# Experience
# Expertise
# Capability

Venkataramanan Associates (VA), is a 40-year-old, Bangalore-based Architectural and Engineering Firm specializing, for over the last decade, in the design of campuses and buildings for Science, Technology and Education for the Government of India and the non Government sector. To date, we have completed and are working on over 25 campuses and buildings of this type in India.

Our experience in this environment encompasses astrophysics, genome research, aerospace research, automobile research, life sciences, biotechnology, crop research, product research as well as several campuses for educational institutions.

Our projects include, among others, the research centre at IITB campus for the Monash University/Indian Institute of Technology joint venture research program, the Institute for Genomics and Integrative Biology, Delhi, the St. Josephs College of Arts and Science, Bangalore, the TCS Training campus at Thiruvanthapuram, the Infosys Software and training campus at Pune, the John. F. Welch Technology Centre for General Electric, Bangalore, DuPont India's Knowledge Centre, Hyderabad, the Dhirubhai Ambani Life Sciences Centre, Mumbai, AstraZeneca's Drug Discovery facility, Bangalore and the General Motors' Automotive Research Centre, Bangalore.

We can ensure full compliance with both Indian and overseas statutory codes as required. We have built facilities that require to be compliant to recommendations of LEED, NFPA/NBC, the PCB, the CDC, NIH and USFDA, the UKMCA and the UL and FM Global listing, the Americans with Disabilities Act and to cGMP, GLP and GCP standards.

From an early stage in the design process, we look at the life cycle issues of these buildings. We use value engineering and optimal design to ensure that the running costs of these expensive-to-maintain buildings do not go beyond an acceptable level. We have an extensive database of costs and can rapidly come in with recommendations and options for the building, interior and laboratory material and furniture. We have a good understanding of EOU benefits and can advise extensively on this. We follow a defined drawing and project program which enables us reduce the time to market considerably.

**Architects**
Studio team of 110 people including Architects; Architectural Assistants, Design Managers and Graphics persons

**Engineers**
Engineering team of 35 people including Quantity Surveyors (project estimation, BOQs and Tender documentation) and site design coordination engineers

**Support**
Support team of 25 people

**Satellite Offices**
Pune, Bhubaneswar, Mumbai, Coimbatore

We are a totally IT enabled environment with the ability to handle projects in multiple locations (currently 17 centres across the country) and coordinate with clients in multiple geographical locations and over multiple time zones. We use web-based filex servers to share drawings and information rapidly and securely with appropriate team members and webex for detailed discussion of drawings in real time, apart from pre-scheduled weekly videoconfs / teleconfs and e.mail for updates on all issues and developments pertaining to the project.

