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CIVIL CHRONICLE

NEWSLETTER BY DEPARTMENT OF CIVIL ENGINEERING
ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY, KALADY
APPROVED BY AICTE, NEW DELHI. AFFLIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, KERALA

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.
- 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.

DEPARTMENT OF CIVIL ENGINEERING

WORLD BLOOD DONOR DAY CELEBRATIONS

In a heartfelt tribute to the selfless spirit of voluntary blood donors, the Regional Blood Transfusion Center, District Hospital Aluva, in collaboration with the NSS unit of ASIET (Adi Shankara Institute of Engineering and Technology), organized a grand celebration to mark World Blood Donor Day. The district-level inauguration and associated blood donation camp were hosted with enthusiasm and community spirit on the ASIET campus.

The event was formally inaugurated by Shri Manoj Moothedan, Honourable President of the District Panchayath, Ernakulam. In his inaugural address, he emphasized the importance of regular blood donation and praised the youth for their growing participation in such noble causes. His encouraging words served as motivation for the volunteers and attendees alike.

INSTITUTE EVENTS

WORLD BLOOD DONOR DAY CELEBRATIONS

The celebration aimed to raise awareness about the need for safe blood and to thank voluntary, unpaid blood donors for their life-saving gifts of blood. The event also highlighted the critical role that blood donors play in supporting healthcare systems and saving countless lives. Following the inauguration ceremony, a blood donation camp was conducted on campus. With the active involvement of students, faculty members, and local residents, the camp witnessed an overwhelming response. Medical professionals from the Regional Blood Transfusion Center ensured that the donation process was carried out with the highest safety and hygiene standards.

This successful collaboration between healthcare institutions and educational bodies like ASIET not only promoted the culture of blood donation among students but also reinforced the message of community service and humanitarian responsibility.

Such initiatives reflect the power of unity and compassion in building a healthier society. The organizers extended their heartfelt gratitude to all the donors and volunteers who contributed to making the event a memorable and impactful one.

A Vidyadhar Prabhu of CE 2021-2025 batch received the appreciation award for setting an outstanding example of compassion, social responsibility and humanitarian service by regularly donating blood during their academic journey.

INSTITUTE EVENTS

INTERNATIONAL YOGA DAY CELEBRATIONS

The 11th edition of international yoga day was celebrated at Adi Shankara Institute of Engineering and Technology in association with Heartfulness Institute. The event was celebrated on 20th June, 2025 at the main auditorium, ASIET. The event demonstrated pranayamas and several yogasanas as per Ministry of Ayush Protocol.

INSTITUTE EVENTS

FDP ON INNOVATIVE TEACHING AND RESEARCH IN THE ERA OF DIGITAL TRANSFORMATION

The three-day Faculty Development Programme (FDP) on 'Innovative Teaching and Research in the Era of Digital Transformation' was organized from 19th to 21st June 2025 by the Faculty Professional Enrichment Cell (FPEC), ASIET, in association with IQAC, ASIET.

The session marked the beginning of the enriching three-day programme featuring esteemed resource persons and insightful topics. The program enriched the teaching and research capabilities of faculty members by providing insights into recent developments, pedagogical innovations.

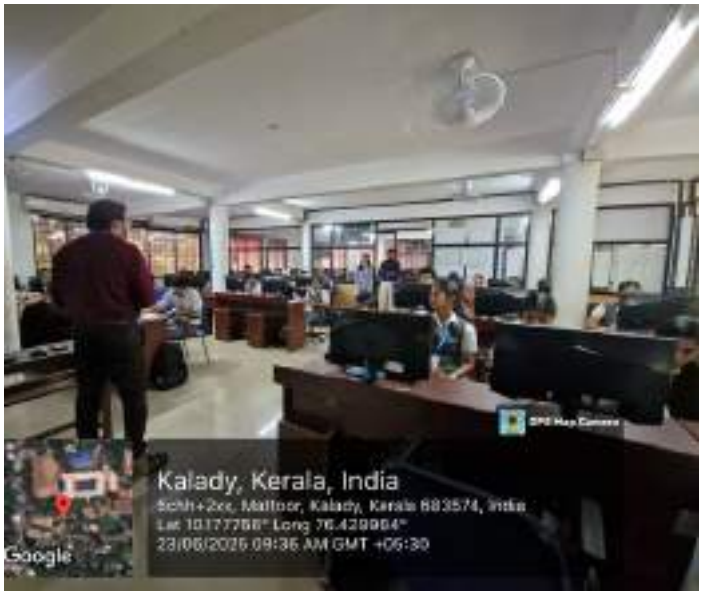
INSTITUTE EVENTS

STAFF ENRICHMENT PROGRAM FOR LABORATORY INSTRUCTORS

The department of civil engineering oraganised a two day staff enrichment program for lab instructors from 9th June 2025 to 10th June 2025.The event was coordinated by Ms. Rosmin Thomas, Assistant Professor of the department. The sessions were handled by Dr. Parameswaran T G, Associate Professor, Ms. Akhila Vijayan, Ms. Dona Joy, Ms. Veena S Kumar, Assistant Professors of the department.

