



ANJUMAN-I-ISLAM'S
KALSEKAR TECHNICAL CAMPUS'S, PANVEL, NAVI MUMBAI
SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING

CONSTRO 2022-23

Annual Magazine

2022-23 (June 2023, Volume 1)



Vision: To be the Most Sought-After Academic, Research & Practice-Based Department of Civil Engineering that Others would Wish to Emulate

Mission: Creating Exuberant Civil Engineering Professionals

To give real service you must add something which cannot be bought or measured with money, and that is sincerity and integrity

SIR M. VISVESVARAYA



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From the President's Desk



All progress takes place outside the comfort zone!

We proudly acknowledge the dreams of the stalwarts who were part of the freedom struggle of India, realizing the need of an education system during the British rule. Due to their far-sighted vision, Anjuman-I-Islam on behalf of its 97 institutions and one lakh ten thousand students, fulfils the educational requirement of the most underprivileged sections of the society today. We wish to expand the magnitude of Anjuman-I-Islam by providing education par excellence at lowest possible cost and ensuring that no student is deprived of education due to lack of finance. Although Anjuman is a Minority organization but it has remained as a true symbol of Secularism and National Integration.

At AIKTC, you will have the pleasure of experiencing quality education through its world class infrastructure and diligent faculties equipping you with the latest trends and practices of the industry to keep you going on the path of professional success. The college is NAAC accredited and facilitates for all kinds of government scholarships and financial aid to the eligible & deserving ones.

"The art challenges the technology, and the technology inspires the art."
Do you wish to be an inspiring change maker???. If YES, then welcome to AIKTC.

Dr. Zahir I. Kazi
President,
Anjuman-I-Islam, Mumbai

From the Chairman's Desk



We are continuously upgrading our teaching-learning system by imparting innovative teaching methodologies both online and offline. During this ongoing pandemic, we have ensured excellent delivery of concepts by the faculties through online portals and special care is taken during practical hours through virtual laboratories. We keep ourselves in tune with the changing dynamics of the industry so as to develop time tested techniques, values and experiences. Our campus is accredited by NAAC and our next step is to get all our programs accredited by NBA for various research opportunities.

We enable every student to explore new realms of knowledge, skills, attitude and wisdom. In this campus, we produce knowledgeable technical professionals having right attitude, character and inspiring mind, thus making them lifelong learners. For this, we do all that is required to be done for you.

By the time you complete your tenure in this campus, you get equipped to tackle every technological challenge or otherwise, with a view to provide solutions.

Wishing you highly rewarding academic years ahead and the most memorable stay on the campus.

“With You.... Till You Do Not Need Us – In Any Way”.

**Mr. Burhan Harris,
Hon. Executive Chairman, Board for Institutions in Navi Mumbai,
Anjuman-I-Islam, Mumbai**

From the Director's Desk



The New Education Policy (NEP 2020) highlighted the need and benefits of multidisciplinary institutions, AIKTC offers multidisciplinary technical education viz. Architecture, Engineering and Pharmacy since its inception in 2011. Our integrated campus provides increased access, even-handedness, and inclusion of the various challenges and opportunities of the future to the students. We have the world class infrastructure wherein our students learn experientially through various technical devices, instruments, equipment, machines and tools at campus or even virtually. Our faculties are focused on students' learning than their teaching by adopting different teaching pedagogies like Outcome-based education (OBE), Activity based learning (ABL), Project based learning (PBL), Blended learning, Flipped classroom techniques etc. to develop strong critical thinking, collaboration, complex problem-solving skills and many more. Before graduating, they can have their own start-up companies mentored through AIKTC Incubation center and become Atma-Nirbhar.

We strive to make our students academically rigorous, integrated and aligned with the needs of industry, society and humanity. We also emphasize on inculcating Universal Human Values (UHV), Professional development and right attitude to fortify your potential to thrive successfully.