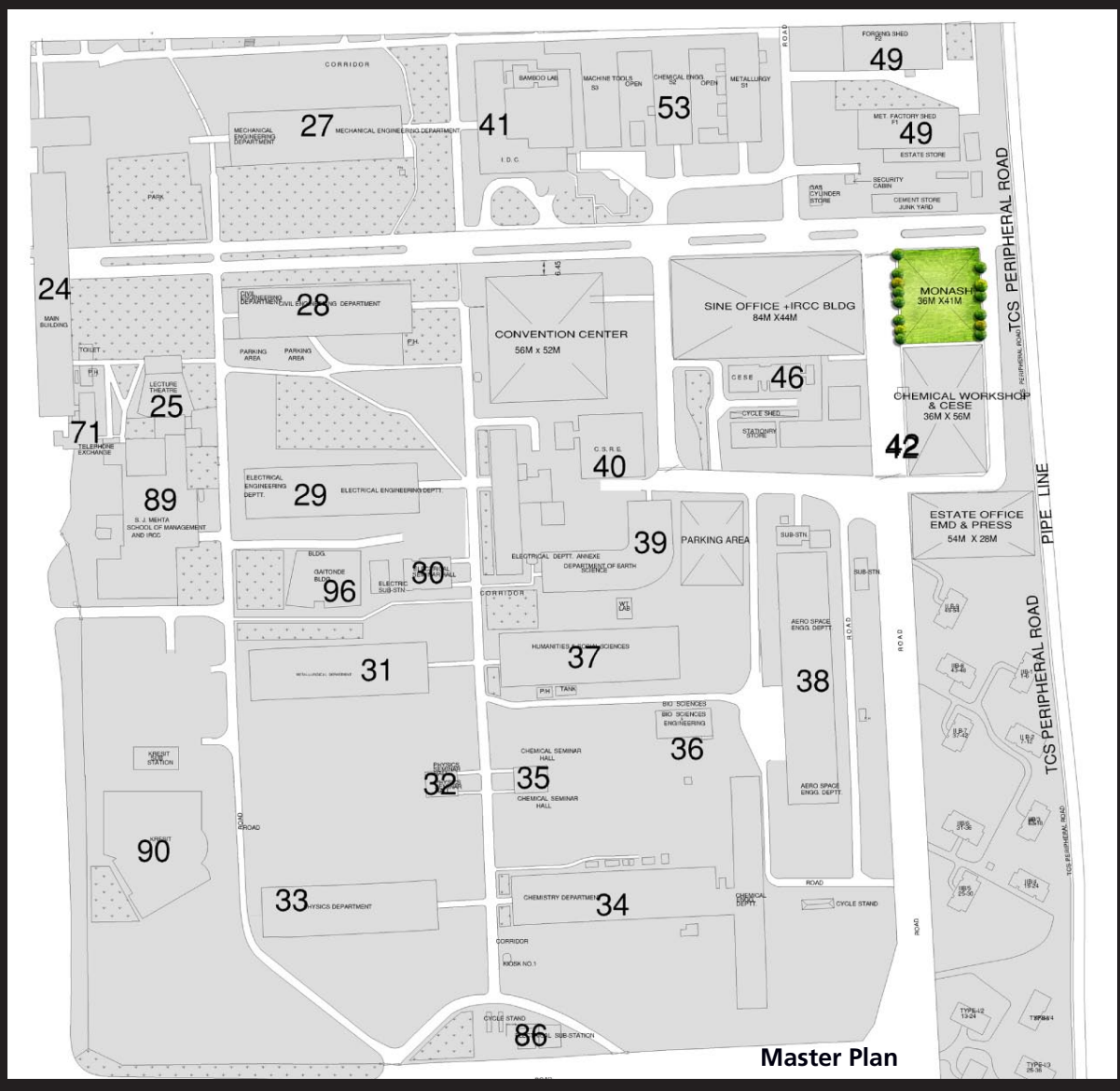
We believe in a partnering approach with our Clients. In the 450 + projects that we have designed to date, we have found it imperative that the viewpoint of all stakeholders is brought to bear in the development of a project. We are convinced that a sharing of knowledge and resources will enable our Clients to harness, to the fullest extent, our creativity and technical proficiency.

