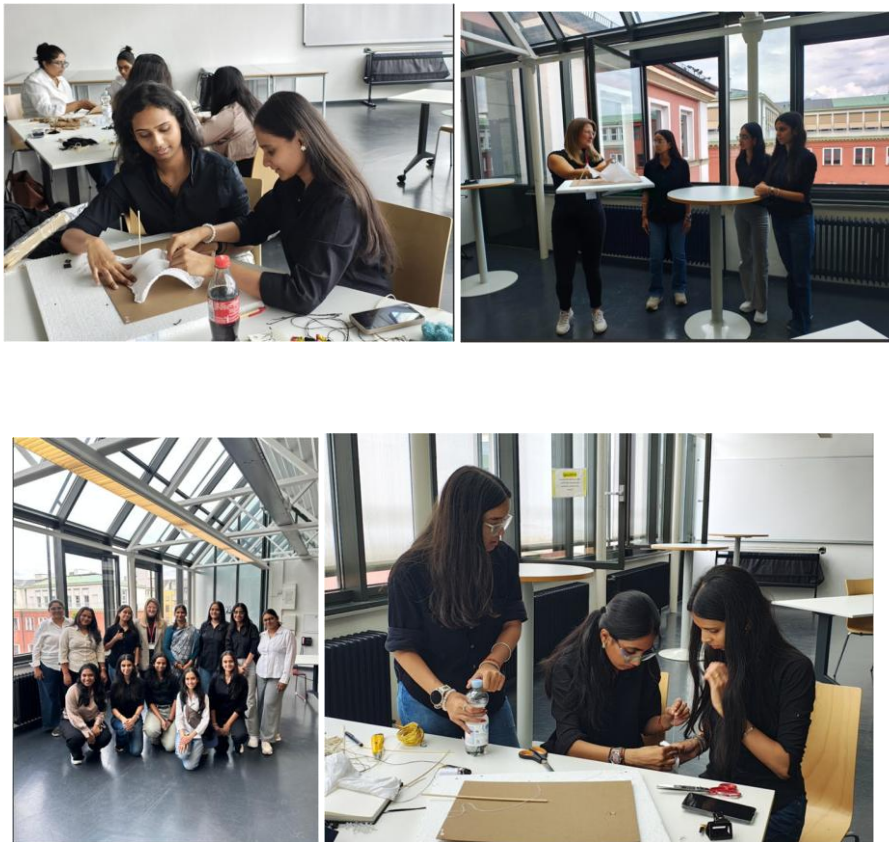


Subject: Archineering Cell study tour

Sr. No.	Reporting items	Details
1	Name of the Activity	Germany Switzerland and Austria tour
2	Name of the College	Dr. Bhanuben Nanavati College of Architecture, Maharshi Karve Stree Shikshan Samstha (MKSSS)
3	District and State	Pune, Maharashtra
4	No. of students participated in the Activity	11
5	No. of Faculty Members Participated	3
	Name of accompanying Faculty members	Prof. (Dr.) Poorva Kulkarni Prof. (Dr.) Avanti Bambawale Prof. Shruti Ramteerthkar
6	Name of the Head of the Institution	Dr. Anurag Kashyap
7	Email of the Head of the institution	anurag.kashyap@bnca.ac.in
8	Date	22 nd July 2025 to 30 th July 2025
9	Highlights of the program/ Activity	Attending a workshop on membrane structures at Stuttgart University provided architecture students with valuable theoretical knowledge and practical skills in an advanced area of structural design
10	Feedback/ Event Outcome	<p>This study tour was an enriching experience that combined natural wonders, historical exploration, and cultural immersion. The diversity of destinations from the powerful Rhine Falls to the vibrant urban life of Milan offered us comprehensive insights into European geography, history, and economy. The interactions with local guides and on-site learning activities significantly enhanced our understanding beyond the classroom.</p> <p>Students developed a clearer understanding of the behavior of tensile and flexible materials under tension, differentiating them</p>

from conventional rigid structures. The workshop on membrane structures proved to be a valuable learning experience, equipping architecture students with new design perspectives, technical skills, and an appreciation for innovative construction systems. The students were accompanied by Prof.(Dr.) Poorva Kulkarni.