Dr. Ramjan Khatik
Director,
AIKTC, New Panvel

From the Dean's Desk

As the Dean of School of Engineering and Technology (SoET), I am thrilled to emphasize on our institution's modern infrastructure and laboratories, which cater not only to the general engineering curriculum but also provide specialized facilities for the Civil Engineering department. Our beloved faculty members, possessing extensive experience in both academia and industry, are committed to nurturing academic excellence and fostering the holistic development of our students. In the Civil Engineering department, we have established a strong tradition of hands-on learning and practical application, complemented by innovative pedagogical approaches such as Outcome Based Education (OBE), Activity Based Learning (ABL), and Project Based Learning (PBL). Through these methodologies, we aim to instill in our students a deep understanding of fundamental concepts and the ability to apply them to real-world scenarios. Our dedication to providing an exceptional academic environment ensures that our graduates are well-equipped with the skills and knowledge necessary to excel in the dynamic field of civil engineering and contribute meaningfully to society's infrastructure needs.

I congratulate the department for bringing out this magazine.

Dr. Rajendra B. Magar
Dean, School of Engineering & Technology



“Learning gives
creativity,
Creativity leads to
thinking,
Thinking provides
knowledge,
Knowledge
makes you great.”

- Dr. A. P. J. Abdul Kalam

"As
Engineers,
we were
going to be in
a position to
change the
world – not
just study it."

- **Henry Petroski**
(**Engineer and**
author)

From HOD Desk



Heartfelt and sincere welcome to the department of Civil Engineering at AIKTC, Panvel, Navi Mumbai. Civil Engineering plays a vital and key role in conformity with providing infrastructure works, from a tiny bungalow to a huge dam. Civil engineer is instrumental in creating smart cities, roads, rail networks, canal facilities, tunnels, flyovers, industrial buildings, etc.

The youth having alacrity to pursue their career in civil are most welcome to our department. The department offers B. E., M. E. (Construction Engineering & Management) and Ph. D. programs. The undergraduate curriculum comprises of the balanced amalgamation of theoretical as well as practical perspectives of various civil engineering domains such as geotechnical engineering, transportation engineering, structural engineering, surveying, building planning, water resources engineering, environmental engineering and engineering geology.

We strive hard to impart value based education, inculcating the qualities of an ethical and honest civil engineer who can handle any type of project with confidence for an overall development of the society.

I am feeling ecstatic about release of this magazine. On behalf of department, I thank the management, Director, Deans, HODs & all the faculty members in campus for their constant support.

Dr. Fauwaz Parkar
Head, Department of Civil Engineering

"Writing is the only thing that, when I do it, I don't feel I should be doing something else."

- Gloria Steinem
(Journalist, social-political activist)

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(Chief Editor)



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Institute Vision

To be the most sought after Technical Campus that others would wish to emulate.

Institute Mission

Creating Exuberant Technical Professionals.

Department Vision

To be the Most Sought-After Academic, Research & Practice-Based Department of Civil Engineering that Others would Wish to Emulate

Department Mission

Creating Exuberant Civil Engineering Professionals

Mission Elements

- **M1:** To Implement the outcome-based education (OBE) model to conform to our belief “students learn what we teach”.
- **M2:** To encourage and upgrade teachers for innovative teaching skills, research and practice.
- **M3:** To provide necessary facilities, machinery, equipment, atmosphere, and ambience that would enable quality academics, research and practice.
- **M4:** To create an ecosystem for professional competition, lifelong learning and reward mechanisms.
- **M5:** To prepare and encourage students for societal welfare, higher studies, entrepreneurship, employment, research and innovations to become a complete human resource.

PEOs

- **PEO 1:** To prepare learners with sound foundation in the mathematical, scientific & engineering fundamentals.
- **PEO 2:** To prepare learners to use effectively modern tools to solve real life problems.
- **PEO 3:** To prepare learners for successful career in Indian & multinational organizations to excel in Postgraduate studies.
- **PEO 4:** To encourage and motivate learners for self-learning.
- **PEO 5:** To inculcate professional, ethical attitude, good leadership qualities and commitment to social responsibilities among learners.

