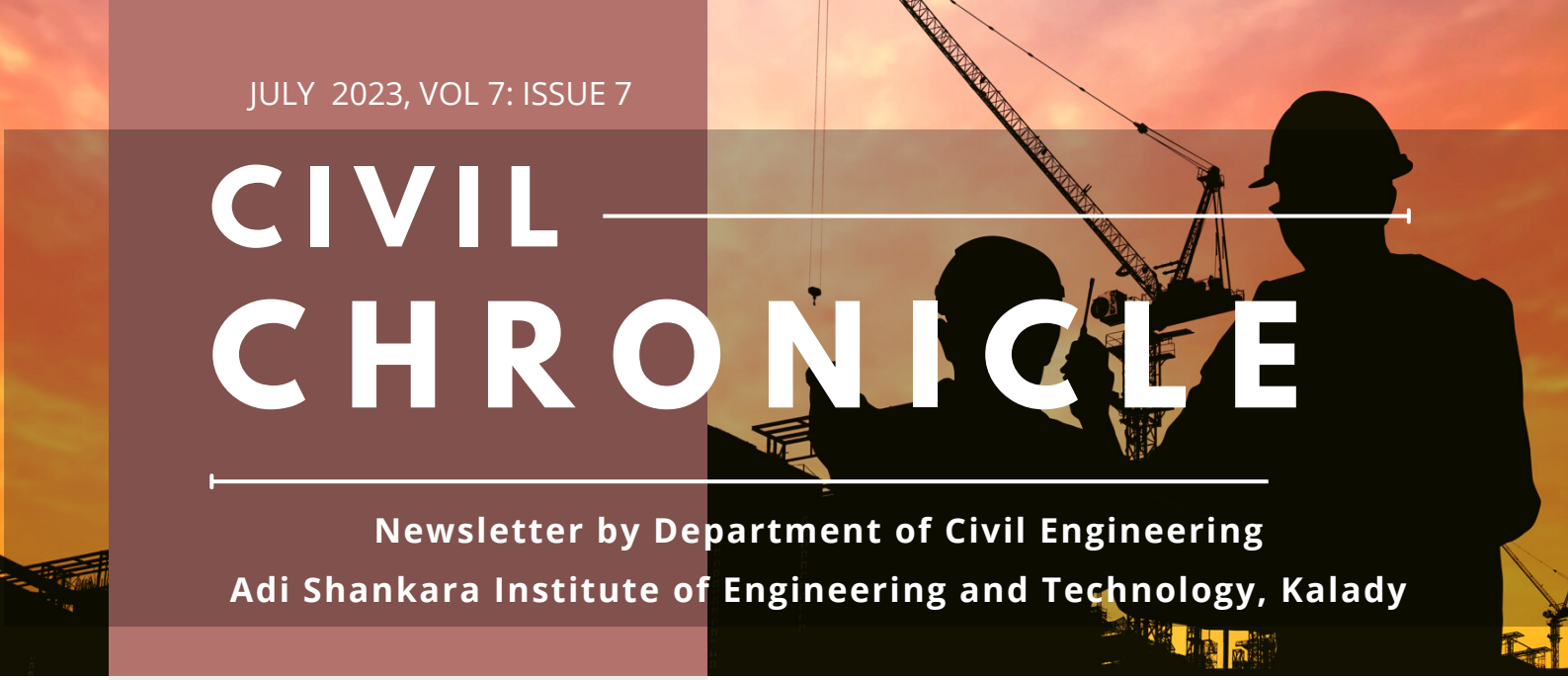
JULY 2023, VOL 7: ISSUE 7

CIVIL CHRONICLE



Newsletter by Department of Civil Engineering
Adi Shankara Institute of Engineering and Technology, Kalady

IN THIS ISSUE

DEPARTMENT VISION

TO EMERGE AS A CENTRE OF EXCELLENCE IN CIVIL ENGINEERING WITH GLOBAL PERSPECTIVES.

