

CIVIL CHRONICLES

The newsletter of the department of civil engineering

VOL 1- ISSUE 4

ACADEMIC YEAR 2022-23

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

April 18, 2023



St. Thomas College of Engineering & Technology has signed an MoU with Specula consultancy and developers private limited

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 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.



VISION:

To grow as a globally recognized center in Civil Engineering with a focus on innovation and research by combining technical and ethical qualities.

MISSION:

M1: Professional Skills

To provide a better environment to encourage innovative and research thinking among students.

M2: Life-Long Learning

Instill in students contemporary knowledge in order to achieve academic and professional excellence with global perspective through experience of lifelong learning.

M3: Engage with Society

Impart a sense of community responsibility and leadership qualities to better meet the challenges of sustainable growth.

Achievements



Mr. Safal Nihal and Mr. Adwaith R represented the college at KTU F zone volleyball tournament at GECK held at School of Physical Education.

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

April 27, 2023



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.



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

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.

SATTVA CIVIL DEPARTMENT SHINES BRIGHT WITH AAKRITI 2K23

April 27,2023



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.

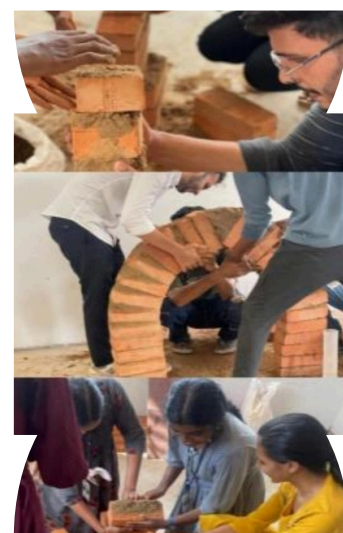
The fest kicked off with an inaugural ceremony that set the tone for the days ahead. The event was inaugurated by chief guest Sindhu T. V., Asst. Executive Engineer, Inland Navigation Sub Division Office, Kannur. The event commenced with a thought provoking presidential address by Dr. Shinu Mathew John, 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 express 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 within the civil engineering community.



PROGRAM SPECIFIC OUTCOMES (PSOs)**PSO1**

To solve engineering problems related to Civil Engineering by systematic techniques, skills and tools to meet the ever growing needs of sustainable infrastructural development.

PSO2

Design and build Civil Engineering-based systems in the context of structural, geotechnical, transportation and environmental requisites.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**PEO1**

Achieve excellence in the professional practices of Civil Engineering by utilizing the acquired knowledge and technical skills supported by modern day tools.

PEO2

Participation in decision making and nation building by adopting energy efficient and sustainable practices in Civil Engineering.

PEO3

Encourage innovative thinking and entrepreneurship by research and higher studies in advanced areas of Civil Engineering.

PROGRAM OUTCOMES (POs)**Engineering Graduates will be able to:****PO1**

Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2

Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3

Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4

Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5

Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6

The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7

Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9

Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10

Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11

Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12

Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



**St Thomas College of Engineering and Technology
Sivapuram, PO Mattanur, Kannur 670702**

EDITORIAL TEAM

Asst. Prof. Vijila Balakrishnan

Rakhil A (CE 2K20 Batch)

Siktha K C (CE 2K20 Batch)

Aiswarya Santhosh (CE 2K21 Batch)