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SATTVA CIVIL DEPARTMENT SHINES BRIGHT WITH AAKRITI 2K23

Inaugural ceremony of AAKRITI 2k23

The Department of Civil Engineering, in association with "SATTVA", successfully organized the inter-college tech fest "AAKRITI 2K23", a two-day event showcasing the innovative ideas and projects of aspiring civil engineers. The event, held on April 27th and 28th, 2023, attracted a large number of students.

The fest kicked off with an inaugural ceremony that set the tone for the days ahead. The event was inaugurated by chief guest Sindhu T. V., Asst. Executive Engineer, Inland Navigation Sub Division Office, Kannur. The event commenced with a thought-provoking presidential address by Dr. Shinu Mathew John, Principal, STM. He highlighted the significance of technological innovation in the field of civil engineering and the role of such events in fostering creativity. Er. Rijo Thomas Jose, CEO, Asst. Prof. Vijila Balakrishnan, HOD, CE, and Asst. Prof. Roopa Balakrishnan, CE, also spoke during the inaugural ceremony.

"AAKRITI 2k23" is a technical fest featuring a variety of technical contests designed to test technical knowledge and aptitude to the hilt, presented by "SATTVA", the Civil Engineering Association of St. Thomas College of Engineering and Technology. It provided unique opportunities for the students, where budding engineers could come across many innovative ideas that helped them bring out the best in them as perfect engineers. There were many amazing competitions like heritage building construction, technical quiz, technical debate, treasure hunt, bridge making using ice cream sticks, and arch making using bricks. We have raised the bar by holding extra interesting competitions like paper presentations, an AutoCAD competition, a workshop, and an adventure meet. Students across the state participated and gained up to 86 KTU activity points. It has encouraged students to share their expertise as well as to think critically and evolve in order to become leaders with overall development.

As the curtains closed on Aakriti 2k23, the organizing committee expressed their satisfaction with the event's success. The tech fest not only provided a platform for students to showcase their talents but also fostered a collaborative spirit among participants, encouraging the exchange of ideas and the forging of new connections within the civil engineering community.

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Technical Session 2 handled by V S Sanjay Kumar, Principal Scientist, NATPAC on first day

Technical Session 3 handled by Shyjan P, AMVI, RTO Enforcement, Kannur on first day

Technical Session 4 handled by Dr. Jinesh, HOD, Dept of Emergency Medicine, Aster Mims hospital, Kannur on first day

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St. Thomas College and NATPAC Collaborate for Road Safety: A Two-Day Training Program for Youth Leadership and Awareness

In association with Civil Department at St. Thomas College of Engineering & Technology, Kannur, the National Transportation Planning and Research Centre (NATPAC) orchestrated a comprehensive two-day training program aimed at enhancing road safety awareness and fostering youth leadership in advocating safe road behaviors. The event, held on February 2nd & 3rd, 2024, aligned with the National Road Safety Month 2024 campaign, seeking to engage the younger generation and educational bus drivers in initiatives towards creating safer road environments.

On first day, February 2nd, program kicked off with an inaugural ceremony that set the tone for the days ahead. The event was inaugurated by chief guest Mujib C U, Regional Transport Officer, RTO Enforcement, Kannur. The event commenced with a welcome address by Nigil M, HOD-Administration, Civil Department, STM. The overview of the program was given by V S Sanjay Kumar, Principal Scientist, NATPAC. Felicitation was done by Dr. Shinu Mathew John, Principal, STM and Er. Rijo Thomas Jose, CEO, STM and the inaugural ceremony was concluded by Shijith P P, Junior Scientist, NATPAC. Felicitation was done by Dr. Shinu Mathew John, Principal, STM and Er. Rijo Thomas Jose, CEO, STM and the inaugural ceremony was concluded by Shijith P P, Junior Scientist, NATPAC by expressing vote of thanks.

The training program comprised four technical sessions, each focusing on different aspects of road safety and leadership. Participants gained insights into road crash statistics, accident prevention strategies, understanding of road regulations, and basic first aid for accident injuries.

The first session was handled by Shijith PP, Junior Scientist, NATPAC. He initiated the program by providing an overview of the day's agenda and outlining the key contents. He dove into the grim realities of road crashes, emphasizing the alarming death rates associated with them. He also showed different graphs and figures depicting these death rates. This session set the tone for the importance of the subsequent discussions on road safety.

Inaugration of training program on "Road safety and youth leadership" conducted by NATPAC in association with civil department, STM

The second session was handled by V S Sanjay Kumar, Principal Scientist, NATPAC. He conducted an engaging session where he extensively discussed various aspects of accidents, including types, causes, and prevention strategies. He explained the role of engineers in ensuring safe road systems. He also actively involved participants through interactive questioning, making the session both informative and stimulating. Participants were encouraged to share their personal experiences with road accidents, fostering an open dialogue. Highlighting the global plan target to reduce road traffic deaths by at least 50% underscored the urgency of collective efforts in ensuring road safety.

The third session was by Shyjan P, AMVI, RTO Enforcement, Kannur. This session centered on familiarizing participants with road rules and regulations. Shyjan P encouraged active participation by eliciting students' knowledge of existing rules before expanding on crucial regulations. He made students understand the importance of following the rules and regulations regarding road safety. Additionally, he fostered a light-hearted atmosphere by injecting humor while addressing serious road safety concerns. The session was both fun and enlightening at the same time.

At last Dr. Jinesh concluded the program by shedding light on different accident injuries and imparting knowledge on how to effectively respond to them. He dispelled common superstitions surrounding first aid practices, providing participants with practical skills to administer aid in emergency situations. He reminded that our safety comes first before anything. The session was characterized by its blend of fun and educational content, leaving participants equipped with valuable first aid knowledge. Finally, the day ended with certificate being provided to students.

Technical Session 1 handled by Shijith P P, Junior Scientist, NATPAC on second day

Technical Session 2 handled by Nithin V R, Asst. Motor Vehicle Inspector (AMVI), RTO Enforcement, Kannur on second day

Technical Session 3 handled by Dr. Akhil, HOD of Emergency Medicine at Aster Mims Hospital, Kannur on second day

On second day, three sessions were conducted for bus drivers to enhance their awareness and understanding of pertinent rules, regulations and best practices in road safety. Shijith P P, Junior Scientist, NATPAC, initiated the program by providing an overview of the day's agenda and outlining the key contents. He dove into the grim realities of road crashes, emphasizing the alarming death rates associated with them. He also showed different graphs and figures depicting these death rates. This session set the tone for the importance of the subsequent discussions on road safety. Additionally, a quiz was conducted to assess the drivers' understanding of basic road rules and regulations. This interactive section set the tone for the subsequent session and ensured active participations from the drivers.

Session 2 was handled by Nithin V R, Asst. Motor Vehicle Inspector (AMVI) from RTO Enforcement, Kannur. This session focused on imparting knowledge about road safety rules and guidelines. Through the use of slides depicting various real-life scenarios, drivers were educated on how to navigate different situations one the road. The session was highly interactive, allowing drivers to engage with the content and understanding the practical application of road safety principles.

Finally, the program ended with the session facilitated by Dr. Akhil, HOD of Emergency Medicine at Aster Mims Hospital, Kannur, provided vital information on emergency medical procedures. Drivers were educated on the precautions and first aid measures to be taken in the event of a medical emergency, particularly in crash-related incidents. Practical demonstrations using dummies were conducted to enhance understanding and provisions in performing CPR and other life-saving techniques.

The collaboration between NATPAC and St. Thomas College exemplifies a proactive approach towards addressing road safety challenges through education, awareness, and community engagement. By harnessing the collective efforts of stakeholders and nurturing the leadership potential of youth, initiatives like these are instrumental in creating safer road environments and reducing road-related accidents and fatalities.

As the National Road Safety Month 2024 campaign continues to gain momentum, such collaborative endeavors serve as a beacon of hope, inspiring individuals and communities to take proactive steps towards building a safer and more sustainable future on our roads.

