FILLING THE VOID
ARCHITECTURE & URBAN SYSTEMS

rat [LAB] EDUCATION
RESEARCH IN ARCHITECTURE & TECHNOLOGY
www.rat-lab.org

PARAMETRIC SKYSCRAPERS // Winter School 2018-19 |PUNE, DELHI, CHENNAI, BENGALURU



// Studio Brief

Studio will be looking to explore opportunities of using computation for one or more of the following: form-finding, spatial organization, problem solving method and analysis for Design & Development of **Parametric Skyscrapers**. Participants will research, identify & examine *creative articulations* of skyscraper / high-rise design aided by Computational Approach and Parametric Tools**.** A systemic level idea will be explored and experimented computationally to create 'Parametric Variations' of a single idea, to be developed in teams. The nature of the studio is **experimental & open-ended** with a specific agenda of using computation in the design.
A tentative future scope needs to be defined in all experimental projects developed in the studio keeping in line with a time-based competition submission as a goal.
The studio should delve into creating a skyscraper in any user-defined context which may or may not serve a functional purpose or abide by rules of the conventional. A focus can be on geometry, form, building skin treatment or any other visual effect over and above a contextually-driven architectural design approach. Understanding time constraints is critical in the studio exercise and objective is to strike a balance between the available tools, architectural vision and time.

// Studio Methodology

Participants will be working in **teams of 3-4** which will be sorted based on agenda they wish to explore (or through random selection). A project idea needs to be developed by each team that tackles an identified problem of the built fabric or that may suitably fit a chosen context which may be tackled using computational methods. The project is to be developed as a cumulative of computational methods and non-computational approach that will blend in each team to reach a conclusive output as a cohesive project.

//Deliverable

Each group needs to prepare an **A1 size poster** which will be submitted as a high-resolution editable file. This will be used for publication purposes after workshop culminates. **A 10 minute presentation** (ppt / pdf / etc.) also needs to be made as a documentation of project explorations, to be presented on Day 3. The presentation & poster needs to have sufficient diagrams, explorations, process, methodology and high-quality visuals / renders that can be produced in a short span of time.