NNRMS-ISRO Sponsored Course on RS & GIS

NNRMS-ISRO Sponsored Certificate Course on RS & GIS Applications in Urban & Regional Studies

Prof. Umesh Jadhav was selected as a Government-sponsored/nominated candidate for the NNRMS-ISRO sponsored Certificate Course on RS & GIS Applications in Urban & Regional Studies, held from May 15th, 2023, to July 7th, 2023, at the Indian Institute of Remote Sensing (IIRS), Dehradun.



The AKTC-ISRO Nodal Center, in collaboration with the Indian Institute of Remote Sensing (IIRS)-Indian Space Research Organization (ISRO), conducted a comprehensive one-week online training program from February 20th to 24th, 2023. The program, tailored for civil engineering faculty, focused on "Geodata Processing using Python," where participants learned the intricacies of geospatial data processing using the increasingly adopted Python programming language.



EXPERT TALK ON VALUATION

On October 18th, 2022, Mr. Prashant Gawali from RICS (Royal Institution of Chartered Surveyors), Amity University, Navi Mumbai, shared his expertise on "Valuation" with final year Civil Engineering students as part of the QSEV (Quantity Surveying, Estimation, and Valuation) course. He provided valuable insights into valuation principles and practices in civil engineering, emphasizing its importance in the construction and real estate sectors. The session covered property valuation methodologies, factors influencing valuation, market analysis techniques, and the regulatory frameworks governing valuation practices, all within the context of civil engineering projects.



ADD- ON COURSE ON AUTOCAD, STAAD PRO, ESTIMATION BY PROF. SHAIKH IRFAN

Prof. Shaikh Irfan organized add-on courses for Civil Engineering students in the Second Year (SE), Third Year (TE), and Final Year (BE) classes, with opportunities also extended to select students from other colleges. Running from February 2023 to June 2023, these courses offered an extensive learning experience in essential Civil Engineering software. The training included AutoCAD Drafting, STAAD Pro, Estimation using Excel, and BBS (Bar Bending Schedule) & Rate Analysis with Excel Spreadsheets. Aimed at supplementing the academic curriculum, the hands-on sessions provided practical skills and knowledge aligned with industry standards. Mastery of these tools equipped students to handle real-world civil engineering challenges and improve their employability in a competitive job market.



SITE VISIT TO RMC PLANT BETON READYMIX LLP, TURBHE, MIDC, NAVI MUMBAI

On October 2nd, 2022, third-year students visited Ready-Mixed Concrete Plant of BETON READYMIX LLP, Turbhe, MIDC, Navi Mumbai under the courses Advanced Concrete Technology and Concrete Consultant Practices (Honors Degree). It was aimed at providing students with practical insights of production processes and industry practices related to concrete. Accompanied by a team of experienced faculty Prof. Mohammed Junaid Siddiqui, Prof. Fauwaz Parkar, Prof. Firoz Nadaf, and Prof. Irfan Nalband,

the students embarked on a field trip that aimed to bridge the gap between theoretical knowledge and real-world application in the field of concrete technology.

Students observed the production stages of RMC, from raw material procurement and batching to mixing, transportation, and quality control measures. They witnessed advanced equipment and technologies in use, gaining insights into industry standards and practices.

The visit offered students a valuable learning opportunity.



VISIT OF ME CEM (SEM-I) STUDENTS TO COASTAL ROAD PROJECT (COLABA-MAHALAXMI), SOUTH MUMBAI

On January 19th, 2023, Masters (Construction Engineering and Management) students embarked on a field visit to Coastal Road Project in South Mumbai, especially from Colaba to Mahalaxmi. It was organized as a part of their Skill-Based Lab. course, offering students a hands-on learning experience in real-world construction projects. The Coastal Road Project, a significant infrastructure initiative, provided students with insights into various aspects of project management, construction techniques, and

environmental considerations. Students had an opportunity to interact with professionals involved in the project, gaining practical knowledge and industry exposure. Such practical learning opportunity not only complemented theoretical education but also equipped students with essential skills and perspectives for their future careers in construction engineering and management.



