



**Resource Management Technologies**  
Use and integration of technologies and strategies to harness and optimize use of resources such as energy and water.

**Life and Use of Building**  
Ensure promotion of practices and availability of facilities to optimize resource consumption during the entire life cycle of the building.

### Gearing for a change in the Architectural Profession

The architectural profession is the cornerstone of the construction industry. This industry largely influences the built development, creating cities, infrastructure and homes. Architects, thus play a vital role in shaping the built environment. While developing built environments for people, this industry is also one of the largest consumers of energy and natural resources. From excavation of stone for building materials to manufacturing steel and managing construction activity, this industry utilizes huge stores of energy and other natural resources.

With this scenario as background, the emerging profession of architecture needs to reorient itself to meet the demands of newer and faster development and at the same time be sensitive to the needs and carrying capacity of the earth's natural environment.

### Training and Capacity Building of Architectural Profession

Architectural training has always stressed the importance of a 'design context'. Climate responsive designs and vernacular sensitivity has always been one of the governing design elements for architects. During the rigors of basic architectural education, this sensitivity is often ingrained into the design culture.

With the advent of urban lifestyles, new technologies and changing paradigms of living, architects today are faced with new challenges in designing buildings. It is not merely enough to design with an environmental sensitivity, but it has become necessary to prove and quantify the benefits and costs to the environment due to the building design.

This arena of quantifying the environmental benefits is still in its preliminary stage of research all across the world. Further, this arena is highly specific to local site / place conditions. Hence to develop this area, architects - both, aspiring and in profession, need additional information and skills to supplement their basic architectural knowledge.

### Masters in Environmental Architecture Programme at BNCA

We at BNCA felt that there is a need to initiate an environmental movement in the Architectural Profession. Our vision is not just to promote environmental sensitivity in design and construction, but also to provide the necessary training and equip architects towards ECO design.

With this vision to guide us, we conceived, initiated and launched a Masters in Environmental Architecture from August 2006.

This 2 year full time Masters Programme is geared towards introducing to the student architects the new area of Sustainable Building Design and providing them an opportunity to learn and hone their strategies and skills for design and construction of Eco Buildings.

Apart from building environmental design skills, the M.Arch curriculum is also introducing the students to aspects and techniques of Environmental Planning - a necessary element for architects to understand the dynamics of environment and urban planning.

Are you interested in knowing more about our M.Arch Environmental Architecture Programme? Do write to us at [anagha\\_paranjape@bnca.ac.in](mailto:anagha_paranjape@bnca.ac.in) and we will get back to you, even meet with you, to receive your queries, suggestions and feedback.

### First Crusaders of M.Arch Environmental Architecture

The Centre for Environmental Architecture is conceived and led by Ar Poorva Keskar who has a vast experience in architectural profession and teaching. Ar and Environmental Planner Anagha Paranjape-Purohit who has extensive experience in Environmental Planning & Management is now a part of this team. Ar and Environmental Planner Shilpa Hapse is a recent addition to this crusader team.



Poorva Keskar



Anagha Paranjape

Our M.Arch Environmental Architecture was very well received in its first year itself. Currently we have admitted around 10 students, both professionals and fresh graduates from in and outside Pune.



Shilpa Hapse

Now in the middle of their semester, the M.Arch students are exploring the dichotomy of environment and development, understanding the issues of the construction industry and putting their thought for evolving solutions for a better environment in our cities.



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Dr. Bhanuben Nanavati College of Architecture For Women

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