Road Safety Awareness Workshop, Day 2; Group pic of participants, volunteers and staff

St. Thomas College of Engineering & Technology Partners with KSCSTE – NATPAC to Foster Research and Development in Transportation Engineering

In a significant stride towards advancing research and development in transportation engineering, St. Thomas College of Engineering & Technology has officially entered into a MoU with the Kerala State Council for Science, Technology, and Environment's National Transportation Planning and Research Centre (KSCSTE-NATPAC).

The MoU, signed on June 5, 2023, marks a collaborative effort between Dr. Shinu Mathew John, Principal of St. Thomas College of Engineering & Technology, and Dr. Samson Mathew, Director of KSCSTE-NATPAC. The ceremony, held at the college premises, brought together key representatives from both institutions, emphasizing their commitment to fostering innovation and excellence in the field of transportation engineering.

KSCSTE—National Transportation Planning and Research Centre (NATPAC), operating under the umbrella of the Kerala State Council for Science, Technology, and Environment, stands as a premier research and development institution in the country. Renowned for its expertise in multi-modal transportation systems, NATPAC encompasses road, rail, water, air, and more.

Under the terms of the MoU, KSCSTE-NATPAC has pledged to provide students and faculty members of St. Thomas College of Engineering & Technology with access to cutting-edge laboratory facilities. This move is set to enrich the academic experience by allowing hands-on exploration and experimentation in the field of transportation engineering.

Additionally, KSCSTE-NATPAC has committed to actively supporting research and development initiatives undertaken by the college. By leveraging their extensive knowledge and resources, the collaboration aims to propel advancements in transportation engineering that align with the evolving needs of the industry.

As the collaboration takes shape, both institutions are optimistic about the potential impact on the education landscape and the transportation industry. The synergy between academic expertise and research capabilities is expected to yield innovative solutions, addressing contemporary challenges in transportation engineering.

This collaboration serves as a testament to the commitment of St. Thomas College of Engineering & Technology and KSCSTE-NATPAC to push the boundaries of knowledge and contribute to the development of a sustainable and efficient transportation ecosystem.

St. Thomas College Strengthens Industry Ties with Specula Consultancy and Developers Private Limited

St. Thomas College of Engineering & Technology has signed an MoU with Specula consultancy and developers private limited on 18-04-23

In a significant development aimed at enhancing the academic and professional prospects of its students, St. Thomas College has entered into a MoU with Specula Consultancy and Developers Private Limited. The MoU, signed on April 18, 2023, formalizes a collaborative partnership between the academic institution and the renowned consultancy firm.

The signing ceremony took place in the presence of Mrs. Vijila Balakrishnan, Head of the Department of Civil Engineering at St. Thomas College, and Mr. Jithin. M., Managing Director of Specula Consultancy and Developers Private Limited. The agreement marks a commitment to fostering a strong bridge between academia and industry.

Under the terms of the MoU, Specula Consultancy has pledged to support St. Thomas College by facilitating industrial training and industrial visits for the students. Additionally, the consultancy firm has undertaken to assist in securing placements for the college's students, aligning academic learning with practical industry experience.

The primary focus of the collaboration is to enhance the employability of students and bridge the gap between theoretical knowledge and real-world application. The first phase of the collaboration has already seen fruition, with Specula Consultancy providing internships for the 2020–2024 batch of civil engineering students. This practical exposure is a crucial step towards preparing students for the challenges of the professional world.

St. Thomas College looks forward to a fruitful partnership with Specula Consultancy and Developers Private Limited, aiming to further strengthen its ties with the industry and empower its students with the skills and knowledge necessary for a successful career in civil engineering.

Civil Department of St. Thomas College Collaborates with NATPAC to Conduct Parking Survey in Thalassery City

In a collaborative effort aimed at addressing parking challenges and improving urban mobility in Thalassery City, the Civil Department of St. Thomas College of Engineering & Technology, Kannur, in partnership with the National Transportation Planning and Research Centre (NATPAC), conducted a two-week comprehensive parking survey which was starting on February 12, 2024. Spearheaded by Shaheem S., Principal Scientist and Head of NATPAC, the survey involved 30 enthusiastic students from St. Thomas College.