DEPARTMENT EVENTS

VALUE ADDED COURSE ON REVIT ARCHITECTURE



The Department of Civil Engineering, in association with Intercad Systems Pvt. Ltd., organized an intensive 6-day Value Added Course on 'Revit Architecture with BIM Overview' from 23rd to 28th June 2025 to introduce the students to advanced modeling tools. The program, designed for S5 and S7 students, provided hands-on training and insights into BIM technology. The program was coordinated by Dr. Aneesh P C, Associate Professor of the department. The add-on course gave students the chance to explore real-time design and modeling. It was a step towards building industry relevant software skills.

DEPARTMENT EVENTS

STUDENT PLACEMENTS

Shahana M Shah

CE 2021-2025 Batch

Ms. Shahana M Shah has been selected as a Probationary Engineer at Paradigm IT Pvt. Ltd., Kochi. Paradigm is a fast-growing technology company specializing in innovative IT solutions and digital transformation services.

This placement reflects the growing demand for skilled engineers from our department in the industry. We extend our best wishes to Shahana M Shah for a successful and fulfilling career ahead.

STUDENT ACHIEVEMENTS

STUDENT INTERNSHIPS



- Aryanandha C P, Abhishek Anilkumar, and Krishnaveni E K of CE 2022-2026 batch have successfully completed a five-day internship from 24th to 28th June 2025 at the Guruvayoor Private Bus Stand construction site. It was guided by The Uralungal Labour Contract Co-operative Society Ltd.
- Midhuna Mani, Sibiya Sabu, Sivani P Anil kumar and Devapriya E P of CE2022-2026 batch have successfully completed a 10 days internship from PIE Builders and Developers, from 3rd to 13th June 2025. The students have participated in various ongoing projects and gained practical insights.
- Ujwal Kumari, Vaishnavi U Kamath of CE 2023-2027 batch have successfully completed an internship in the Civil Department, Infra Projects, Safety & Training Institute, Cochin Shipyard Limited from 26th to 30th May 2025.
- Athulya Karunakaran of CE 2023-2027 batch has successfully completed internship in the Building Construction from 10th to 19th June 2025 under PWD Building Sections, North Paravur.

