saw a significant turnout of students, adding to the vibrant gaming community. The opportunity for students to come together, share their love for gaming, and compete in a friendly environment was a notable aspect of the event.

Community and Social Aspect:

The gaming room event fostered a sense of community. Participants had the chance to engage in multiplayer matches, team up with friends, and build connections through shared gaming experiences. Special activities and competitions further promoted interaction and teamwork.

Duration of Gaming Sessions:

The gaming room event spanned from 11:30 AM to 3:45 PM, accommodating participants' schedules and allowing them to enjoy gaming throughout the afternoon.

Conclusion:

In conclusion, the Gaming Room Event was a resounding success, offering an exceptional gaming experience, fostering a sense of community, and providing students with the opportunity to unwind and connect over their shared passion for gaming. The combination of high-quality equipment and a diverse game selection made it a must-attend event for all gaming enthusiasts.This report highlights the key aspects of the gaming room event, and you can expand on any section or make further modifications as needed.

Legacy

Winner: Alwin Kurian (S5 ECE)

Participants: Approximately 10 students

Introduction:

The competition brought together the strength and determination of the students in a test of their power and physical prowess.

Competition Highlights:

The competition took place on 19/10/2023, and it witnessed the participation of about 10 students from various disciplines and semesters. These participants exhibited their commitment and passion for fitness and strength training.

The winner of the competition, Alwin Kurian, who hails from the S5 batch of Electronics and Communication Engineering (ECE), emerged as the strongest among the contenders. His impressive performance in the deadlift event showcased not only his physical strength but also his dedication to fitness.

Conclusion:

It not only provided a platform for students to showcase their physical strength but also promoted the importance of fitness and a healthy lifestyle.

Congratulations to Alwin Kurian for his outstanding performance and victory in the competition. Kudos to all the participants for their dedication and sportsmanship. We look forward to more such events that celebrate the spirit of fitness and unity at MBCCET.