The survey, conducted over a span of several days, focused on gathering crucial data regarding parking patterns, user opinions, and land use in various municipal wards of Thalassery City. The meticulous planning and execution of the survey underscored the commitment of both the Civil Department and NATPAC towards addressing pressing urban transportation issues.

Divided into three distinct types, namely the user opinion survey, the land use survey, and the in-out survey, the comprehensive approach aimed to provide a holistic understanding of the parking dynamics within the city. Students meticulously documented their findings, ensuring accuracy and reliability in the collected data.

The survey covered several key locations across Thalassery City, including prominent municipal wards such as Kuzhippangade, Kayyath, Mattambram, Maariyamma, and the Town Hall area. By encompassing diverse geographical areas, the survey aimed to capture the nuances of parking behaviour and preferences across different parts of the city.

The user opinion survey solicited feedback from residents and visitors regarding their parking experiences, preferences, and challenges faced while navigating parking facilities within the city. This valuable input served as a crucial indicator of public perception and satisfaction levels regarding existing parking infrastructure.

Simultaneously, the land use survey involved mapping out the various types of land usage in designated areas, shedding light on the availability of parking spaces vis-à-vis the demand generated by commercial, residential, and recreational activities.

Lastly, the in-out survey involved monitoring the flow of vehicles entering and exiting specific parking areas, providing insights into utilization patterns and peak traffic hours. This real-time data proved invaluable in identifying congestion hotspots and formulating targeted strategies for traffic management and parking optimization.

The collaboration between the Civil Department of St. Thomas College and NATPAC exemplifies a proactive approach towards addressing urban transportation challenges through data-driven analysis and community engagement. The successful completion of the parking survey in Thalassery City lays the foundation for evidence-based policymaking and infrastructure development initiatives aimed at enhancing mobility, reducing congestion, and fostering sustainable urban growth.

As the findings of the survey are analyzed and synthesized, stakeholders can look forward to actionable insights and recommendations that will pave the way for tangible improvements in the parking ecosystem of Thalassery City, ultimately enhancing the quality of life for its residents and visitors alike.

Students from St. Thomas College of Engineering and Technology conducting parking survey at thalassery city in collaboration with NATPAC

SATTVA and St. Thomas College Illuminate the Path to Mastery in Soil-Structure Interaction

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Expert talk conducted on topic soil structure interaction

In collaboration with Sattva, the Civil Engineering Department of St. Thomas College of Engineering & Technology hosted an insightful expert talk on Soil Structure Interaction (SSI) on Monday, September 4, 2023. The event provided a platform for students to gain valuable insights from Dr. Rameesha T. V., a distinguished Scientist B at KSCSTE-NATPAC (Kerala State Council for Science, Technology, and Environment—National Transportation Planning and Research Centre).

Dr. Rameesha T. V., an eminent figure in the field of geotechnical engineering, delivered a comprehensive and enlightening presentation to the eager audiences comprising students from the 7th and 5th semesters of the Civil Engineering department. The talk aimed to enhance the students' understanding of the critical aspects of soil-structure interaction, a pivotal element in civil engineering design and construction.

Soil-Structure Interaction (SSI) is the interaction between the soil and a structure founded on it. It is an important consideration in the design of structures, especially those located in seismic zones. SSI can have a significant impact on the structural response to dynamic loads, such as earthquakes and wind. This program is dedicated to exploring the intricate dynamics of soil-structure interaction in seismic engineering, with a special focus on its relevance and impact in Cochin Harbour. SSI is a critical factor in evaluating how seismic ground motion affects the stability and safety of structures. This program delves deep into SSI analysis, offering a comprehensive understanding and showcasing its real-world applications through a case study in the dynamic environment of Cochin Harbour.