VISIT OF ME CEM (SEM-II) STUDENTS TO UNDERGROUND METRO LINE-3 AT SIDDHI VINAYAK METRO STATION

On May 27th, 2023, Master's students of Construction Engineering and Management had a field visit to Underground Metro Line-3 at Siddhi Vinayak Metro Station in Dadar as a part of their Lab. Practice-I. This visit offered students exposure to underground construction methods, tunneling techniques, and safety protocols employed in metro infrastructure projects. By observing the construction site and interacting with engineers, students gained practical insights into the complexities of metro lines and

urban infrastructure development. Exploring Metro Line-3 project not only enhanced their understanding of construction engineering principles but also deepened their appreciation for the significance of sustainable and efficient transportation systems in densely populated urban areas like Mumbai. Such immersive experiences are invaluable in preparing students for the challenges and opportunities they will encounter in their future careers in construction engineering and management.



Surveying Project at Kharghar Hill

A civil engineering surveying project was conducted from 1st to 3rd March 2023 at Kharghar Hill near Bharti Vidyapeeth, Kharghar, as part of the University of Mumbai's curriculum for Surveying (CEC-402), Sem 4. Seventy-four students participated in the three-day project, guided by six faculty members and three support staff. The project included three key tasks: a 500 m road survey using an Auto level, where students worked on alignment, profile leveling,

cross-sectioning, and curve plotting; a block contouring project for a 100 × 80 m area, with contours generated using MS Excel; and a tacheometric contouring project in hilly terrain, using software like Autodesk Land Desktop to produce contours with a minimum 1-meter interval. This hands-on experience is essential for students, providing them with practical knowledge and skills critical for their future careers as civil engineers.



TRAFFIC SURVEY FOR TE CIVIL (SEM V) STUDENTS AT PANVEL JNPT LINK ROAD

In line with the curriculum of University of Mumbai, under the course Transportation Engineering -1, traffic survey was conducted on October 11th 2022, at Panvel-JNPT link Road. 9 Faculty and 4 support staff accompanied 150 students separately for both the divisions.

It comprised of carrying out two surveys at suitable site locations. It is an essential requirement to train the students through practical instructions so that they are well versed with the actual field exposure in their career

as a transportation site engineer.

By this traffic volume count, efficiency of the road was evaluated. Students were able to know the present traffic volume and forecast future data. The number of vehicles passing a section was noted for 2 hours, and the data was collected. The guidance and supervision of Prof. Tehsin Kazi ensured the smooth execution of the survey,



FORMATION OF INDIAN GREEN BUILDING COUNCIL (IGBC) STUDENT CHAPTER

On October 13th, 2022, a significant milestone of establishing Indian Green Building Council (IGBC) student chapter was achieved. Under the coordination of Dr. Prabha Joshi and Prof. Dada Patil, the department secured an annual membership, with membership number IGBCIST220718. This initiative was aimed to integrate sustainability principles in to academic curriculum and student activities, fostering awareness and engagement in green building practices. The formation of the IGBC student chapter provided students with

opportunities for hands-on projects, workshops, and seminars focused on sustainable design and construction. Additionally, it facilitated networking with industry professionals and participation in green building competitions, empowering students to become catalysts for positive change in the built environment. Dr. Prabha Joshi and Prof. Dada Patil ensured the successful establishment and operation of the IGBC student chapter, enriching the educational experience and advancing sustainability initiatives within the department.



MoU with Indian Green Building Council (IGBC)

On October 13th, 2022, the Indian Green Building Council (IGBC) and AIKTC signed a Memorandum of Understanding (MoU) to establish the IGBC Student Chapter. This partnership aimed to enhance student awareness and involvement in sustainable building practices and green initiatives. The IGBC Student Chapter offered students opportunities to engage in activities, workshops, and projects focused on green building principles and environmental stewardship. This collaboration provided valuable insights, skills, and networking opportunities, advancing sustainability education and advocacy within the academic community. The MoU marked a significant step in promoting sustainable development and green building practices among students.