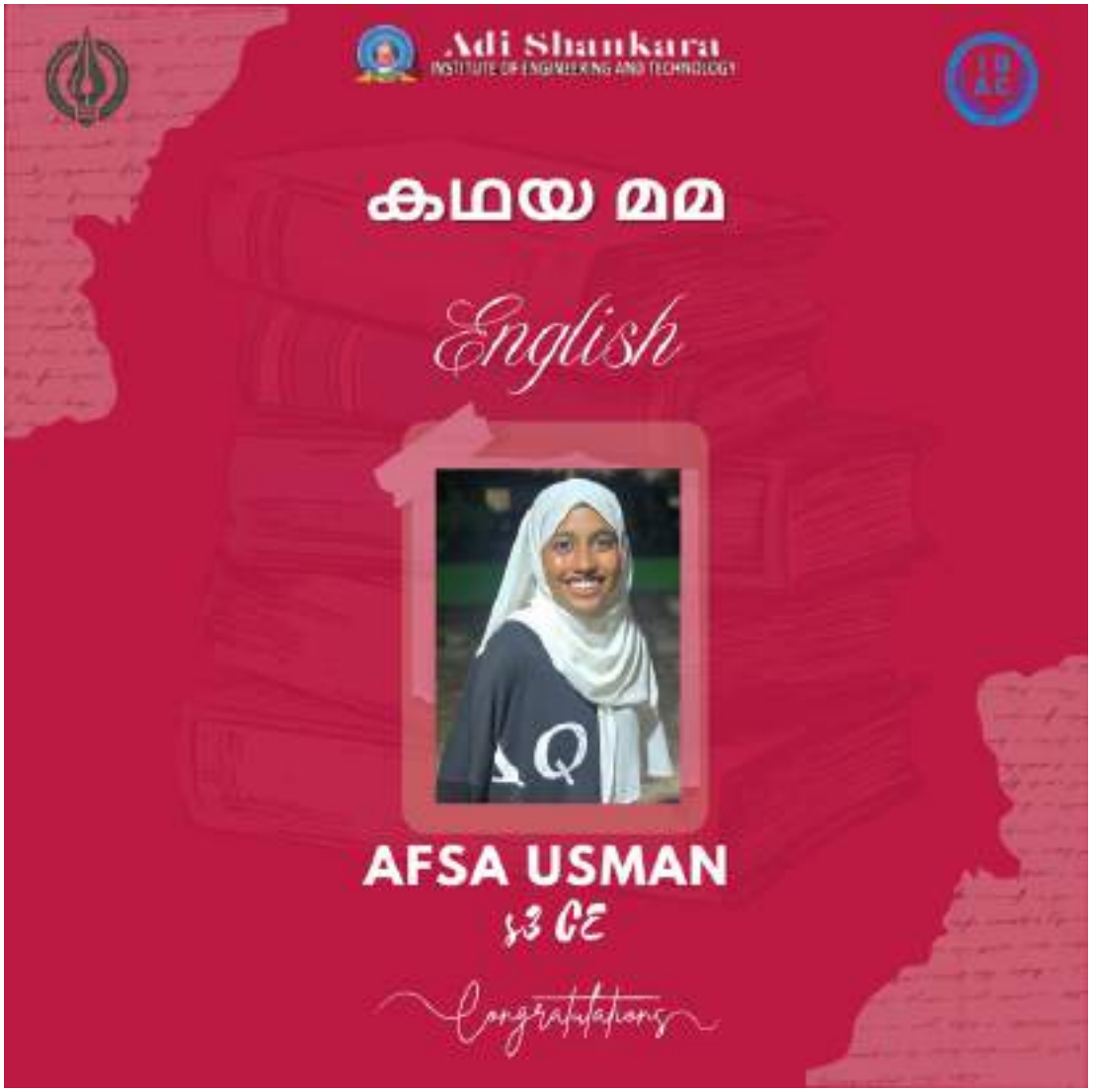
STUDENT ACHIEVEMENTS

STUDENT INTERNSHIPS

- Afsa Usman, Anaina Parvin T K and Thammanna P S of CE 2024-2028 batch have successfully completed an internship by PWD Buildings Section Perumbavoor from 13th to 23rd June 2025.
- Emily A J, Nadhiya Yousef, Thushara Girish of CE 2024-2028 batch have successfully completed an internship by Nobletech Engineering Pvt. Ltd. (NTEL), Palarivattom from 20th to 30th June 2025.
- M Heera Das of CE 2024-2028 batch had successfully completed an internship for 15 days from 5th June 2025 under the Office of Assistant Executive Engineer, LID & EW Sub Division, Mannarkkad, Palakkad.
- Sharon Saji of CE 2024-2028 batch had successfully completed an internship under PWD Buildings Section Aluva from 9th to 20th June 2025.
- Benedict Baby of CE 2024-2028 batch had served as a Trainee at Transatlantic Infraprojects Pvt Ltd. from 5th to 15th June 2025.
- Nihanj Augustine of CE 2024-2028 batch had successfully completed a training on Civil Engineering construction works from El Castillo Builders Pvt. Ltd. Muvattupuzha from 14th to 24th June 2025.
- Dijindev M of CE 2024-2028 batch has successfully completed the internship program under STEPS Builders and Developers from 9th to 22nd June 2025.
- Abhijith M H, Akash T M, Arjun Saji, Arundhathy Suresh, Bhadra Praveen, Ghanasyam K P of CE 2024-2028 batch have successfully participated in the internship on Interior Designing conducted by Archon Engineers from 12th to 21st June 2025.

STUDENT ACHIEVEMENTS

AWARD WINNER - READING WEEK CELEBRATIONS



Congratulations to Afsa Usman of CE 2024-2028 batch, for winning the 'കഥയെ മമ 'contest organized by the ASIET Literary club on June 20th 2025 as a part of the Vayanavaram celebrations.

STUDENT ACHIEVEMENTS

WINNERS IN IDEA PITCHING COMPETITION

On the occasion of World Environment Day 2025, Department of Civil Engineering conducted an Idea Pitching Competition aimed at a greener, cleaner, and environmental friendly society.

Ms.Khadeeja Nilufar K J, of CE2023-2027 batch became the runner up for the event which was coordinated by Ms. Akhila Vijayan and Ms. Harshananda T N, Assistant Professors of the department.