The expert elucidated on various aspects of soil structure interaction, covering the fundamental principles of SSI, insightful analysis of the Cochin Harbour case study, highlighting SSI's significance in the maritime environment, application of innovative SSI analysis techniques to real-world challenges, practical takeaways and recommendations for engineers and designers involved in coastal infrastructure real-world applications, and the latest advancements in the field. With a focus on practical implications, Dr. Rameesha shared her extensive knowledge and experiences, providing attendees with a comprehensive understanding of how soil characteristics influence the behaviour of structures. The participants had the opportunity to delve into topics, and the interactive session fostered a stimulating environment, allowing for meaningful discussions and the exchange of ideas between the expert and the audience.

The event concluded with a vibrant Q&A session where students had the opportunity to seek clarifications and delve deeper into specific aspects of the topic. The collaborative effort between the college and Sattva in organizing this expert talk reflects the commitment of educational institutions to providing holistic learning experiences for their students. The expert talk on soil structure interaction not only broadened the horizons of knowledge for the attendees but also reinforced the college's dedication to offering enriching academic programs that align with industry trends and advancements. Such initiatives contribute to the overall development of students, preparing them for the challenges and opportunities in the ever-evolving field of civil engineering.

Advanced BIM Course Launched in Collaboration with KTU

In a groundbreaking collaboration between our civil department and the APJ Abdul Kalam Technological University (KTU), a specialized class on Building Information Modelling (BIM) has been launched. This 10-day intensive course started on 13th March 2024, which aims to equip students with advanced skills in BIM technology, a crucial component in modern architectural and engineering practices.

This program underscores a commitment to providing students with cutting-edge education in emerging technologies. By joining forces, the institutions leverage their respective expertise to offer a comprehensive curriculum tailored to industry demands.

Led by our esteemed professors S. Arun Kumar, Akshara K Anil and Manasa Mukundan, the class delves into the intricacies of BIM, covering topics ranging from 3D modelling

and visualization to project coordination and documentation. Through a combination of lectures, hands-on exercises, and real-world case studies, students gain practical insights into BIM implementation across various construction projects.

The majority of the class sessions take place in the CAD lab, providing students with a conducive learning environment equipped with state-of-the-art facilities. However, the final two days of the course offers a unique opportunity for students to enhance their skills further at the CADD Centre in Kannur. This hands-on experience at a professional training centre allows students to interact with industry experts and gain practical exposure to BIM implementation in real-world scenarios.

Upon completion of the BIM class, students can expect to emerge as proficient BIM practitioners capable of meeting the evolving demands of the AEC (Architecture, Engineering, and Construction) industry. Equipped with sought-after skills in BIM technology, graduates gain a competitive edge in the job market and well-positioned to pursue rewarding career opportunities in architecture, engineering, and construction firms.

This collaboration underscores a shared commitment to fostering innovation and excellence in education. By empowering students with advanced skills in BIM technology, the institutions prepare the next generation of industry leaders to drive transformative change in the built environment.

Placement Offers

Abhijith K P of S8 CE placed at AARBEE Structures Pvt Ltd

Civil Engineering Faculty Honoured with Teaching Excellence Awards at Annual College Induction Ceremony

Teaching Excellence Awards for the academic year 2022-2023 have been officially announced, recognizing the outstanding contributions of faculty members from the Department of Civil Engineering. The accolades were conferred upon four distinguished educators, namely Mrs. Deepthi K., Mrs. Anu George, Mrs. Vijila Balakrishnan, and Mrs. Jean Mary Jacob, for their commendable academic achievements.

The awards were presented during a ceremony held on August 21, 2023, in conjunction with the college induction program. The event served as a platform to honour the exceptional dedication and results-oriented efforts exhibited by these faculty members in the realm of academia.

The esteemed college principal, Mr. Shinu Mathew John, took the opportunity to express his admiration for the department's remarkable academic performance. His words of praise resonated throughout the function, acknowledging the relentless pursuit of excellence by the Department of Civil Engineering.

The ceremony witnessed the participation of faculty members and students from various branches, creating an atmosphere of celebration and camaraderie. The collective applause from the attendees underscored the significance of the department's commitment to academic excellence.

