

Department of Civil Engineering, VISAT



SAGA

January - April 2023 / Vol 02

COLLEGE VISION

To be a nationally recognized centre of excellence in engineering education and research for creating professionally competent and socially committed engineers equipped to meet the developing technological and socio-economic needs.

COLLEGE MISSION

We are committed to

1. Impart technical education through value based holistic teaching and learning integrating innovative practices.
2. Nurture the practice of real-world problem solving, the spirit of entrepreneurship, and critical thinking among the students.
3. Foster a conducive environment for Research, Innovation, and extension services.
4. Develop the potential of human resources to meet the requirements of cutting-edge technology.
5. Prepare all students for successful careers based on a strong moral & ethical foundation.

DEPARTMENT VISION

To be a premier provider of engineering education and research for creating technically sound and ethically responsible Civil Engineers, capable of empowering the society.

DEPARTMENT MISSION

We are committed to

1. Impart technical knowledge and skills in Civil Engineering through innovative teaching and learning practices.
2. Foster research & innovation for the amelioration of society.
3. Develop individual competencies and team leadership to enhance employability and entrepreneurship in students.
4. Nurture moral and ethical values among students for their successful career.

MESSAGE FROM HEAD OF THE DEPARTMENT

Prof. Timi Thomas

I am pleased to welcome you to the second volume of our newsletter *Saga* which highlights the recent accomplishments, events, and initiatives of our department. The Department of Civil Engineering of VISAT Engineering College has continued to strive towards excellence in education and consultancy. I want to take this opportunity to thank all our faculty and staff for their tireless efforts in contributing to our department's success. Your hard work and commitment to excellence make a significant impact on our students' lives and the wider community.



PROGRAM SPECIFIC OUTCOMES (PSO)

After the completion of the program, students will be able to

PSO1. Identify the need for soil investigation and structural analysis in a construction project and to undertake the soil tests, structural design and estimation.

PSO2. Plan, design, construct, operate and maintain the engineering systems to enhance the quality of the environment and protect public health and welfare.

PSO3. Analyze, design, construct and maintain safe and efficient transportation systems.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

4 or 5 years after the completion of the program, the graduates will

PEO1. Have proficiency in providing solutions to Civil Engineering problems in industry and Government organisations.

PEO2. Engage in continuous learning for their professional development.

PEO3. Become leading professionals, innovator, entrepreneur and/or researcher.



FACULTY MEMBERS



Dr. Eby Thachil
Professor



Soniya John
Assistant Professor



Jibi Kurian
Assistant Professor



Radhika R
Assistant Professor



Thanuja sasi
Assistant Professor



Neetha Mathew
Assistant Professor



Sindhu N
Lab Instructor

CONSULTANCY SERVICES FOR NATPAC



The Department of Civil Engineering had signed the consultancy services of KSCSTE - National Transportation Planning and Research Centre (KSCSTE- NATPAC) for laboratory investigations for the project "Technical Review and Support Services for Development of PEDs for Selected Roads using FDR Technology". The consultancy work involves a cost of over Rs. 1,00,000. According to the FDR technique, soil classification of each stretch of soil was determined and thereby followed by a heavy compaction test of the combined mix and also variable percentage proportion of cement as well as additive was adopted for testing strength characteristics. The entire work was done by a team that includes staff and students of the Civil Engineering Department. The students acquired knowledge of various testing practices to be done for FDR technique.

PATENTS APPLIED

- Anisha Jayadevan, Gopika G, Vyshakh S Anil, Radhika R (2023), "*Experimental Investigation on Super Performance Interlocking Tiles*", Intellectual Property India (IPR).
- Ansiya Navas, Aparna T, Jesteena K J, Uthara Shaji (2023), "*Experimental Investigation on Permeable Pavement with Ceramic Tile Wastes*", Intellectual Property India (IPR).
- Arun V R, Cigin S Kallurumbil, Gokul K R, Jibi Kurian (2023), "*Experimental Investigation on Properties of Modified Hollow Laterite Cement Bricks*", Intellectual Property India (IPR).

TECHNICAL TALK ON ADVANCED BIM USING AR AND VR TECHNOLOGY

A technical talk on 'Advanced BIM using AR & VR Technology' was organized by the Department of Civil Engineering on 3rd March 2023 at VISAT Engineering College. Mr. Rahul from SolidCAD was the resource person for the program.