STUDENT ACHIEVEMENTS

PAPER PRESENTATION & PUBLICATION

Dr. K Dhanasekar

Professor and HOD

Dr. K. Dhanasekar, Professor and Head of the Department, presented the paper titled "The Climate Change Impacts and Vulnerability Assessments on the Coastal Environment in Terms of Particle size and their Distribution" at the International Conference on Environmental Geotechnology, Recylcled Waste Materials and Sustainable Engineering. The paper has been published in Lecture Notes in Civil Engineering, Springer series, Vol. 580. The study plays a crucial role in shaping sustainable coastal zone management, enhancing disaster resilience and safeguarding natural ecosystems and human livelihoods from future climate related challenges. Such contributions strengthen the department’s research profile and inspire student involvement in impactful research.

STAFF OUTREACH

FACULTY RECOGNITION

Dr. P K Suresh

Senior Professor

Dr. P. K. Suresh, Senior Professor of the department has been invited to serve as a reviewer for the 7th International Conference on Ocean Engineering (ICOE). The editorial team has selected Dr. P. K Suresh to review the research paper titled “Enhanced PM2.5 Prediction Using BiLSTM with Feature-Engineered Meteorological Data”, acknowledging his expertise in the domain.

STAFF OUTREACH

FACULTY DEVELOPMENT PROGRAMS

Dr. Aneesh P C, Associate Professor, Ms. Akhila Vijayan, Ms. Reema Pius, Ms. Dona Joy, Ms. Rosmin Thomas, Ms. Veena S Kumar, Ms. Anna Varghese, Assistant Professors of the department have successfully participated in the 5 - day Faculty Development Programme on “Innovations in Resilient Infrastructures: Analysis, Design and Adaptation” held from 16th to 20th June 2025, organised by the Department of Civil Engineering, St. Thomas College of Engineering and Technology, Chengannur, Kerala.

Dr. ANEESH P C
ASSOCIATE PROFESSOR

Ms. AKHILA VIJAYAN
ASSISTANT PROFESSOR

Ms. REEMA PIUS
ASSISTANT PROFESSOR

Ms. DONA JOY
ASSISTANT PROFESSOR

Ms. ROSMIN THOMAS
ASSISTANT PROFESSOR

Ms. VEENA S KUMAR
ASSISTANT PROFESSOR

Ms. ANNA VARGHESE
ASSISTANT PROFESSOR

STAFF OUTREACH

FACULTY DEVELOPMENT PROGRAMS

Ms. VEENA S KUMAR
ASSISTANT PROFESSOR

Ms. ANNA VARGHESE
ASSISTANT PROFESSOR

Ms. Veena S Kumar, Ms. Anna Varghese, Assistant Professors of the department have successfully participated in the 5 - day Faculty Development Program on “Next-Generation Construction Practices using BIM” held from 23rd to 27th June 2025, organised by the Department of Civil Engineering, Sri Ranganathar Institute of Engineering and Technology, Athipalayam, Coimbatore, Tamil Nadu.

STAFF OUTREACH

SOME IMPORTANT FEATURES OF NEW SEAPORT AT VIZHINJAM

Vizhinjam port and Vizhinjam International Seaport Thiruvananthapuram are two separate port facilities located in Thiruvananthapuram, Kerala. Its features are

- The port was developed under a public-private partnership (PPP) model at a cost of ₹8,867 crore. Contributions included ₹5,595 crore from the Kerala Government, ₹2,454 crore from Adani Ports (the concessionaire), and ₹817.8 crore Viability Gap Funding (VGF) from the Union Government.
- Natural draft of 20 metres, allowing docking of Ultra Large Container Vessels and can accommodate Panamax class and futuristic vessels.
- Semi-automation, with women crane operators trained at the Community Skill Park.
- India's first greenfield deep-sea port, operational since July 2024 with full-scale commercial activity from December.
- Within months, the port exceeded its projected target of handling 1 lakh Twenty-foot Equivalent Unit (TEUs) annually by processing 6 lakh TEUs
- Global shipping giant Mediterranean Shipping Company (MSC) has included Vizhinjam in its Jade and Dragon shipping services. Notable events include Docking of MSC Claude Girardet, South Asia's largest container ship (24,116 TEUs).
- Handling of 10,330 containers from MSC Anna in a single visit, a record for any Indian port.

