CIVIL CONNECT NEWSLETTER

Academic year 24-25 Jan2025-April 2025

Krantiveer Vasantrao Narayanrao Naik Shikshan Prasarak Sanstha

LOKNETE GOPINATHJI MUNDE

INSTITUTE OF ENGINEERING EDUCATION & RESEARCH

Canada Corner, Sharanpur Road, Nashik 422 002

Approved by AICTE, Accrediated 'B' Grade by NAAC

DEPARTMENT OF CIVIL ENGINEERING (Diploma)

DEPARTMENT'S VISION :"To excel in field of Civil Engineering by Empowering the students with quality technical education and hands on skills to serve industry and society."

DEPARTMENT'S MISSION:

M1: To provide quality education & excellent environment for both faculties & students.

M2: To empower students through theoretical and practical foundations besides design and development skills necessary for lifelong learning, Higher Education, Entrepreneurship and Employment.

M3: To imbibe ethical values, discipline, teamwork, and leadership to nurture socially responsible professionals."

.

Prof:N.B.Karwa
H.O.D

HOD Message

It gives me immense pleasure and pride in heading the most vibrant and progressive department of the institute. The department is bestowed with a blend of young, dynamic, motivated, and experienced faculty. The department pays special attention to practical & industrial training, extra-curricular activities, seminar presentations, etc. of students for their all-round development. We are striving hard to make our students ready to face the challenges and become future global leaders, entrepreneurs, researchers and most importantly, good human beings. Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams, and buildings. Civil engineering is the oldest engineering discipline after military engineering. Due to extensive growth in the construction, infrastructure and real estate sectors in India, the demand of civil engineers is high. Career opportunities for these professionals are available with firms of both the private and public sectors. Besides this, job opportunities are obtainable for them abroad too. Civil Engineers can pursue a very lucrative career.

Workshop on ‘Effective Research Paper Writing

Date: 31st January 2025, Friday
Venue: Seminar Hall, LoGMIEER, Nashik
Organized by: Department of Civil Engineering (Diploma)
Resource Persons: Dr. H. R. Kulkarni and Dr. S. R. Baviskar
The Department of Civil Engineering (Diploma) at LoGMIEER, Nashik, successfully organized a workshop on ‘Effective Research Paper Writing’ on 31st January 2025. The workshop was specifically designed for third-year diploma students, aiming to introduce them to the fundamentals of academic research and provide a clear, structured approach to writing research papers.
During the session, esteemed resource persons Dr. H. R. Kulkarni and Dr. S. R. Baviskar guided students through key components of research writing, including research methodology, literature review techniques, and submission processes for academic journals. The interactive workshop emphasized the importance of critical thinking, originality, and clarity in scholarly writing, offering students practical insights and strategies to enhance their academic writing skills

Workshop on Non Destructive Testing (NDT)

Date: 10th March 2025, Monday
Venue: Seminar Hall, LoGMIEER, Nashik
Organized by: Department of Civil Engineering
Resource Persons: Mr. Aniket Agarwal and Mr. Dhananjay Desale
The Department of Civil Engineering Diploma at LoGMIEER, Nashik, conducted an insightful workshop on ‘Non-Destructive Testing (NDT)’ on 10th March 2025. This session was designed to provide students with hands-on experience in modern testing techniques used in structural evaluation and quality control.Led by experienced professionals Mr. Aniket Agarwal and Mr. Dhananjay Desale, the workshop focused on practical demonstrations of key NDT methods such as the Ultrasonic Pulse Velocity (UPV) Test and the Rebound Hammer Test. These techniques were explained in detail, with live demonstrations enabling students to understand their working principles, interpretation of results, and field applications.

TRADITIONAL DAY - 2K25

LoGMIEER TECH-FEST-2K25

The Department of Civil Engineering successfully organized Burj Mania, a state-level technical fest activity, on 01 March 2025 at the Polytechnic Library. The event aimed to enhance students' practical knowledge, creativity, and structural design skills.Participants from various institutes actively took part in the activity, where they were challenged to design and construct model structures using limited resources within a specified time. The competition focused on testing participants' understanding of structural stability, load distribution, and innovative construction techniques. The event encouraged teamwork, problem-solving abilities, and technical thinking among students. It also provided a platform for interaction between students from different colleges, promoting knowledge exchange and competitive spirit.

Industrial Visit to Pragan,Serene Meadows, Nashik

An industrial visit to the Pragan,Serene Meadows, Nashik , was organized for Third Year Civil Engineering (TYCE) diploma students on 17 th march 2025 from 11:00 PM to 2:00 PM, as part of the subject Building Services. The objective of the visit was to enhance student's understanding of building services as part of their academic curriculum. The visit focuses on Elevators, Plumbing system,Fire protection system, air conditioning and ventilation and rain water harvesting

Bio-Plastics: A Sustainable Alternative to Conventional Plastic

Plastic pollution has become one of the most pressing environmental challenges of our time. Conventional plastics, derived from fossil fuels, take hundreds of years to decompose and contribute significantly to land and marine pollution. In response, scientists and industries have developed bio-plastics, an eco-friendly alternative designed to reduce environmental impact and dependence on non-renewable resources. Bio-plastics are materials made from renewable biological sources such as corn starch, sugarcane, vegetable oils, or even algae. Unlike traditional plastics, which are petroleum-based, bio-plastics aim to be more sustainable and, in some cases, biodegradable or compostable.

Some commonly used bio-plastics include: Polylactic Acid (PLA): Made from fermented plant starch, widely used in packaging and disposable items.Polyhydroxyalkanoates (PHA): Produced by microorganisms, biodegradable in natural environments. Starch-based plastics: Blended with other materials to improve strength and flexibility.It Reduces Carbon Footprint: Bio-plastics generally produce fewer greenhouse gas emissions compared to conventional plastics.Renewable Resources: Made from plants and other biological materials, reducing dependence on fossil fuels.Biodegradability: Some bio-plastics can break down naturally under the right conditions. Less Toxicity: Often safer for food packaging and medical

With increasing awareness of environmental sustainability, bio-plastics are expected to play a significant role in the future of materials science. Advances in technology are helping reduce costs and improve performance. Governments and organizations worldwide are also promoting policies to encourage the use of sustainable materials. In conclusion Bio-plastics represent a promising step toward reducing plastic pollution and creating a more sustainable future. While they are not a perfect solution, continued research, improved waste management systems, and responsible consumption can make bio-plastics an important part of the global effort to protect the environment

Namaswi Mankar

FY CIVIL

Department Newsletter Committee

Name	Designation	Role
Dr.K.V.Chandratre	Principal	Patron
Prof:N.B.Karwa	Head of Department	Chief Editor
Prof.V.L.Avhad	Lecturer	Co-Editor
Namaswi Mankar	Student	Student co-ordinator