

STRUCTURAL AESTHETICS

COLLABORATION WITH RVS COLLEGE OF ARCHITECTURE, CHENNAI, AND FOLDS STUDIO, MUMBAI

Keywords – Architectural aesthetics, Parametric thinking, Futuristic technologies

Faculties – In July 2022 SMEF's **Brick School of Architecture, Pune** did a collaboration with **RVS university, Padmavati School of Architecture, and Folds Studio Mumbai**. It was the first technology workshop of its kind, where 90+40 young and creative minds researched and explored technology and materials together for 6 days. It was an equal partnership between two academic faculty members pursuing mutually exciting and beneficial research through a shared teaching pedagogy.

Faculties involved in the workshop were *Ar. Manali Deshmukh, Ar. Anurakti Yadav, Ar. Raghunandan, Er. Gurudatta Ingale* from SMEF's *Brick School of Architecture, Pune*, and *Ar. Raman, Ar. Navneetha* from *RVS university, Padmavati School of Architecture*.

The workshop proved to be an exclusive experiential learning with RVS university students in the **fourth year- Advanced Building Construction & Services studio**. The exploration was to **design and detail a Skywalk with a parametric approach at tiger point**, a scenic view at Lonavala near Pune. Through this, students learned and experimented with futuristic and innovative building technologies for long-span buildings in their exploration, they shared their ideas with each other and built a good connection.

The intent of the studio was to combine efficiency, practicability, and aesthetics through the integration of structural typologies.

To incorporate the practical approach and innovative design ideas through parametric thinking we collaborated with **Fold design studio as a piece of industrial advice** where selected students will produce futuristic and innovative designed structures in their construction workshop in Mumbai.

This workshop started with inputs and interactive discussions on the structural members whose bold statements added aesthetic value to the long-span structure. The typology explored was Skywalk/Skybridge to experiment with the latest technologies and their practical approach. The entire exploration was done in group work to encourage interactions for idea exchange.

After the discussions, students decoded a few identified skywalks done by master architects to understand the design and working, they came up with detailed analysis along with physical models to visualize the scale and detailing of the same. Their work reflected deep research and a better understanding of the structure to be used as a reference to their skywalk design.



During the entire workshop, students explored various futuristic and appropriate materials and technology, did a lot of research, had discussions with each other, exchanged ideas and skills, welcomed each other's culture with an open heart, played together, and learned from each other.