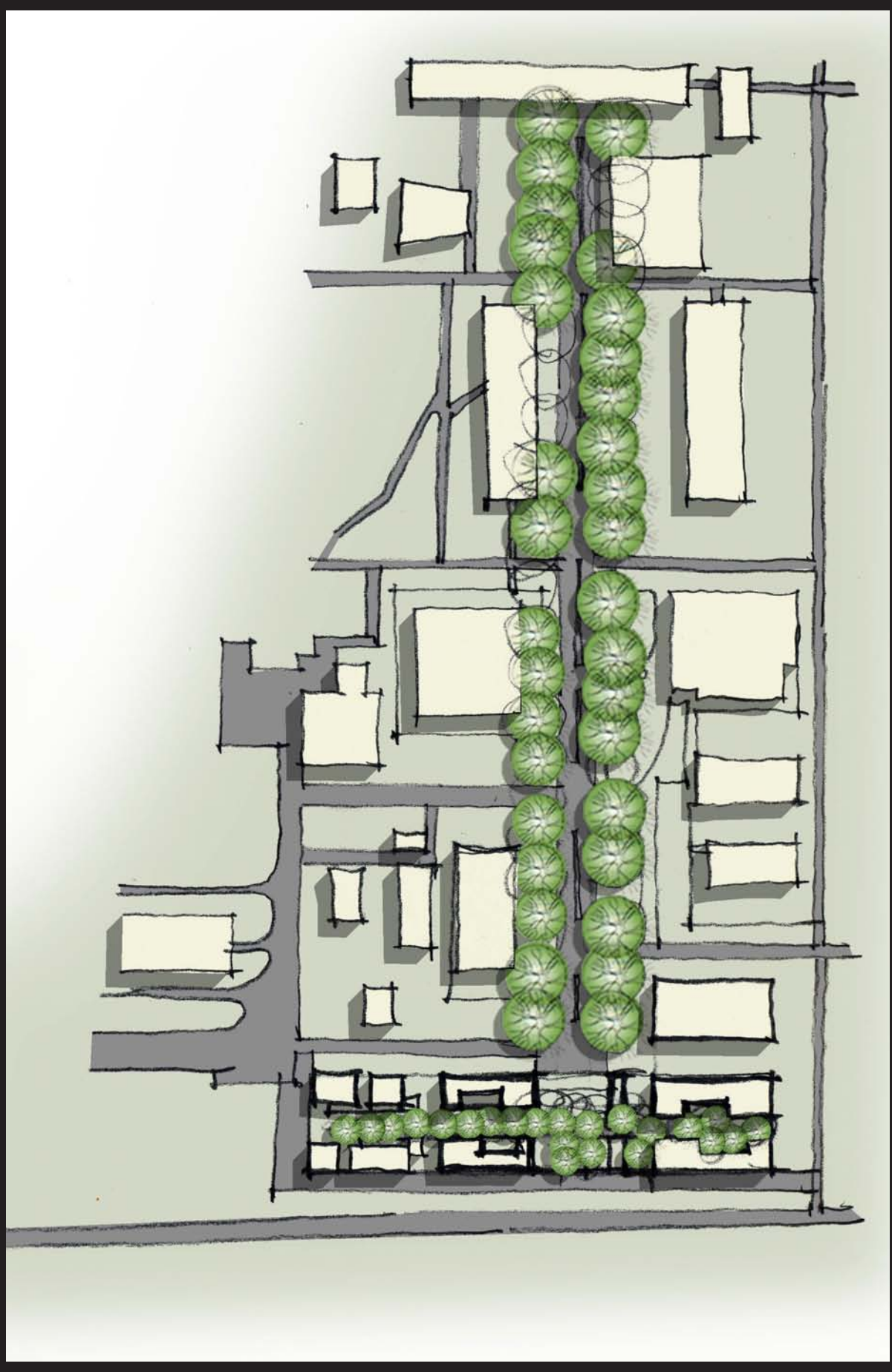
Venkataramanan Associates Studio.

# IITB
# Monash Academy
# IITB Campus
# Mumbai, INDIA

This project is a research centre that is being set up as a joint venture between Monash University at Clayton, Melbourne in Australia and the Indian Institute of Technology, Bombay. This centre will focus on joint scientific research in the core areas of infrastructure technology, product research and life sciences, much of which will be done in tandem with the Indian industry.

The project is scheduled to commence with one building, for which the space within the IITB campus has been demarcated, with the option for further expansion if the JV experiment is a larger success, as they anticipate.



**Project**
IITB Monash Academy, IITB Campus, Mumbai, INDIA

**Client**
Indian Institute of Technology, Bombay

**Role**
University Campus

**Area**
Land 2.0 Acres
Built 4,830 Sqm

**Value**
US$ 4.0 Million

**Status**
Design Stage

**Location**
IITB Campus, Mumbai, INDIA

# St. Joseph's College of Arts & Science Bangalore

This program involved the relocation of the College campus, along with faculty residences, onto the earlier hostel grounds while ensuring that the existing cricket pitch, the old, colonnaded, semi-circular hostel building and all the old trees were retained.

The Science block, along with an observatory tower, is positioned on the perimeter of the cricket ground next to the old hostel building and the sprawling banyan tree. The banyan tree forms a natural plaza court for informal student meetings.

The Arts Block is characterized by a double height framed entry covering a series of steps, again keeping the student meeting plaza in mind and contains an exposed plastered spiral stairway with a watchtower at the end of it, to compliment the observatory tower of the Science Block.

The faculty residences and the chapel are zoned such that they have a view of the entire campus yet are screened off from it by an exposed brick screen wall with large cast iron gates. The chapel has access to a clock tower. This, along with the huge scaled up iron gates, are reminiscent of Romanesque churches.

