

Workshop on "Construction Methods and Techniques"

Civil Engineering Department 2022-2023

WORKSHOP ON "CONSTRUCTION METHODS AND TECHNIQUES"

Department of Civil Engineering, MVJCE, organized a 3 days' Workshop on "Construction methods and Techniques" on 30th, 31st August, 2023 and 01st September 2023. The main objective of the event was to enhance the knowledge and skills of professionals, engineers, and enthusiasts in the construction industry. The participants were encouraged to explore various construction methods and techniques. Participants had the opportunity to witness practical demonstrations of various construction techniques. The event was conducted in Seminar Hall 4. A total of 59 students and all the faculty members from the Civil Engineering department participated in the event.

Event Coordinators: (1) Prof. Nisha M, Assistant Professor, Department of Civil Engineering
(2) Prof. Syed Azam, Assistant Professor, Department of Civil Engineering
(3) Prof Vidhya A Carmel, Assistant Professor, Department of Civil Engineering
(4) Prof Shambhavi Tadkal, Assistant Professor, Department of Civil Engineering

DAY 1: August 30th, 2023 (10.30 am - 12.30 pm)

Lecture on "Quality system in civil works of BMRCL" by Dr Masood Sharief, Chief General Manager, Bangalore.

. Dr. Sharief, with his extensive experience and expertise in civil engineering, shared valuable insights into the quality assurance practices employed in the civil works undertaken by BMRCL. He emphasized the critical role of quality assurance in civil works, particularly in large-scale infrastructure projects like those managed by BMRCL. He highlighted the significance of adhering to international standards and best practices to ensure the structural integrity, safety, and longevity of metro rail systems. Dr. Sharief explained the difference between quality control and quality assurance, emphasizing the need for a robust quality management framework that covers both aspects. He discussed how BMRCL identifies potential risks in civil works and implements preventive measures to mitigate them, ensuring project timelines and budgets are met. Following the enlightening lecture, an interactive session was held, allowing attendees to engage with Dr. Masood Sharief directly.

DAY 2: August 31st, 2023 (10.30 am - 12.30 pm)

Lecture on “Construction of Under Ground Structures in BMRCL” by Mr. Subramanya Gudge, Chief Engineer, BMRCL, Bangalore

Mr. Subramanya Gudge with his vast experience and expertise in civil engineering and underground construction, shared invaluable insights into the complexities and challenges faced in building underground structures for the metro rail system in Bangalore. He provided a brief overview of the importance of underground construction, particularly in densely populated urban areas like Bangalore. Mr. Gudge discussed the geological and geotechnical challenges specific to the Bangalore region, emphasizing the need for thorough site investigations and ground improvement techniques. He delved into the various tunneling methods used in BMRCL projects, including the construction of cut-and-cover tunnels and bored tunnels, explaining their applicability in different situations. He highlighted BMRCL's commitment to environmental sustainability by incorporating eco-friendly practices in underground construction, including groundwater management and noise pollution control.

DAY 3: September 1st, 2023 (10.30 am - 12.30 pm)

Lecture on “Construction of Elevated structures in BMRCL” by Mr Raghavendra Shanbhag, Dy Chief Engineer, BMRCL, Bangalore.

Mr. Shanbhag, with his extensive experience in civil engineering and expertise in elevated structure construction, shared valuable insights into the complexities and innovations involved in building elevated structures for the Bangalore Metro. He highlighted the pivotal role of elevated metro structures in addressing urban transportation challenges and discussed how BMRCL has been a pioneer in implementing such projects in Bangalore. Mr. Shanbhag explained the design and planning processes undertaken by BMRCL to ensure the structural integrity and safety of elevated metro structures, considering factors like load-bearing capacity, earthquake resistance, and passenger safety. Mr. Shanbhag showcased how BMRCL integrates advanced technologies and innovative construction techniques to enhance the efficiency and quality of elevated structure construction, ensuring minimal disruption to the surrounding areas.



Engineering A Better Tomorrow

An Autonomous Institute

*Cordially Invites You
to the*

Three Days Workshop
on
**"Construction methods
and techniques"**

Resource Speakers

Dr. Masood Sharief

Chief General Manager (Quality), BMRCL

Mr. Subramanya Gudge **Mr. Raghavendra Shanbhag**

Chief Engineer, BMRCL

Deputy Chief Engineer, BMRCL

Presided by

Dr. Suresh Babu V

Principal, MVJCE

Dr. M. Brindha

Vice Principal, MVJCE

Venue	Date	Time
Seminar Hall 4	30-08-2023 to 01-09-2023	10:00 AM to 12:30 PM

MVJ College of Engineering

Near ITPB, Whitefield, Bangalore - 560 067

T: +91-80-4299-1000 W: www.mvjce.edu.in

Event Invitation



Dr. Vetrivel N, HOD, Department of Civil Engineering, welcoming Dr Masood Sharief resource speaker for the first day of workshop



Prof Asra Fathima introducing the Chief guest Mr Raghavendra Shanbag , Resorce speaker for the third day of workshop



Prof Muralidhara R inviting the chief guest Mr Raghavendra Shanbag by presenting a sampling.



Prof Sagar C P introducing the chief guest Mr Raghavendra Shanbag to the audience



Students listening the sessions.



Students listening the sessions.

OUTCOME OF THE EVENT

This event exemplified the importance of knowledge dissemination and collaboration in the field of civil engineering