The session started at 2.00 pm with an introductory class on Building Information Modeling (BIM) and Augmented Reality (AR) and Virtual Reality (VR). BIM methodology is the newest and the latest technology that has entirely changed the ideas of designing and developing a data-rich building project.

The next session started at 3.00 pm. An introduction on advancement on BIM by using AR & VR technologies was provided to students. For BIM projects, construction sectors are relying more on Augmented Reality and Virtual Reality technologies. The talk concluded at 4.00 pm with the National Anthem.



TECHNICAL TALK ON DURABLE & SUSTAINABLE CONCRETE

A technical talk on 'Durable and Sustainable Concrete' was organized by the Department of Civil Engineering on 16th March 2023 at VISAT Engineering College. The program was started by a prayer song followed by a welcome address by Aparna T, student of eighth semester of the Civil Engineering Department. The event was inaugurated by the lamp lighting ceremony. Er. Sanulal K H, Technical Service Manager at Ramco Cements and Executive Committee member of ICI Kochi delivered the inaugural speech. The token of gratitude was awarded to the guest by Prof. Dr. Anoop K J, Principal. The vote of thanks was delivered by Uthara Shaji, student of eighth semester of the Civil Engineering Department.

The technical session started with an introductory class on constituents of concrete. A detailed explanation on the types of cement and aggregates were given to the students. The properties such as workability, water cement- ratio and its effect on concrete were also discussed. The next session session was all about how to make durable and sustainable concrete.

The talk concluded with an interactive session with the students where the students cleared all their doubts on concrete and its constituents.



MOU FOR SITE SUPERVISION



The Department of Civil Engineering had signed an Memorandum of Understanding with Mr. Noble John Attapurathu for the supervision of construction of his house at Ramapuram. The staff and students of the department are a part of this consultancy work. The students can gain practical knowledge and are exposed to the working environment.

CENT PERCENT RESULT IN KTU S6 & S7 EXAMINATIONS FOR 2019-2023 BATCH

TOPPERS

KTU S6 Examination June 2022



Uthara Shaji
2019-2023 Batch
SGPA- 9.24



Anisha Jayadevan
2019-2023 Batch
SGPA- 9.00



Gopika G
2019-2023 Batch
SGPA- 8.80

KTU S7 Examination January 2023



Anisha Jayadevan
2019-2023 Batch
SGPA- 8.50



Uthara Shaji
2019-2023 Batch
SGPA- 8.33



Gopika G
2019-2023 Batch
SGPA- 8.10

FDP ON UNIVERSAL HUMAN VALUES



Soniya John

Assistant Professor



Jibi Kurian

Assistant Professor

Asst. Prof. Soniya John and Asst. Prof. Jibi Kurian of Civil Engineering Department had successfully completed 5 day Faculty Development Program on Universal Human Values in Education (UHV-I) organised by AICTE.

CONSULTANCY FOR KERALA WATER AUTHORITY (KWA)



The Department of Civil Engineering was involved with the laboratory testing of soil for the project 'Deposit Work- ARWSS to Maneed and Mulanthuruthy- Repairing of the damaged clear water channel from filter bed to sump and removing, cleaning, repacking including top-up of 3 numbers of Rapid Sand Filter beds in Maneed WTP' by Kerala Water Authority, Piravom.

INDUSTRIAL VISIT



The Department of Civil Engineering had organised an industrial visit to Matter Lab, Kozhikode on 25th April 2023. 25 students accompanied by 2 staff visited the lab. The students were able to see different testing laboratories of Civil Engineering such as Material Testing Lab, Geotechnical Engineering Lab, Transportation Engineering Lab, Environmental Engineering etc . The students acquired knowledge on the testing procedures.

LIFE MISSION

The Department of Civil Engineering was involved in the Life Mission Scheme of Elanji Gram Panchayat. The architectural plans for the houses under this scheme was sketched in the AutoCAD and submitted in the Panchayat. The students of eighth semester were involved in the work.

UPCOMING EVENTS

1. Internships
2. Industrial Visit
3. Workshop
4. Placement Training