DEPARTMENT MISSION

- TO IMPART QUALITY PROFESSIONAL EDUCATION SO THAT THE STUDENTS EMERGE AS A COMPETENT PROFESSIONAL IN THE AREA OF CIVIL ENGINEERING.
- TO PROMOTE INNOVATIVE THINKING AND LIFELONG LEARNING IN BUDDING ENGINEERS.
- TO PRODUCE CIVIL ENGINEERS WHO HAVE IMBIBED ETHICAL VALUES TO SERVE THE SOCIETY AND NATION.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- GRADUATES WILL HAVE A POTENTIAL TO PURSUE HIGHER STUDIES AND RESEARCH IN THE FIELD OF CIVIL ENGINEERING AND INTERDISCIPLINARY AREAS.
- GRADUATES WILL BE ABLE TO PRODUCE SUSTAINABLE SOLUTIONS WITH PROFESSIONAL ETHICS FOR REAL TIME CIVIL ENGINEERING PROBLEMS.
- GRADUATES WILL HAVE MANAGERIAL SKILLS AND LEADERSHIP QUALITIES IN EXECUTION OF CIVIL ENGINEERING PROJECTS.
- GRADUATES WILL BE ABLE TO WORK WITH INTEGRITY AND ETHICAL VALUES.

PROGRAM SPECIFIC OUTCOMES (PSOS)

AFTER SUCCESSFUL COMPLETION OF B.TECH IN CIVIL ENGINEERING, THE STUDENTS WILL BE ABLE TO:

- CHECK THE FEASIBILITY AND SUSTAINABILITY OF CIVIL ENGINEERING PROJECTS BY CONDUCTING GEOTECHNICAL INVESTIGATION, CIVIL ENGINEERING SURVEY AND ENVIRONMENTAL IMPACT ASSESSMENT.
- ANALYSE AND DESIGN BUILDINGS, HYDRAULIC STRUCTURES AND WATER DISTRIBUTION, WASTE MANAGEMENT AND TRANSPORTATION SYSTEMS.
- EXECUTE CIVIL ENGINEERING PROJECTS WITH THEIR KNOWLEDGE IN ESTIMATION, PROJECT MANAGEMENT, CONSTRUCTION MATERIALS AND TECHNOLOGIES

FACULTY ORIENTATION PROGRAMME

A two day Faculty Orientation Program (FOP'23) was conducted from 20th to 21st July 2023, for all new faculty members by the Faculty Professional Enrichment Cell (FEPC) of ASIET. The sessions were held at ECE seminar hall.

INSTITUTE EVENTS

EXCELLENT PERFORMANCE OF 2019-2023 BATCH

University results of semester 8 : Batch 2019 - 2023 achieved outstanding results with a pass percentage of 97%.

DEPARTMENT ACHIEVEMENTS

KTU RESULTS OF BATCH 2019-23

DEPARTMENT ACHIEVEMENTS

S1 CE KTU RESULTS

DEPARTMENT ACHIEVEMENTS

STUDENT ACHIEVEMENTS

Surya K S and Saniyamol A A secured fifth and seventh position in APJAKTU B.Tech (CE-BATCH 2019-23) examination.

STUDENT ACHIEVEMENTS

STAFF OUTREACH

Mr. Abishek Kumar A A - Assistant Professor, Department of Civil Engineering was the resource person for the session on “Linways” for faculty orientation programme held on June 20 at ECE Seminar Hall, ASIET.

STAFF OUTREACH

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Ms. Clydin P A, Assistant Professor, Department of Civil Engineering participated in a webinar on “Tekla Structural Designer” conducted by InterCad systems on 25th July 2023.

STAFF OUTREACH

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- Dr A N swaminathen, Professor of the department has published a paper titled "Use of Plastic for Sustainable Concrete", in the Journal of Engineering Analysis and Design, Volume 5, Issue 2, HBRP publications.
- He also received a patent for the design of "TOUCH CONTROLLED CONCRETE HARDNESS TESTING DEVICE ".