**Project**
St. Joseph's College of Arts & Science, Bangalore, INDIA

**Client**
Bangalore Jesuit Educational Society

**Role**
Educational Campus

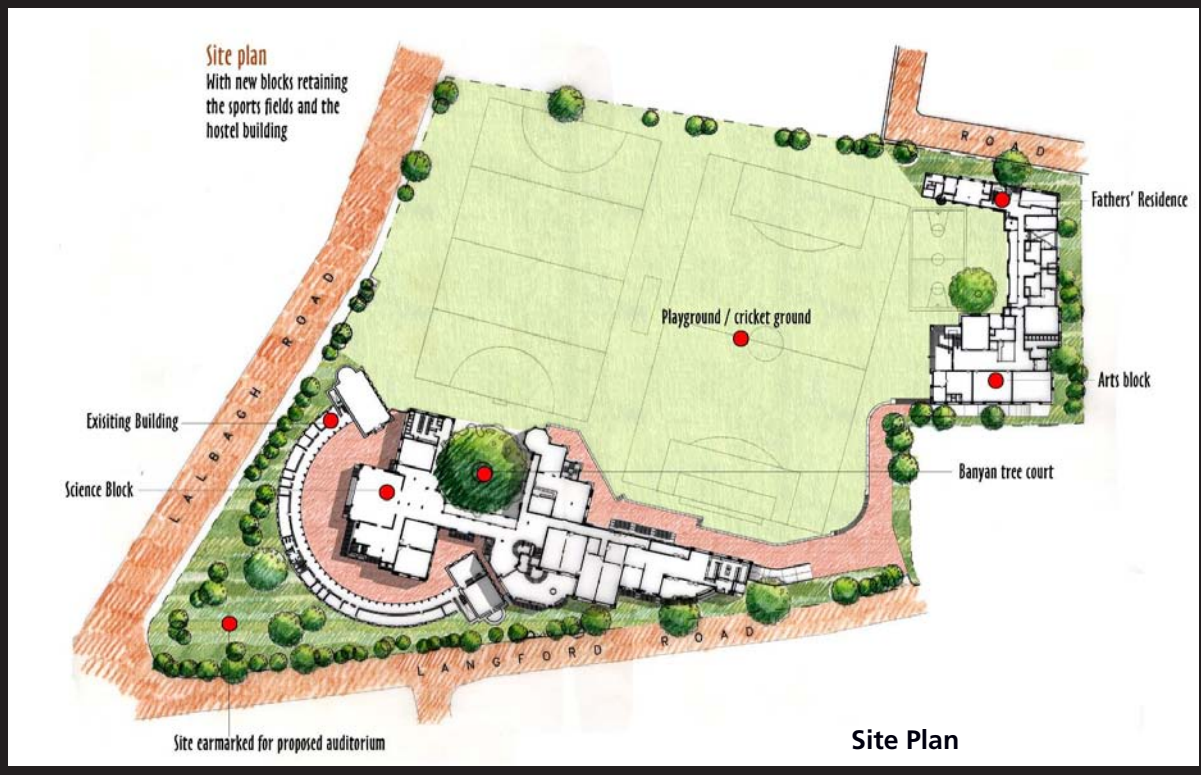
**Area**
Land 6.0 Acres
Built 22,300 Sqm

