

Learning at Prithwe



P R O S P E C T U S

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TEAM



We are a group of nature lovers, experts in individual fields in technical subjects with a lone focus and mission to restore health to the natural environment, thus the human and its habitat through education in architecture, design and various fields related to life in its totality. The 'Prithwe' core team is those people who can be said as the philosophical fathers and care takers, those who manage the association and bring the project forward. These people are inspired by the importance of a sustainable and ecological educational system and the idea to align their own lives with it.



Mayank Barjatya



Priti Bhandari



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Hanno Burtscher



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Mic Rice



Indian GREEN



Prithwe institute, 1 Middle Road, Off. Napier Road, Pune - 411001

THE INSTITUTE

AIM:

Prithwe Institute of Building Biology (PIBB) established in Pune, is an autonomous organization dedicated to bringing together the technical, biological understanding and ecological sensitivity to create healthy homes and workplace.

Prithwe is the center for rediscovering Architecture & building Science. The Prithwe Philosophy includes Research, Education & Consultancy with an underlining holistic approach for healthy living.

PIBB's main objective is to educate, the non practiced part of building science which involve genres concerning nature, agriculture, healing of the human body and its habitat. The institute provides space for experiments, study & research on innovative natural building techniques.



Prithwe: Institute of Building Biology | Prithwe: Styleing Naturally | Prithwe: Architecture Consultants

To me art in order to be truly great must,
like the beauty of Nature,
be universal in its appeal.
It must be simple in its presentation
and direct in its expression,
like the language of Nature.
— M. K. Gandhi, 1931



EDUCATION



The institute promotes interaction and participation of students from all over the world, involving exchange programs to various international locations. Special sponsorships for students from rural backgrounds are offered to help develop and upgrade local communities.

3 Modules of Courses are planned which would start operating from December 2010 from our Pune Campus, these autonomous course would be certified by Prithwe and BBE together. We don't have any affiliation and government recognition at present..

Build your own Eco-house-
3 days weekend course

Ecological Design and Building
Biology- 16 weeks

Diploma in Eco Architectural
Designing- 2 years

COURSE DETAILS

Prithwe Institute of Building Biology has a technical collaboration and certification from Building Biology & Ecology Institute from New Zealand.

PIBB offers home study, online and practical courses to professional and non-technical health/green enthusiasts.

The academy model is conceptualization of an alternative, sustainable option in Architecture for all those individuals interested in learning about subjects like –

Environment friendly architecture.-Solar passive architecture, natural building systems, water harvesting, native Indian method of construction, low cost housing solutions, rammed earth construction, bamboo in structural architecture.



Sthapatya vedas-Vedic systems of engineering and architecture, town planning concepts, vedic vastu norms as per Sthapatya veda.

Scientific vastu -Energy vastu interpretation, lecher antenna and scientific relevance of vedic vastu in today's architecture system.

Bau-biology-German Building Biology system for healthy living, its relevance in Indian architecture and habitats in tune with New Zealand's BBE Institute.

Geopathy-Geopathy and study of under earth energies with relevance to human health.

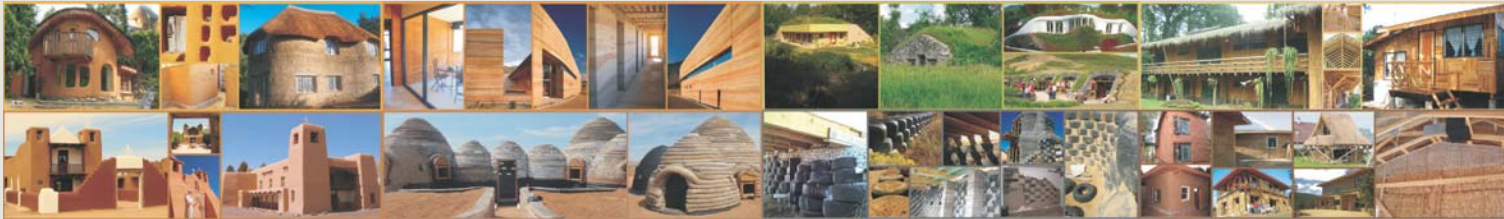
Urban, rural planning & design, Organic farming, Permaculture, Alternative building technologies, Arts, crafts and holistic healing with respect to architecture

Building Biologists & Bau-biology

Building biology (or **Baubiologie** as it was coined in Germany) is a field of building science that investigates the indoor living environment for a variety of irritants.