STAFF OUTREACH

STRIKING A HARMONIOUS BALANCE: TECHNOLOGY AND NATURE IN THE MODERN AGE

In the ever-evolving landscape of the 21st century, the relationship between technology and nature has become a paramount concern. On one hand, technological advancements have revolutionized the way we live, offering unparalleled convenience, efficiency, and connectivity. On the other hand, the escalating exploitation of nature has triggered environmental degradation and profound ecological imbalances. Striking a harmonious balance between these two seemingly contrasting forces has emerged as a pressing challenge that necessitates collective action and mindful choices.

Technology has undoubtedly improved our lives in numerous ways. From instant communication through smartphones to life-saving medical breakthroughs, technological innovations have streamlined processes, augmented human capabilities, and fostered global interconnectedness. The rise of renewable energy solutions, smart grids, and sustainable transportation systems also holds the promise of mitigating environmental impacts, providing a glimmer of hope for a future in which technology supports rather than undermines nature.

FOOD FOR THOUGHT

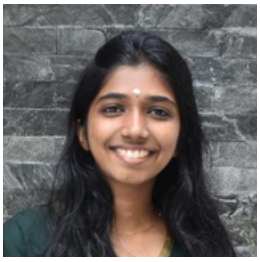
However, the rapid growth of technology has come at a cost. Rampant industrialization, deforestation, and excessive consumption have left indelible marks on the environment. Climate change, biodiversity loss, and pollution threaten the delicate balance of ecosystems that sustain life on our planet. The paradox lies in how technology, which holds the potential to solve some of these issues, has also inadvertently exacerbated them. Consequently, it is imperative that we reevaluate our relationship with nature and incorporate a more thoughtful approach to technological development.

Finding a middle ground requires adopting a sustainable ethos that aligns human progress with the preservation of nature. Embracing eco-friendly practices, promoting circular economies, and investing in clean energy alternatives are essential steps toward reconciling technology with the natural world. Additionally, fostering a renewed appreciation for nature and its intrinsic value can inspire a collective commitment to conservation efforts.

Communities, governments, and businesses must collaborate to create a comprehensive framework for technological advancements that prioritize environmental sustainability. This could involve stringent regulations on harmful practices, incentivizing green initiatives, and supporting research for eco-friendly innovations. Integrating environmental education into school curriculums and raising awareness about ecological issues will also play a pivotal role in fostering a generation of environmentally conscious individuals.

In conclusion, achieving a balance between technology and nature is not an insurmountable task. By acknowledging the interconnectedness of these forces and making conscious choices to prioritize sustainability, we can forge a symbiotic relationship that fosters human progress while preserving the natural world for generations to come. It is in this balance that we can find the path towards a more prosperous and harmonious future for both humanity and the planet we call home.

Contributed by



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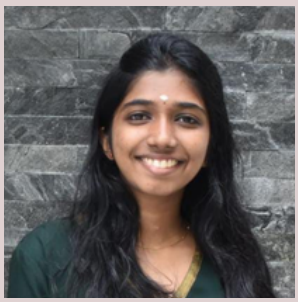

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HOD'S MESSAGE

IN THE HIGHLY COMPETITIVE WORLD OUTSIDE, I BELIEVE IN THE VALUE OF HARD WORK, COMMITMENT AND HUMANITY. THESE VALUE ADDITIONS ARE VERY MUCH ESSENTIAL FOR THE YOUNG TECHNOCRATS, ENGINEERS AND SCIENTISTS. AS A DEPARTMENT HEAD I ENVISION MY COLLEAGUES AND STUDENTS WALKING HAND IN HAND AND BUILDING THEIR IDEAS FOR A DEVELOPED NATION.

MR. ANEESH P C