

Report on Hands-On Workshop for 1st Year B.Arch Students

Event Title:

Induction Program Hands-On Workshop with Brick Material

Organized by:

Smt. Kashibai Navale College of Architecture (SKNCOA)

Date and Location:

The workshop was conducted on *October 5, 2023*, at the SKNCOA campus, located at 101, Sinhgad Institute Rd, Ambegaon BK, Pune, Maharashtra.

Time:

The workshop commenced at 11:06 AM onwards

Objective:

The primary aim of the workshop was to introduce first-year Bachelor of Architecture (B.Arch) students to the fundamentals of construction materials and techniques. This hands-on workshop was part of the induction program designed to give students a practical understanding of brickwork, which is one of the essential building materials in architecture. It aimed to bridge the gap between theoretical knowledge and practical application, helping students develop a foundational understanding of material properties and construction techniques.

Supervision and Guidance:

The session was led by *Architect Onkar Khebudkar*, an Associate Professor at SKNCOA, who has extensive experience in architecture and construction techniques. His guidance provided students with valuable insights into the hands-on aspects of working with bricks and understanding their structural importance.

Workshop Details:

1. Introduction to Brick Material:

- Architect Onkar Khebudkar introduced students to the basic properties of bricks, including types, sizes, strengths, and applications in various architectural contexts.
- He explained the importance of brick as a fundamental construction material, emphasizing its durability, thermal properties, and cost-effectiveness.

2. Demonstration of Bricklaying Techniques:

- The students were shown different bricklaying techniques and bonding patterns such as stretcher bond, header bond, and English bond.
- The professor also covered mortar mixing, application, and the correct techniques for layering bricks with mortar.

3. Hands-On Practice:

- Under the professor's supervision, students practiced arranging bricks to form basic wall sections.
- Each student had the opportunity to work with the materials directly, applying the techniques demonstrated by the professor.
- The activity enabled students to understand the significance of alignment, stability, and level precision in masonry work.

4. Focus on Practical Challenges:

- Architect Khebudkar guided students through common issues faced in bricklaying, such as alignment errors and achieving proper bond strength.
- Students were encouraged to work in teams, fostering collaboration and problem-solving skills.

5. Q&A Session:

- After the hands-on activities, students participated in a Q&A session where they discussed their observations and challenges faced during the workshop.
- Architect Khebudkar provided feedback on their work and answered questions about the practical applications of brick masonry in architectural design.

Learning Outcomes:

- **Material Understanding:** Students gained firsthand experience with bricks, helping them understand its properties and construction applications.
- **Skill Development:** The workshop developed basic skills in bricklaying, including handling, mortar application, and alignment techniques.
- **Teamwork and Collaboration:** Working in groups helped students learn teamwork, communication, and problem-solving, essential skills in architectural practice.
- **Foundation in Practical Application:** The hands-on approach reinforced classroom learning, giving students a strong foundation in applying theoretical knowledge to real-world scenarios.

Conclusion: The hands-on workshop with brick materials was a valuable learning experience for the first-year B.Arch students of SKNCOA. Guided by Architect Onkar Khebudkar, students were able to bridge the gap between theory and practice, gaining insight into basic construction techniques. This induction program activity has laid a strong foundation for their journey in architecture, fostering a deeper understanding of materials and the practicalities of construction.



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