**Value**
US$ 4.50 Million

**Status**
Completed 2002

**Location**
Langford Road, Bangalore, INDIA

**Awards**
Awarded the A+D & Spectrum Foundation Award, 2003 for Design Development of an Institutional Building



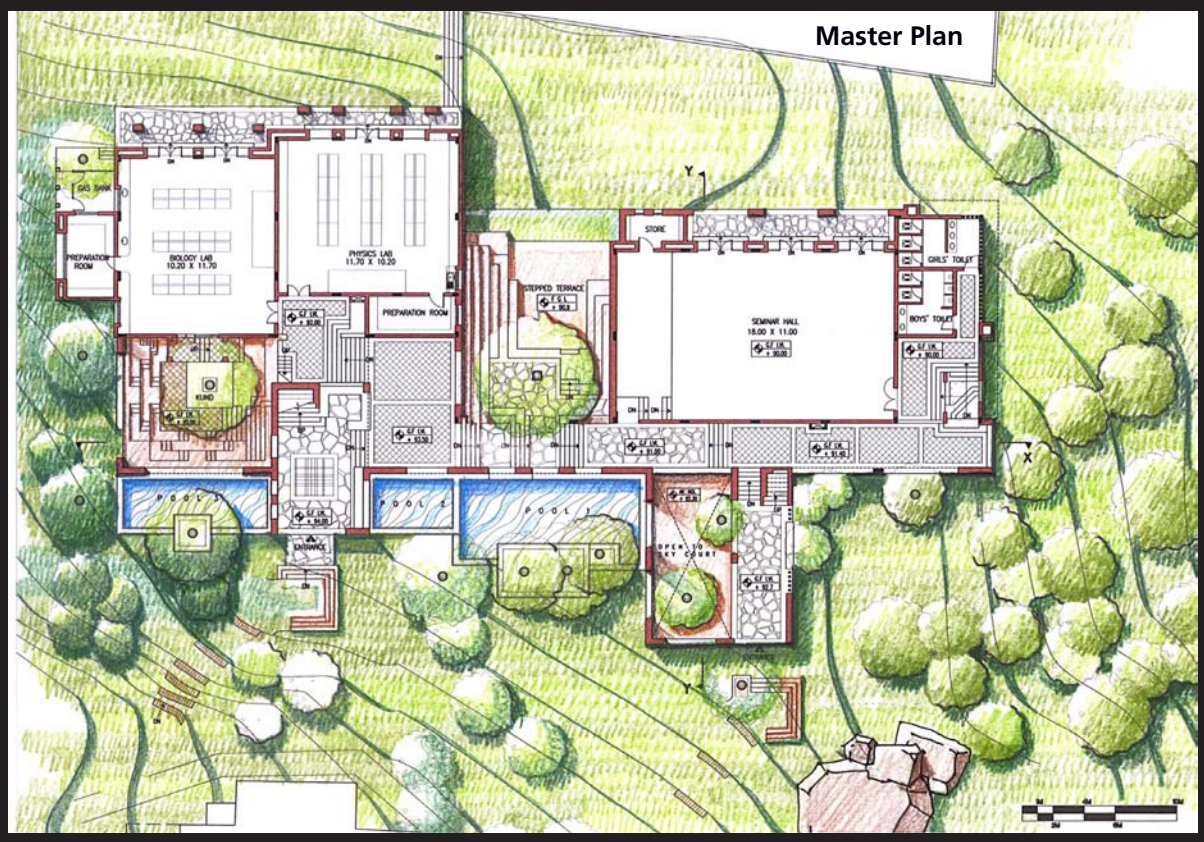
Site Plan

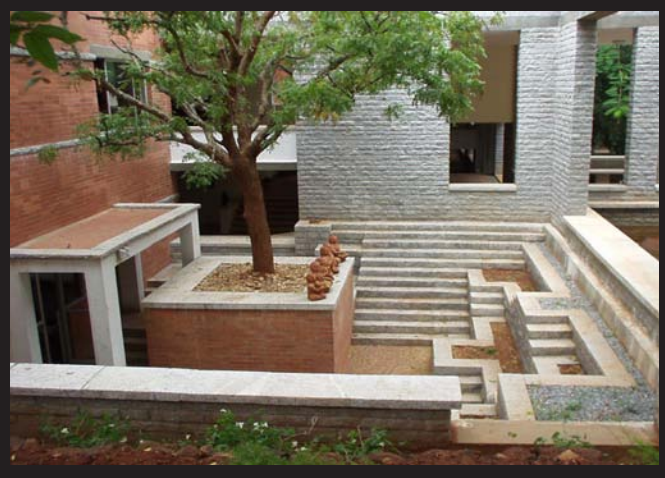
# Science Centre
# The Valley School Bangalore

This building draws its inspiration from the outdoors. Set within the 110 Acres of the Valley School Campus in Bangalore the primary need was to create an environment that would fall in with the overall objective of the Krishnamurti Foundation, of inculcating in its students an appreciative and sensitive response to nature.

To enable this, the buildings retains a deliberately rectilinear form to 'frame' and 'contrast' it with its natural surrounding environ, thereby enhancing and emphasizing it. The building skates along the natural slope, minimizing the need for retention and cutting, thereby ensuring that not a single tree was cut and the other natural elements of the site the foliage, were seamlessly integrated.