Building Biologists and Practitioners consider the built environment as something with which the occupants interact, and believe its functioning can produce a restful or stressful environment. The major areas focused on by building biologists are building materials/processes, indoor air quality (IAQ) and electromagnetic fields (EMFs) and radiation (EMR).

Building Biology is a holistic approach to the built environment. It is concerned with the interaction between the built environment and the health of the occupants. This can be in residential, public, or commercial buildings. There are 25 Principles of Building Biology, which govern the decision making of Building Biologists.





APPLICATIONS

Building Biologists and Sustainable Architects are technical individuals who place traditional construction methods under the lens of environmental consciousness. Commercial and residential spaces with green spaces, solar panels and natural lighting are examples of sustainable architecture. Services and consultancy provided in the above mentioned field needs a Bau-biologist.



Students out of Prithwe Institute would be : *a individual who would opt for higher education on sustainable design would work as consultants, would write for editorials in green publications. can apply for positions with design firms that focus on renovating old spaces with tools for energy savings.*

Prithwe would also employ trainees for its own in house consultancy work,

Prithwe students can also Search for a job with a local construction company early in your career to develop vendor relationships for future projects.

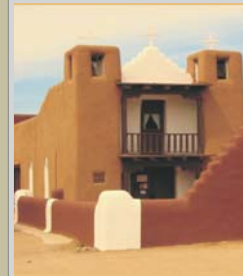
Special Prithwe students can opt for government positions focusing on sustainable development. Local and state governments have turned to architectural graduates to fill positions as inspectors on pilot projects for eco-friendly property developments.

Prithwe students with global thinking can Offer their services as a sustainable architectural consultant to companies around the world. Prithwe education has module to learn foreign language skills . Students with jet setting attitude can get a job with an international organization looking to improve sustainable building practices in the developing world.

Prithwe Students with Social and community service attitude can become Volunteers for home-building organizations. NGO's, WHO, UNESCO and other local Green and Natural Organizations.



Natural building materials



Adobe
Adobe is one of the oldest forms of building with earth.



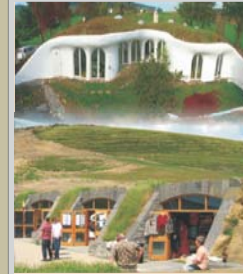
Cob
Cob is a combination of earth and straw that you usually mix with your feet, and then form into lumps that you mash together by hand to form the wall.



Earthbags
Earthbag homes, are made of polypropylene or burlap bags stuffed with dirt and stacked like bricks.



Rammed Earth
To build a rammed earth home, a mixture of soils is packed down into a temporary wall form that shapes the mixture.



Earth-Sheltered
Earth-sheltered homes, are energy efficient, soundproof and fire-resistant.



Earthships
To build an earthship, you fill old car tires with earth and stack them like bricks.



Bamboo
Decorative bamboo has long been fashionable in home design.



Straw Bales
Straw bales provide an extremely strong building block for homes.

Sustainable Techniques



Wind energy: Solar energy, radiant light and heat from the sun, has been harnessed by humans since ancient times using a range of ever-evolving technologies.



Solar Energy: Wind power is the conversion of wind energy into a useful form of energy, such as using wind turbines to make electricity, wind mills for mechanical power.



Bio gas Plant - Consumption of organic waste: This biogas technology uses high calorie feedstock consisting of starchy or sugary materials.



Vermicompost: Compost is composed of organic materials derived from plant and animal matter that has been decomposed largely through aerobic decomposition.



Solar - Light Tubes: They are also often called sun pipes, sun scopes, solar light pipes, or daylight pipes. Solar tube is placed into a roof and admits light to a focused area of the interior.



Wind turbine ventilators: Wind turbine ventilators are exactly as the name implies, they are a ventilator that is powered by the wind to create effective ventilation for different industries.



Natural Ventilation & Air Conditioning: Natural ventilation is the process of supplying and removing air through an indoor space by natural means.



Rain Water Harvesting: Rainwater harvesting is the accumulating and storing, of rainwater. It has been used to provide drinking water, water for livestock.