1. Study Tour Photos





2. About the Tour

Archineering Cell organized an international study tour for undergraduate students, focusing on architectural innovations and sustainable design. The core highlight of the tour was a one-day workshop on Membrane Structures at Hochschule für Technik (HFT) Stuttgart, Germany, followed by architectural sightseeing in Switzerland and Austria.

3. Aim and Objectives

The primary aim of this international study tour was to expose students to cutting-edge construction technologies and iconic architectural landmarks, blending academic learning with real-world observation.

Objectives:

- To gain hands-on exposure to membrane structures through a technical workshop.
- To interact with international faculty and students for cross-cultural academic exchange.
- To study sustainable and modern architectural practices in Europe.
- To observe and analyze classical, modern, and contemporary architecture across different regions.
- To inspire students through the architectural diversity of Germany, Switzerland, and Austria.

Workshop at HFT Stuttgart

The one-day workshop at HFT Stuttgart was led by faculty and industry professionals specializing in membrane structures. Students participated in lectures, demonstrations, and hands-on model-making sessions focused on:

- Principles of tensile and membrane structures
- Materials used (PTFE, ETFE, PVC-coated polyester, etc.)
- Structural behavior and environmental performance

- Applications in modern stadiums, pavilions, and temporary structures
- Case studies of notable membrane architecture (e.g., Munich Olympic Stadium)

Activities Included:

- Lectures by HFT Stuttgart faculty
- Group-based model-making session
- Interactive Q&A and discussions
- Visit to on-campus prototypes and membrane testing labs

4. Sightseeing:

1. Rhine Falls

Our tour began with a visit to the magnificent Rhine Falls, Europe's largest waterfall located near Schaffhausen, Switzerland. The thunderous power of the falls provided a spectacular introduction to the natural beauty of the region. We learned about the geological formation of the falls and their importance as a natural tourist attraction and ecosystem. The guided boat ride close to the falls was a thrilling experience, offering an immersive perspective of the cascading water and surrounding landscape.

2. Pfänder Mountain

Next, we traveled to Pfänder Mountain, near Bregenz, Austria, offering panoramic views of Lake Constance and the Alps. We took the Pfänderbahn cable car to the summit, which provided insight into mountain tourism infrastructure. At the top, we observed the flora and fauna unique to the alpine environment and discussed sustainable tourism practices. The clear views enabled us to appreciate the cross-border natural geography connecting Switzerland, Austria, and Germany.

3. Bern

Our visit to Bern, the capital city of Switzerland, focused on its rich medieval history and political significance. Walking through the UNESCO World Heritage-listed Old Town, we saw iconic landmarks such as the Zytglogge clock tower and the Federal Palace. The guided city tour highlighted Bern's blend of historical architecture and modern governance.

4. Basel

Basel's strategic position on the Rhine river and its role as a cultural crossroads in Europe were key discussion points. We also studied its significance in the pharmaceutical industry and the city's efforts toward sustainable urban development.

5. Lucerne

Lucerne's picturesque setting on Lake Lucerne with the backdrop of Mount Pilatus and Rigi made it a highlight of the tour. We explored the Chapel Bridge and the Lion Monument, symbols of the city's

heritage. Our visit included a boat cruise on the lake, allowing us to analyze tourism's impact on local economies. The city's combination of natural beauty and historical significance reinforced our appreciation of Swiss culture.

6. Milan

The destination was Milan, Italy's fashion and financial hub. We visited the magnificent Milan Cathedral (Duomo), Galleria Vittorio Emanuele II, and the historic La Scala opera house. Milan's blend of historical sites and modern urban development provided a dynamic contrast to our Swiss stops. Discussions focused on the city's economic role in Italy and its global influence in fashion and design.

Report Prepared by:

Prof. (Dr.) Poorva Kulkarni

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Signatures

Prof. (Dr.) Poorva Kulkarni

Coordinator

Prof. Shruti Joshi

HOD

Prof. Chetan Sahasrabudhe

IQAC