The primary materials are exposed granite masonry, terracotta walls and kota stone floors which, with their colours of the earth, firmly connects the building to its natural context. A covered walkway opens up to form open-to-sky-classrooms with the existing trees providing adequate shade. Since the main portion of the building is oriented toward the lake, the building has catchments to ensure ground water retention, magnify the effect of the surrounding landscape and to minimize run off into the lake.



**Project**
Science Centre, The Valley School, Bangalore, INDIA

**Client**
Krishnamurti Foundation India

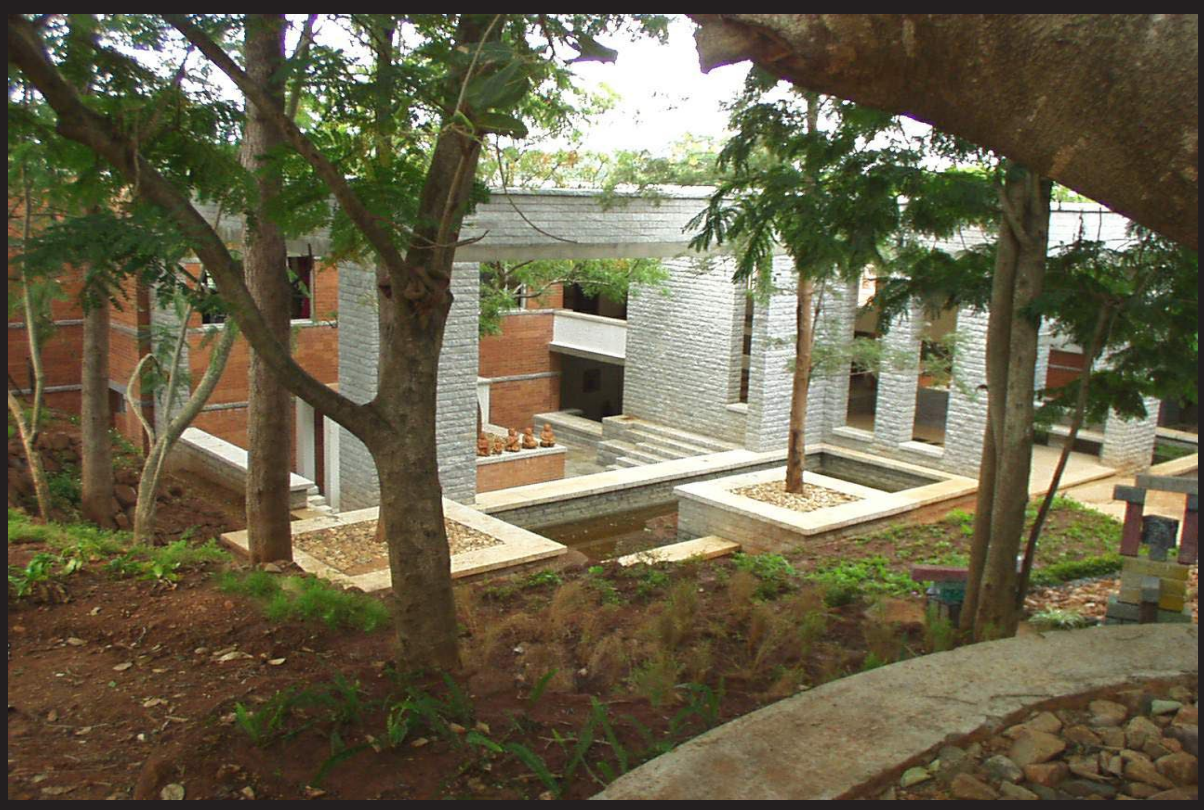
**Role**
Educational Campus

**Area**
Built 1,765 Sqm

**Value**
US$ 0.5 Million

**Status**
Completed 2002

**Location**
Kanakapura Road, Bangalore, INDIA



**Awards**
Awarded the A+D & Spectrum Foundation Award 2002 for Design Development of an Institutional Building

# Institute of Genomics & Integrative Biology (IGIB)
## New Delhi, INDIA

This is a CSIR initiative for Genome and Biological research in the country. Located at the CSIR Campus, Mathura Road, New Delhi, the building takes into account the potential future growth of IGIB.

