



MAHARASHTRA ACADEMY OF ENGINEERING AND EDUCATIONAL RESEARCH, PUNE'S
MAHARASHTRA INSTITUTE OF TECHNOLOGY, (MIT) PUNE, INDIA





MAEER'S MIT Pune & Politecnico di Milano

**Centre of Excellence for Innovative Design and
Construction Technologies IDCT**

Under MIT-School of Advanced Studies (MITSAT)

MAEER'S MIT Pune & Politecnico di Milano **Centre of Excellence for Innovative Design** **and Construction Technologies IDCT**



Status:

- Step into any urban area in India today, 'an immense amount of construction activity'.
- Roads linking important cities. The rapid growth of Indian economy.
- Great demand on the Indian construction industry, infrastructure or housing.
- Aggressive construction across the country, in the areas of residential construction, business establishments, roads, bridges, dams and so on.

Need:

New technologies and capital to meet the mega challenges posed by the insatiable demand for infrastructural, housing and corporate construction.

World Scenario:

- Europe's long years of experience and technology leadership in the field of construction
- Indo-European free trade agreement on the anvil.
- co-operation between Indian and European industries will see unprecedented activity.
- MAEER'S MIT Pune and Politecnico di Milano have come together to channelize the efforts between Indian and Italian construction industries to boost technological co-operation, business and scientific research and business interaction.

Centre of Excellence for Innovative Design and Construction Technologies



IDCT has been set up with the primary objective of “fostering cooperation on research, innovation and technological development in the construction industry”.

Vision

To facilitate co-operation in areas of research, innovation and technology between Indian and Italian construction industries.

Mission

To be a platform through which construction companies in India and Italy can interact and co-operate in the areas of research and technology.

Promote research and technology co-operation through awareness and educative programmes and literature.

Provide infrastructure for joint research activities and discussions.

MAEER'S MIT, India



MAEER'S MIT Group of Institutions was established as a society and charitable trust in 1983, by the visionary educationist Dr. Vishwanath D. Karad. It was started with the sole objective of meeting the long felt need for a centre of scientific and educational research which could meet the challenges of the present and future.

MAEER'S MIT is today an umbrella organization of 55 premier institutions spread across 10 campuses and catering to more than 65,000 students. The Group provides education in the fields of Engineering, Medicine, Pharmacy, Marine Engineering, Insurance, Management, Lighting, Design, Food & Technology, