

The background of the cover is a photograph of a modern architectural space. It features curved concrete walls and a dark, textured central column. The lighting is dramatic, with strong shadows and highlights, creating a sense of depth and geometric form. The floor is a light-colored, polished material.

RAHUL
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of light and air while having obvious references to the traditional jali, or screen, element characterising architecture in Rajasthan, the state in which the building is set. Morphogenesis has successfully picked up on the narrative of sustainable design and attempted to make this more plausible and transparent in the Indian context. This narrative is consistently demonstrated in the several large commissions they have been engaged in, such as the India Glycols Limited (IGL) office (2006) in New Delhi and the Uppal Business Centre (2006-07) in Gurgaon. Both these projects also demonstrate schematic but sophisticated propositions in addressing the challenges of sustainable design in the new building programmes of the country.

At any rate, what these practices symbolise is the evolution of approach with the emergence of a new generation of Indian architects—a generation that has the ability to synthesise these external flows and craft a new practice that will respond to Indian global aspiration while still being mindful of the locale in an intelligent manner. This approach could potentially establish fresh paradigms regarding how new emergent aspirators and affluent indigenous capital can manifest themselves more gently (or successfully) within the Indian landscape.

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PEARL ACADEMY OF FASHION, Jaipur

Morphogenesis

Located on the outskirts of Jaipur, this institute offers programmes in fashion at both undergraduate and postgraduate levels. Its academic environment comprises studios and workshop areas, lecture and exhibition spaces, performance and refreshment zones, and a resource centre.

The design development was based on two main premises—achieving a satisfactory microclimate within the built space and reinterpreting traditional elements to derive an energy-efficient model. Computational shadow analyses based on façade orientations informed the creation of double-skin *jalis* (stone trelliswork) as a thermal buffer between the building and its surroundings.

Self-shading courts and open stepped areas facilitate light and ventilation through the academic and teaching blocks. The raised ground around the building allows the underbelly of the structure to form a natural thermal sink, using recycled water from the

sewage treatment plant, through evaporative cooling. This thermally banked area houses the recreation and exhibition zone—the nucleus of the institute. A night-time drop in the surrounding temperature allows the floor to dissipate heat, thereby ensuring

thermal comfort throughout the institute's work hours. This is an intelligent and elegant structure that fuses the pragmatic lessons of history with technologies to create fresh architectural elements that facilitate operational efficiency.

Stepped sit-out areas

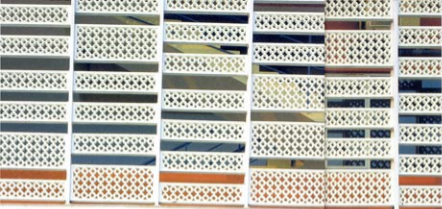
Drawing inspiration from traditional *baolis* (step-wells), the ground is modulated to create levels and platforms that allow student exchange and interaction while serving as a break-out zone.

View of courtyard

Self-shaded silver courts create a microclimate within the built form, ensuring thermal comfort for all functional areas. This is further aided by the thermal sink formed by the water body, which is surrounded by stepped walkways and connectors.







Entrance area and main stair

The air intake (recessed) facade forms the main entrance while this free-standing podium allows natural light into the requirement areas.

Simulation of lower ground level

3-D modelling tools indicate the location of functional areas and their connection through various levels and pathways, which are intergrated with natural landscaping.

Double-skin building envelope

Comprehensive use of the cooling gap creates a thermal buffer while cooling shades onto the inner building skin. This means of passive cooling allows the spaces to remain almost 20 degrees below the outside atmospheric temperature.

Night view of exterior facade

Derived through shallow analysis using open-back offices, this double-skin building envelope requires evaporative cooling through glass channels that are integrated in the facade.



In the global projects and practices described thus far, adaptation to the locale varies in direct relation to the level of impatience of the capital driving these projects. The IT parks, malls and developer-driven housing schemes are manifestations of the most impatient capital, while institutional projects respond more authentically to the locale's contingencies. Unfortunately, in this first phase of the liberalisation of India's economy most capital seems to be impatient. The tradition and culture of giving have not yet become the norm. Foundations and other not-for-profit institutions are restricted to responding to the needs of the poor, not the rich or middle class; consequently, galleries, museums and universities are only just beginning to enter the imagination of the country's political, industrial and financial elite. Hopefully, this space will eventually transform the global flows of ideas and root them to the locale.

However, a younger generation is emerging in India of recently returned Western-trained architects who are using these global flows to their advantage. This young breed uses new techniques and narratives of sustainable design and digital technologies, fabrication interfaces, etc. with great ease. Most importantly, they seem to demonstrate an ability to root their projects more squarely and honestly in the contexts in which they operate without overt references, stylistically speaking, to their Indianness or regional affiliations.

Romi Khosla Design Studio in New Delhi, Serie Architects (Chris Lee & Kapil Gupta) in Mumbai and Morpho-

genesis in Delhi have been engaged in a range of projects giving us a glimpse into how these recent global flows can actually be translated into elegant solutions: buildings that feel completed, rooted, and are generated out of the material as well as the construction capacities of the locale. Romi Khosla Design Studio's Castro Cafeteria at the Jamia Millia Islamia University (JMI) (2005-07) has skillfully taken the now standard technology of the cantilevered canopy that is extensively used by gas stations (or petrol pumps) and crafted its application into an elegant semi-open canteen facility for students. Similarly, in their gallery at JMI screens are employed in a contemporary and fresh configuration to filter light while subtly suggesting a universal language that straddles both the locale (the Islamic university in which it is located) and its aspiration to relate to a global style.

Serie Architects, on the other hand, engage more easily with cutting-edge software and new technologies that allow the exploration of an incredible amount of spatial and formal possibilities. Their obsession with pushing the limits of digital and construction technologies is refreshing. Their optimism at the arrival of robotic construction and a more enmeshed interface between design and potential fabrication possibilities makes their work relevant to the discussion of architecture in the Indian context. Their early projects in Mumbai for the Jewel Tech building (2002) and Thanks Boutique (2004) first hinted at these sensibilities. More recently, their project of recycling a mill

shed in Mumbai into a jazz club, Blue Frog (2006) demonstrates the robust use of new digital technologies in generating an intelligent and elegant architectural configuration. In another recent project in Mumbai, for the Tote restaurant (2006-09) have similarly engaged with complex forms remaining sensitive to both the natural landscape and the historic architectural context in which the building is situated. Thus, a new hybrid emerges in which an extremely creative articulation of the structure is achieved by the rain trees around the building is integrated with a tiled roof to resonate with the existing historic Turf Club structures on the site.

Meanwhile, the New Delhi-based firm Morphogenesis besides being a larger operation in terms of personnel is also the most ambitious of the younger generation in terms of the scale of projects in which they are engaged. Their Apollo Michelin Corporate Centre (2002) in Gurgaon engages with global imagery while attempting to make local specific gestures related to sustainable design. Although these are some superficial gestures, the project struggles with the reconciliation. The Pearl Academy of Fashion (2003) is more successful in this respect. Here, a large academy organised in a courtyard deftly modulated to integrate circulation as well as act as a great source for lighting the natural flow of air. A finely articulated screen at the outer perimeter of the buildings suggests