This state-of-the-art facility, spread over an area of 10 Acres, consists principally of wet lab areas & dry lab areas, integrating research & support wet labs, clinical genome facility, a flexible auditorium, common labs, NFBGR stores, tissue culture labs, a vivarium, dining & recreation areas, as international students hostel facility and support utilities required for the facility.

The architectural design provides for distributed and varied interaction spaces including an atrium area, peripheral greens, coffee lounges and informal discussion areas. Design features also include clear zoning and segregation of laboratory, common areas and utilities, clear separation between the movement of materials and people & within different groups of people, maximum transparency, central corridors for laboratory movement segregated from the office corridors.

**Project**
Institute of Genomics & Integrative Biology (IGIB), New Delhi, INDIA

**Client**
Institute of Genomics & Integrative Biology, New Delhi, INDIA

**Role**
Educational Campus

**Area**
Land 10.0 Acres
Built 13,935 Sqm

**Value**
US$ 11.5 Million

**Status**
Under Construction

**Location**
CSIR Campus, Mathura Road, New Delhi, INDIA

Master Plan

Projects.

Venkataramanan Associates

TATA CONSULTANCY SERVICES
IT consulting / services ◘ outsourcing ◘ business process management

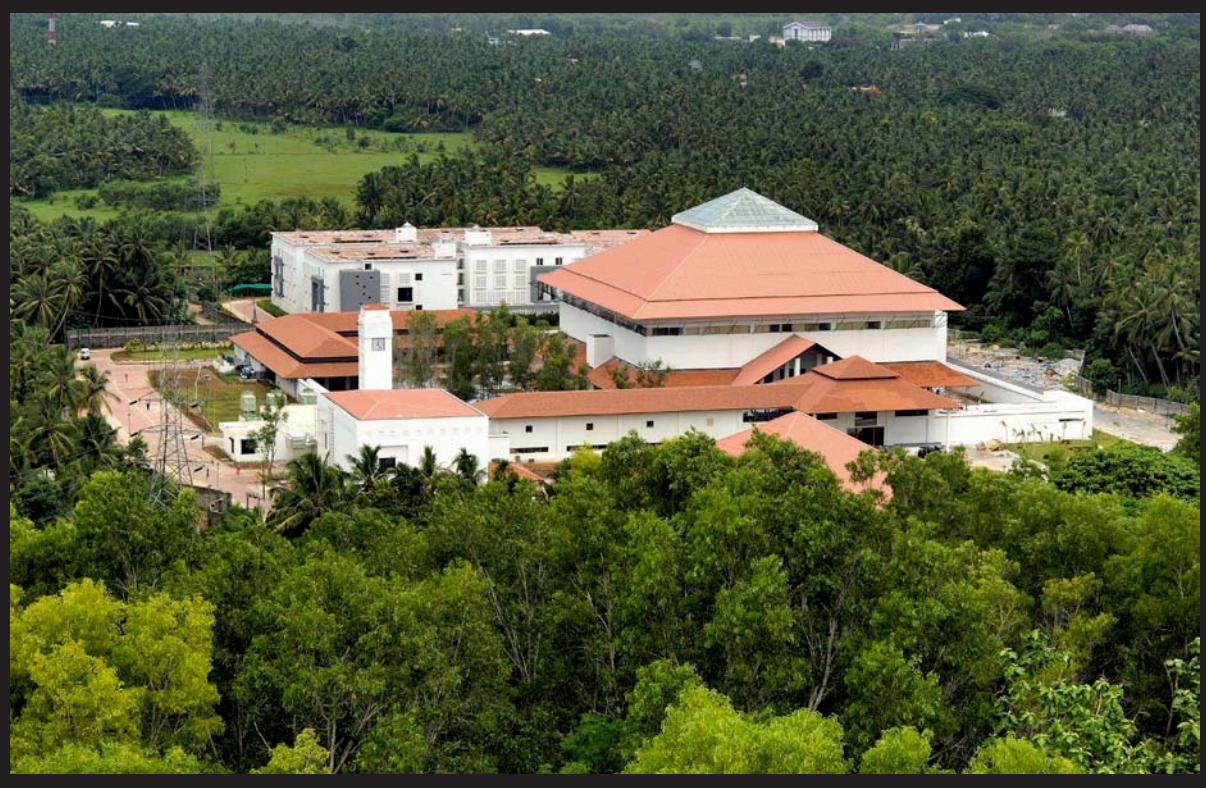
# TCS Peepul Park
## Training Centre, Thiruvananthapuram Kerala, INDIA