Industrial Visit to Sreenath Prestress Pvt Ltd, Goa: A Day of Immersive Learning

In an endeavour to bridge the gap between theoretical knowledge and practical application, final year students embarked on a transformative industrial visit to Sreenath Prestress Pvt Ltd, Goa. Nestled in the picturesque landscapes of Goa, Sreenath Prestress Pvt Ltd stands tall as a beacon of innovation in the realm of prestressed concrete manufacturing.

The students, brimming with anticipation and excitement, meticulously organized their final year trip schedule, allocating a dedicated day for their rendezvous with the industrial giant. Despite the weariness of a long journey, their enthusiasm remained undeterred as they set foot into the premises of Sreenath Prestress Pvt Ltd.

Upon arrival, the students were greeted with warmth and hospitality, setting the tone for a day filled with enriching experiences.

However, it was the captivating demonstration by the project demonstrator at Sreenath Prestress Pvt Ltd that truly stole the show. With unwavering dedication and expertise, the demonstrator illuminated the intricate processes involved in prestressed concrete manufacturing, leaving the students spellbound.

From the inception of raw materials to the final product, every stage of the manufacturing process was meticulously explained, offering invaluable insights into the amalgamation of science and technology in industrial operations. The students, with rapt attention, absorbed every detail, eager to augment their understanding of the subject matter.

Furthermore, the industrial visit provided a platform for interactive sessions, allowing students to engage in insightful discussions with industry experts. Queries were met with patience and clarity, fostering a conducive environment for knowledge exchange and learning.

As the day drew to a close, the students departed with a newfound appreciation for the intricacies of industrial operations and a renewed zeal to apply their learnings in practical settings. The industrial visit to Sreenath Prestress Pvt Ltd served as a cornerstone in their academic journey, empowering them with experiential knowledge and invaluable insights that transcend the confines of textbooks.

In essence, the visit epitomized the symbiotic relationship between academia and industry, underscoring the importance of hands-on experiences in shaping well-rounded professionals poised to tackle real-world challenges.

As the students bid adieu to Sreenath Prestress Pvt Ltd, they carried with them not just memories of a day well spent, but a reservoir of knowledge and inspiration that will continue to guide their pursuits in the realm of engineering and beyond.

Industrial Visit at Sreenath Prestress Pvt Ltd, Goa

Achievements

Aardra Anil of S8 CE has been cleared NPTEL exam on topic Basic construction materials

Sayana S of S8 CE has been cleared exam NPTEL on topic Basic construction materials

Beyond the Classroom: SATTVA organizes hands-on training on Total Station.

The Department of Civil Engineering, in collaboration with SATTVA, the Civil Engineering Association, organized a comprehensive training session on Total Station for semester 3 students, which was held on December 4, 2023.

The resource person for the training was Mr. Sijo M. Santhosh, an assistant surveyor from Alison Informatics Pvt. Ltd. With a wealth of experience in the field, Mr. Santhosh shared his expertise and insights with the eager students, offering them a unique opportunity to enhance their skills in surveying technology.

The training program was meticulously planned, covering both theoretical and practical aspects of working with Total Station equipment. The theory sessions were conducted in Seminar Hall 1, providing students with a solid understanding of the principles and applications of Total Station technology. The practical demonstrations, held in the Survey Lab, allowed students to apply their newfound knowledge in a hands-on setting.

The day-long event commenced at 10:15 am and concluded at 4:15 pm, ensuring an immersive and comprehensive learning experience for all participants. The targeted audience for this training was the semester 3 students, who benefited immensely from the practical exposure and insights shared by Mr. Sijo M. Santhosh.

The faculty in charge of overseeing the training was Assistant Professor T.V. Chandni, who played a pivotal role in coordinating the event and ensuring its success. Professor Chandni expressed her satisfaction with the turnout and the enthusiasm displayed by the students throughout the training.

