

# THE CIVILIANS

**We shape our buildings, thereafter they shape us.**

Winston Churchill

Department of Civil Engineering in K. K. Wagh Institute of Engineering Education and Research always thrives for the betterment of students in all aspects of life.

Various events like, Expert talks on various topics, Co-curricular as well as extra curricular events are organized for the students.

Also the department organizes the teachers and parents meetings, as it helps the parents to understand the working of department and also it bridges the communication gap between parents and the faculty members.

## ● Vision

Imparting quality technical education in civil engineering for infrastructural development and meeting the needs of society.



## ● Mission

- 1.To develop Civil Engineers having knowledge, attitude and skills for effective implementation of good construction practices.
- 2.To mould the Civil Engineering graduates to become global leaders who will lead the eco-friendly construction for sustainable development.
- 3.To inculcate the work culture and ethics among the Civil Engineering graduates for planning, designing and execution of construction project with quality and economy.
- 4.To provide testing and consultancy services in Civil Engineering for quality control and infrastructure development of the region.



# VISITS ORGANISED

## Concrete Technology

- **Following points were discussed with the students during the visit.**
- **Concrete Mixing and Batching:** A demonstration of the batching process, including the precise proportioning of cement, aggregates, water, and admixtures.
- **Testing Procedures:** Students observed tests for concrete workability, including the slump test and cube strength tests.
- **Curing Practices:** A detailed explanation of curing techniques to ensure optimal strength and durability of concrete structures.
- **Quality Control:** Insights into measures taken to maintain consistency and quality in concrete production.



## RMC Plant Visit



## Visit to DIRK India- A Learning Experience in Sustainable Concrete

During the visit, students gained valuable insights into:

- **Fly Ash Processing:** A comprehensive overview of the collection, processing, and classification of fly ash into Pozzocrete, highlighting its role in enhancing concrete properties.
- **Sustainability Practices:** The importance of recycling industrial by-products like fly ash to promote eco-friendly and sustainable construction practices.
- **Quality Assurance:** An understanding of quality control measures to ensure the consistent performance of Pozzocrete in various applications.
- **Applications in Concrete:** Practical demonstrations of how Pozzocrete is integrated into concrete mixes to improve durability, reduce environmental impact, and enhance overall performance.

# EXPERT LECTURES



## Expert's perspective

## Expert Lecture by Milind Tare

Mr. Milind Tare is amongst one of the proud alumina of Civil Engineering Department. Currently working as an Structural Consultant. He Delivered an expert lecture to the Final year students. Head of the Department, Dr. Prof. Pradip D. Jadhao was also present for the same along with many faculties of the department. He delivered a lecture on Structural health monitoring. He presented very insightful case studies of the same.

It surely helped our students to understand the concepts and new trends of the Structural Health monitoring.

*Structural Consultant, Tare & Associates*



## Dams and Safety

"Dams are not just structures; they are monuments of human ingenuity, harnessing the power of nature to fuel progress and sustain life."



## ● Dams and Hydraulics Structures

An expert talk is arranged for the Final year students under the guidance of Dr. Prof. Sunil Y. Kute.

The lecture covered critical topics such as the fundamentals of dam design, the role of hydraulic structures in water resource management, and the latest advancements in the field. It also emphasized the importance of sustainability and innovation in modern hydraulic engineering practices.

The session was highly interactive, with students engaging in thought-provoking discussions and gaining practical knowledge from real-world case studies presented by the expert.

# DEPARTMENTAL EVENT



**"Empower next:  
Be the Change**



**Student Committee members of FORCE 2k24**

## FORCE 2024

Department of Civil Engineering organized two days National Level Technical Symposium FORCE 2024 on 5th & 6th April 2024, which comprised of 04 Technical events, and 08 Non-technical events, which included Cad- A- Thon, Survey Sprint, Iginium, Equilibrium, Quiz, Snap Hunt, Rodies, Trade war, Quest, Scavenger hunt, Rapid Chess and Tug of war. These events are exclusively based on Civil Engineering related knowledge & activities. Every year FORCE creates awareness on Social Issues.



## Inauguration

Preserving heritage structures also helps to maintain the connection between the past, present, and future, providing a glimpse into the lives and cultures of previous generations. It allows us to learn about our history and identity, and provides a sense of continuity and pride in our cultural heritage. Through this event, people can learn about the various techniques and approaches used in the restoration of heritage structures, such as the use of traditional materials and techniques, as well as modern technologies.