ANJUMAN-I-ISLAM'S

KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

Approved by : All India Council for Technical Education, Council of Architecture, Pharmacy Council of India New Delhi,
Recognized by : Directorate of Technical Education, Govt. of Maharashtra, Affiliated to : University of Mumbai.

☐ SCHOOL OF ENGINEERING & TECHNOLOGY

☐ SCHOOL OF PHARMACY

☐ SCHOOL OF ARCHITECTURE



Confederation of Indian Industry



Memorandum of Understanding (MoU)

between

CII - Indian Green Building Council (IGBC)

&

Anjuman-I-Islam's

Kalsekar Technical Campus

for

'IGBC Student Chapter'

(Panvel), (Raigarh)

(13-10-2022)

Innovative Teaching - Exuberant Learning

Vision : To be the most sought after Technical campus that others would wish to emulate.

Faculty Spotlight: An Expert Talk by Prof. Dada Patil in a Webinar

Prof. Dada Patil delivered an expert talk in a webinar titled "Self-Curing Concrete (Internally Cured Concrete): A Better Solution for Sustainable Development," organized by the Indian Concrete Institute (ICI) in collaboration with UltraTech Cement Ltd and ICI, Ghaziabad Centre. The webinar took place on August 13th, 2022, marking 105th talk in the webinar series. Prof. Dada Patil discussed the innovative concept of self-curing concrete, also known as

internally cured concrete, and its significance in the context of sustainable development. Self-curing concrete incorporates materials or technologies to facilitate internal curing, ensuring proper hydration and moisture retention within the concrete matrix. This advanced process enhances the durability, strength, and overall performance of the concrete while reducing the risk of cracking and shrinkage, thus contributing significantly to sustainable construction practices.



The poster is yellow with black and white text. It features the ICI logo in the top left and the UltraTech logo in the top right. The main title is "105th Webinar Series" with a horizontal line above and below it. Below that is the topic "Self-Curing (Internally Cured) Concrete: A Better Solution for the Sustainable Development". A portrait of Er. Dada S. Patil is shown on the left. To the right of the portrait is his name and title: "Er. Dada S. Patil, Assistant Professor, Civil Engineering, AIKTC, SOET, Panvel, Navi Mumbai". At the bottom, the date and time are listed: "Date: 13th Aug 2022 | Time: 11:00 am".

105th Webinar Series

TOPIC OF PRESENTATION

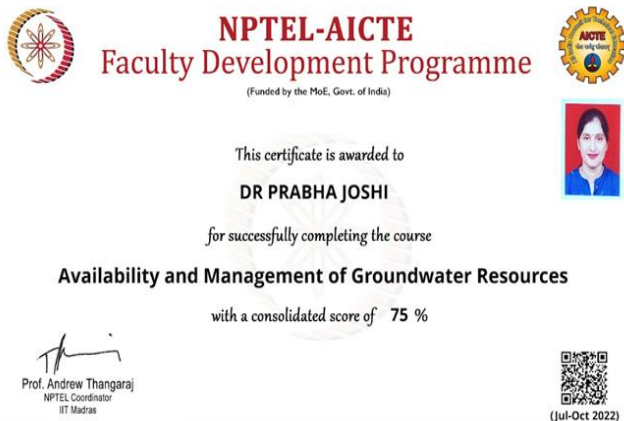
**Self-Curing (Internally Cured) Concrete:
A Better Solution for the Sustainable Development**

Er. Dada S. Patil
Assistant Professor, Civil Engineering, AIKTC,
SOET, Panvel, Navi Mumbai

Date: 13th Aug 2022 | Time: 11:00 am

Faculty Spotlight: Dr. Prabha Joshi's Dedication to Professional Development and Educational Excellence