Total Station technology is a critical component in modern surveying and civil engineering practices, and the training session aimed to equip students with the necessary skills to excel in their academic and professional pursuits. The collaboration

Between the department of civil engineering and SATTVA reflects a

Training session on total station

commitment to providing students with opportunities for practical learning and industry exposure. The success of the Total Station training program highlights the department's dedication to fostering a well-rounded education that goes beyond traditional classroom teachi

ng. As the semester progresses, the Department of Civil Engineering looks forward to organizing more such collaborative initiatives, providing students with a platform to bridge the gap between academia and industry practices.

Technical Exhibition at Sree Sankara Vidya Peetam, Draws Attention of Engineering Enthusiasts

The technical exhibition conducted at Sree Sankara Vidya Peetam, Senior Secondary School in Mattannur turned out to be a resounding success, attracting students, educators, and enthusiasts alike. Organized over three days from December 7th to December 9th, the event showcased a plethora of innovative projects and cutting-edge technology. Notably, students from St. Thomas College of Engineering & Technology actively participated, enriching the exhibition with their insightful contributions.

Students explaining their exhibits

One of the highlights of the exhibition was the impressive display by the students from the Civil Engineering Department at STM. Fathima Jumina, Siktha K C, and Anusree V from S8 CE captivated the audience by introducing various civil-based instruments. Fathima Jumina elucidated on the chain used for chain survey, while Siktha K C and Anusree V demonstrated the functionalities of the dumpy level and theodolite, respectively showcasing them adeptness in handling advanced surveying equipment.

Further enhancing the exhibition's educational value, Nandaswaroop, Abhinav, Shahabas, Shabeeb and Amegha, from S6 CE presented different-sized sieves utilized in sieve analysis, offering insights into the intricacies of mate rial characterization in civil engineering applications. The technological prowess of STM's civil engineering students were further showcased through a comprehensive overview of various civil-related software. Sariga Jayaraj, Rakhil A, Pradul P, and Adwaith R, from S8 CE elucidated on the working principles and provided practical examples of software tools such as AutoCAD, Revit, ETABS, Green Building Studio, and Twinmotion, demonstrating their proficiency in utilizing modern digital tools in civil engineering design and analysis.

While the focus remained on civil engineering, students from other departments also actively participated, presenting a diverse range of projects and innovations. One of the notable aspects of the exhibition was the commendable effort by STM students in addressing queries & their comprehensive unde-rstanding and ability to communicate complex engin-eering concepts contributed significantly to the success of the event, leaving attendees impressed and inspired.In conclusion, the technical exhibition at Sree Sankara Vidya Peetam Senior Secondary School served as a platform for knowledge exchange, collabor-ation, and innovation, show-casing the bright future of engineering and technology. The participation of STM students, particularly from the Civil Engineering Department, played a pivotal role in elevating the event's stature and making it a memorable experience for all involved.

St. Thomas College of Engineering & Technology Forges Strategic Partnership with ALG International Institute of Technology

St. Thomas College of Engineering & Technology has signed an MoU with ALG International Institute of Technology

St. Thomas College of Engineering & Technology achieved a significant milestone on April 27, 2023, by formalizing a MoU with ALG International Institute of Technology in Kannur. Department of Civil Engineering has taken initiative in signing the MoU.

At the signing ceremony, Dr. Shinu Mathew John, Principal of St. Thomas College, and Mr. Muhammed Shafique, CEO of ALG International Institute of Technology, signed the MoU, marking the commencement of a promising alliance.

ALG International Institute of Technology, distinguished by its ISO certification, stands as an advanced institute specializing in courses encompassing industrial robotics, artificial intelligence, embedded geographic information systems.

The institute's commitment goes beyond mere collaboration; it extends to ensuring comprehensive support and assistance for projects and invaluable industrial training opportunities for the students of St. Thomas College of Engineering & Technology. As a testament to their commitment to nurturing talent, they express their readiness to consider hiring these students on a temporary. or permanent basis This strategic partnership holds the promise of enriching educational experiences for students, facilitating practical exposure, and bridging the gap between academia and industry. St. Thomas College of Engineering & Technology anticipates a fruitful collaboration with ALG International Institute of Technology, opening avenues for innovation and excellence in the field of engineering and technology.