FOOD FOR THOUGHT

SOME IMPORTANT FEATURES OF NEW SEAPORT AT VIZHINJAM

Companies involved in project

- Survey-L&T-RAMBØLL Consulting Engineers Limited, Chennai, Rogge Marine Consulting GMBH, Germany (RMC), RAMBØLL, Hannenmann & Højlund A/S, Denmark (RAMBØLL) and L&T Capital Company Limited, India (LTC).
- Geotechnical survey-Fugro Geotech Pvt. Limited
- Marine survey-EGS Survey Pvt. Ltd.
- Studies-Royal Haskoning-Netherland, L&T-RAMBØLL Consulting Engineers Limited,
- Chenna, BMT Consultants India
- DPR-Rail Vikas Nigam Limited, Chenna
- Master plan-AECOM India Private Limited
- CRZ-Centre for Earth Science Studies Thiruvananthapuram
- Breakwater construction - ITD Cementation India Limited
- Economic report-Deloitte Touche Tohmatsu India Private Limited

Location

SOME IMPORTANT FEATURES OF NEW SEAPORT AT VIZHINJAM

Port breakwater

The components of the port are Breakwater of total length 3,100 (main breakwater 2,960m with 140m extension for fish landing harbour), Container berth length of 800 m capable of handling up to current largest 18,000 TEU container vessels, Container yard behind the quay, Facilities for Port craft and fish landing centre with a total berth length of 500m and associated infrastructure facilities.

Dr. P K Suresh

Senior Professor

FOOD FOR THOUGHT

VISION: GENERATIVE FOOD AS MEDICINE – THOUGHT FOR FOOD

In a world where food is more than sustenance, we envision a future where every bite is tailored, intelligent, and healing. Generative food as medicine merges cutting-edge biotechnology, AI, and personalized health data to create foods that don't just feed the body — they regenerate it.

We call this vision "Thought for Food" — a new paradigm where deep care, science, and intentionality converge. It's food designed by insight, not impulse. A system where AI models understand your biology, your mood, your environment, and even your microbiome, to co-create meals that balance hormones, calm inflammation, enhance cognition, and prevent disease.

Imagine:

A breakfast smoothie tailored daily to your sleep quality and stress levels.

A dinner that modulates your blood sugar while nourishing your gut flora.

A snack that doubles as a cognitive enhancer, mood stabilizer, or even immunomodulator.

This isn't just functional food. It's generative nutrition — constantly evolving with you, learning your needs, and optimizing your health in real time. It's personalized, planetary-conscious, and powered by data with soul.

Thought for food is food with thought — where nourishment becomes a dialogue between human, machine, and nature. Where every meal is a medicine, every ingredient intentional, and every bite a step toward longevity, vitality, and balance.

VISION: GENERATIVE FOOD AS MEDICINE – THOUGHT FOR FOOD

Modern healthcare systems are reactive — treating symptoms after disease has taken root. Meanwhile, our food systems are disconnected from individual biology, often contributing to chronic illness rather than preventing it. The concept of "Food as Medicine" has gained momentum, but to realize its full potential, we must go further.

Enter Generative Food as Medicine — a . Infrastructure for a Generative Food Future

To realize this vision, we need:

Open Health Platforms: Interoperability between health apps, food tech, and AI models.

Precision Farming and Cellular Agriculture: Inputs that are programmable and nutrient-specific.

Kitchen-as-a-Service Models: Cloud kitchens or home bioreactors that "print" or assemble meals on-demand.

Regulatory Evolution: Frameworks to validate functional claims and ensure safety in AI-generated diets.

Ethical AI: Transparent, bias-aware food recommendation systems that respect cultural, social, and psychological dimensions of eating.

Philosophical Foundation: "Thought for Food".

VISION: GENERATIVE FOOD AS MEDICINE – THOUGHT FOR FOOD

“Thought for Food” is the ethical backbone of this vision. It challenges us to ask:

What if food weren’t just eaten but co-designed with the eater?

What if eating were not an act of consumption but regeneration?

What if AI could nourish not just bodies, but futures?

To have thought for food is to move from mindless consumption to mindful nourishment — a partnership between nature, human intent, and machine intelligence.

Outcomes and Impact

For Individuals:

Reversal of chronic disease, Enhanced cognitive and emotional well-being, Longer and healthier lives

For Society:

Lower healthcare costs, Decentralized food innovation

The future of food is not in the past, nor just in the present—it is a living, adaptive ecosystem of healing. Generative Food as Medicine invites us to reimagine the kitchen as a lab, the plate as a prescription, and the act of eating as an intelligent, healing ritual. With deep thought for food, we don’t just eat to live — we eat to evolve.

UJWAL KUMARI
S5 CE

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Dr. K DHANASEKAR

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S3 CE

HOD'S MESSAGE

AS THE DEPARTMENT HEAD, I ENVISION OUR COLLEAGUES AND STUDENTSWALKING HAND IN HAND, COLLECTIVELY CONSTRUCTING INNOVATIVE IDEASFOR A MORE DEVELOPED NATION.
LET'S CONTINUE THIS MOMENTUM AND STRIVE FOR EXCELLENCE IN ALL OURENDEAVOURS.