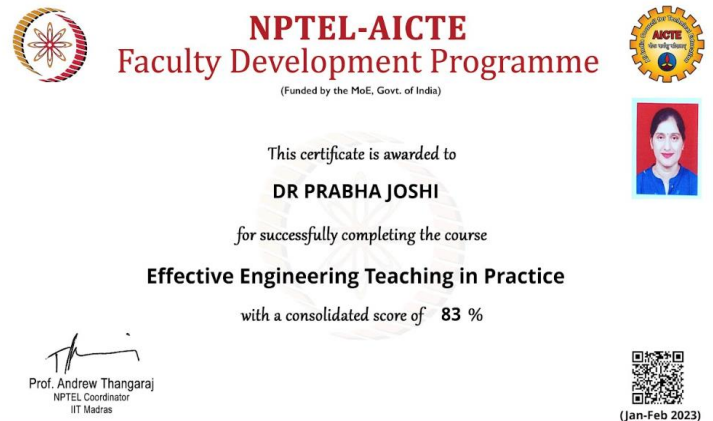
Dr. Prabha Joshi showcased her dedication to professional development through her NPTEL accomplishments. In early 2023, she completed a 4-week course on "Effective Engineering Teaching in Practice" with a score of 83%. Between July and October 2022, she finished a 12-week course on "Availability and Management of Groundwater Resources," achieving a score of 75%. Her commitment to continuous learning strengthens her effectiveness as an educator.



Roll No: NPTEL22CE92S43581643

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Roll No: NPTEL23GE03S45190900

Duration of NPTEL course : 4 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Dr. Prabha Joshi facilitated a workshop on the "National Intellectual Property Awareness Mission" (NiPAM) on February 15th, 2023, organized by NiPAM, the workshop was aimed to educate participants about intellectual property rights (IPR) and their importance in fostering innovation. Dr. Joshi discussed aspects of IPR, including patents, trademarks, copyrights, and trade secrets, highlighting their role in protecting creative works.

PhD Degrees Awarded to the Faculty & Students

Faculty members and students have been awarded PhD degrees, showing their dedication to education and research. This achievement highlights their commitment to gaining knowledge and making important contributions to their fields for the year 2022-23.

Sr. No.	Faculty/Student	Title of the Thesis	Research Center
1	 Dr. Dada Patil (Faculty)	An Experimental Investigation on Characteristic Properties of Self-Curing Concrete	VTU-RRC, Belagavi
2	 Dr. Fauwaz Parkar (Faculty)	Affordable Housing Using Geographic Information System, Building Information Modeling And Genetic Algorithm	AIKTC, Panvel
3	 Dr. Rohan Dasgupta (Faculty)	Experimental and Numerical Analysis of Precast Concrete Sandwich Wall Panels Using FRP Rebars	AIKTC, Panvel
4	 Dr. Mrunalini Deshmukh (External candidate)	Stability Analysis of Gravity Dam	AIKTC, Panvel
5	 Dr. Desai Pravin Vinayak	Soil Erosion modelling in River Basin using Empirical Model, GIS and Remote Sensing Technique	AIKTC, Panvel

STUDENT ACHIEVEMENTS

Mr. Rohit Borate and Mr. Irfan Shaikh of Third Year won first prize in “All India Students’ Concrete Cube Test Competition 2022” organized by India Chapter of American Concrete Institute (ACI) at Terna College of Engineering, Nerul, Navi Mumbai on 20th September 2022. They were guided by Prof. Mohammed Junaid Siddiqui, Prof. Dada Patil & Prof. Shafi Mujawar.

Mr. Pawan Andhare of Final Year stood runner-up in inter-zonal peep sight air rifle competition held at Prabodhan Thakare Krida Sankul, Vile Parle (East), Mumbai On 3rd October 2022.

Mr. Riza Kadiri of Second Year bagged “Best Bowler of the Tournament” title in S50PL cricket tournament on 11th June 2023.