Embarking on a Journey of Excellence: Celebrating the Convocation of the 2019-23 Batch Civil

Achievements

Mr. Mohammed Zahin PM, got selected in the KTU F Zone team to compete in KTU Interzonal Table Tennis Championship. Zahin represented the college in the Table tennis men's team STM at KTU F Zone table tennis tournament held at Govt College of Engineering Kannur on 29/10/2023. The Men's team secured third place from all the matches therein. At the KTU Interzonal Table Tennis Tournament, held at FISAT Angamaly, on 02/11/2023, the team represented by Zahin won till the quarter finals.

Civil Department toppers, 2019 - 23 batch

Adithva K

Anagha K

Jinsha M

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From Theory to Practice: AutoCAD Workshop Triumphs

In a bid to enhance the practical skills of its students, SATTVA, the Civil Engineering Association at St. Thomas College of Engineering and Technology, organized a comprehensive one-day AutoCAD workshop on October 3, 2023. Aimed at enriching the academic experience of Second Year B.Tech. Semester III students, the workshop unfolded in the CAD Lab, offering a practical insight into the intricacies of AutoCAD. The workshop, led by esteemed faculty members Dr. Arun Kumar Selvarajan, Ms. Manasa Mukundan, and Ms. Jisna P, catered to 35 enthusiastic participants.

The comprehensive curriculum of the AutoCAD Workshop was meticulously aligned with the course contents of the Civil Engineering Planning and Drafting Lab, a crucial component of Semester III.

The sessions delved into fundamental concepts and practical applications, equipping students with essential skills for their academic and professional journeys.

The proceedings commenced with an inaugural address by Ms. Vijila Balakrishnan, Head of the Civil Engineering Department, setting the tone for an engaging and educative day. The core focus of the workshop was to familiarize students with AutoCAD's basic tools and commands. Under the guidance of the experienced instructors, participants actively engaged in hands-on exercises, honing their proficiency in drawing tools such as lines, circles, and arcs and exploring various methods of utilization. The instructors systematically navigated through the modification tools, elucidating techniques like move, mirror, rotate, offset, and more. Practical sessions were seamlessly integrated into the workshop, allowing students to apply their newfound knowledge to creating intricate objects using both drawing and modification tools.

Students and staffs participated in AutoCAD workshop

Among the highlights, sessions were dedicated to layers and properties, elucidating their significance and practical applications in drawing. The workshop emphasized practicality, encouraging students to create a plan with specified dimensions and providing them with a real-world application of their acquired skills. The overall feedback from participants underscored the workshop's value in enhancing their understanding of AutoCAD and its applicability in civil engineering projects. The event not only contributed to the academic growth of the students but also laid a foundation for their future professional endeavours in the realms of engineering and design.

Certificates of participation were awarded to all 35 students, acknowledging their commitment to advancing their skills. SAATVA and the Civil Engineering Department expressed satisfaction with the workshop's success, reaffirming their dedication to providing holistic education that extends beyond traditional classroom learning.

In conclusion, the SAATVA-organized AutoCAD Workshop served as a testament to the institution's commitment to nurturing well-rounded, skilled professionals, ensuring that students are well-prepared for the challenges of the rapidly evolving field of technology and engineering.

Achievements

Mrs. Vijila Balakrishnan has been successfully completed NPTEL course on topic Geotechnical engineering laboratory and Outcome based pedagogic principles for effective teaching

Dr. S Arun Kumar has been successfully completed NPTEL course on topic Wastewater treatment and recycling Plastic waste management

Ms. Roopa Balakrishnan has been successfully completed NPTEL course on topic Geotechnical engineering laboratory

Ms. Deepthi K has been successfully completed NPTEL course on topic Geotechnical engineering laboratory

Placement Offers

Aardra Anil, Afra Fathima and Hiba Fathima placed at Intellipat

Anusree V, Hiba Fathima and Fathima Jumina T N got selected in ESAF Microfinance and Investments Pvt. Ltd.

Fathima Jumina T N and Hiba Fathima got selected in Sutherland Global Services

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