Aerial View

The Client brief described this facility as a "Think Tank" and "Temple for Learning". In keeping with this thought, the natural progression was to conceive a metaphor, both organic and vernacular. We drew on the design elements of the Padmanabhapuram Palace in Trivandrum, especially on its examples of natural lighting and circulation. We felt that this would be most appropriate for this Campus given its location over a lush, green Campus spread of 12 Acres in the techno park at Thiruvananthapuram and the need to keep the training areas free of airconditioning.

The Campus consists of an interesting blend of building blocks that subscribe neither to one style nor one size, with several of them in the midst of shallow reflecting pools. This cluster of buildings mirror the concept of a temple courtyard where individual units form clusters and these clusters in turn form a complex.

Not only is the architecture inspired by local aesthete but the use of locally available materials in itself has lent a strong character to this Campus. All material used has been sourced within a 400 km radius, in keeping with the principles laid down by LEED, eventually leading to a Gold rating by LEED. All the rain water is turreted into wells for reuse or into rechargable pits that lead the water back into the earth. The roofs are designed to keep the spaces below cool, with the deep overhangs which keep direct sunlight out and by the use of layered forms, which aid a venturi effect. Materials also include slate, brick and lime plaster, available in plenty in the region. The use of automated light controls the amount of light that is consumed within the building. Solar panels generate about 10% of the total power used on the Campus.




**Project**
TCS Peepul Park, Training Centre, Thiruvananthapuram, Kerala, INDIA

**Client**
TATA Consultancy Services, Mumbai, INDIA

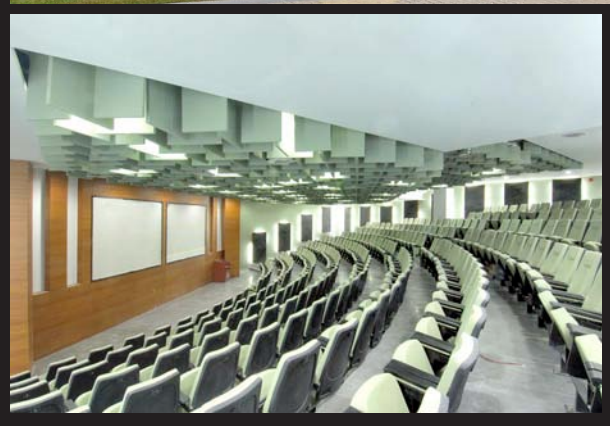
**Role**
Training Centre

**Area**
Land 12.5 Acres
Built 30,205 Sqm

**Value**
US$ 14.5 Million

**Status**
Completed 2007

**Location**
Thiruvananthapuram, Kerala, INDIA



Projects.

Venkataramanan Associates

# Infosys West
# Software Development Park, Pune, INDIA

The challenge was the site itself, with a 70 foot slope from one end to the other. To ensure that the slope remains untouched, the buildings skate along the perimeter of the Campus, thereby creating a gorge that allows for running water throughout the Campus and localizes the buildings to the flat areas, while retaining the sloped areas for greening.

Since the initial brief was the need to create a Campus that would eventually be an HR tool to attract and retain the brightest and best minds in the country, the buildings maintain a consistency of form with all the main facades, barring that of the customer focus centre, looking inward. The Campus retains a predominant collegial atmosphere with a large OAT, adequate leisure and health facilities, paved pathways that link each zone and adequate space between the structures to provide room for interaction and contemplation.

Master Plan

**Project**
Infosys West, Software Development Park, Pune, INDIA

**Client**
Infosys Technologies Ltd., Bangalore, INDIA

**Role**
Software Development Park

**Area**
Land 30.0 Acres
Built 55,110 Sqm

**Value**
US$ 27.0 Million

**Status**
Completed 2003

**Location**
Hinjewadi, Pune, INDIA