Mr. Pawan Andhare



Mr. Rohit Borate & Mr. Irfan Shaikh



Mr. Riza Kadiri

ART BY AZFIN GADKARI (2021-22 ALUMNUS)



STUDENT CORNER

POETRY BY SHAMSHAD SHAIKH (2020-21 ALUMNUS)

Na Hi Kashmir Na Himalay Ki Wadiya Dekho, Dekhna
Chahte Ho Jannat To Jaake Maa Dekho.....
Hu Main Sajde Me Bas Ye Dua Maangta Hoon, De Rahat Jo
Rooh Ko Shifa Maangta Hoon.....
Mujhe Apni Rehmat Mein Simtane Wali
Main Phirse Wahi Meri Maa Maangta Hoon.....
Bhare Hain Jiske Seene Me Hazaro Dard Magar, Wo Ek Baap
Hai Jo Phir Bhi Muskurata Hai.....
Log Samajhte Hai Dar Gaya Hoon Main, Ab Unhein Kaise
Bataun Sudhar Gaya Hoon Main.....
Qalam Se Kaam Leta Hoo, Adab Se Kaam Leta Hoo, Main
Shayer Hoo Main Apne Hi Sabab Se Kaam Leta Hoo.....
Kehne ko to aasaan hai dil ka lagana bhi, Bahot mushkil hai
kisi se ishq karna bhi, nibhana bhi.....
Andheri raat me bas uske khwaab ki khatir, Machal machal
ke sona bhi, jaagna bhi.....
Hazaron dard ko seene me qaid rakhe huye, Tadapna khud
me hi, bahar se muskurana bhi.....
Uski ummeed me shab roz tark kar dena ,Uski chahat me
khoob aansu bahana bhi.....
Wo Lamhe Salamat Rahe Aye Kash Umr Bhar, Jin Me Teri
Tasweer Nigaho Me Basi Ho.....
Chehra Hai Chand Jaisa, Baalon Se Wo Bala Hai, Nazron Se
Qatl Karna, Uski Yahi Kala Hai.....
Baaton Me Surkhiya Hai, Alfaaz Me Mazaa Hai, Kitna Haseen
Lehja, Usko Ata Hua Hai.....
Hain Khush Gawar Aankhein, Lab Hai Kali Ki Maanind,
Baaghon Me Phool Jaise Koi Ghulab Ka Hai.....
Na ghumgeen ho tu na khud ko saza de, Are jane wale zara
muskura de....

Flipped Classroom: Concept vs. Practice

The flipped classroom concept holds the potential to revolutionize education. Workshops and seminars on this topic often focus on its dos and don'ts. However, when a new concept is introduced, there are often differing opinions, which is normal, but they should not be completely opposing. Many faculty members attending these sessions still misunderstand the flipped classroom concept, believing it merely involves a mix of online and offline lectures with quizzes. This misunderstanding leads to a disconnect between online and offline classes. Daphne Koller, co-founder of the flipped learning model, envisioned turning students' passive time into active time, summarizing it as "lectures at home and homework in class." In traditional classrooms, students are often passive learners. To transform them into active participants, it's essential to connect online lectures with in-class activities. Students should watch online lectures before class to align with the teacher and engage in discussions, assignments, and activities beyond the content. A ten-minute video can equate to an hour of classroom teaching, providing significant time savings. The concept also applies to meetings, where most participants are passive. If 80% of the content is recorded beforehand, attendees can watch it in advance, allowing for more efficient and constructive discussions..

- Prof. Firoz Nadaf

शायरी

भ्रम होते ही हैं टूट जाने के लिए...
लेकिन यकीन ये ना टूटे तो ही
अच्छा है....
लोग करते हैं गिला दूसरों की बेवफ़ाई
का....
पर ज़रा अपने गिरेबान में भी झाँका
जाए तो अच्छा है....
कोशिशें तो बहत की थी हमने उसको
राज़ी करने की....
पर इन याद न करने वालों को, भुला
दिया जाए तो ही अच्छा है....
बेशक खुदा ही की ज़ात है उम्मीद के
लायक....
लोगों से यूँ उम्मीद न की जाए तो ही
अच्छा है....

- Prof. Shaikh Irfan

"Civil engineering is the art of creating, sustaining, and enhancing the built environment that surrounds us, ensuring that future generations can enjoy the beauty and utility of our world."



"We shape our buildings, and afterwards, our buildings shape us."
– **Winston Churchill**

"Engineering is the art of directing the great sources of power in nature for the use and convenience of man."
– **Thomas Tredgold**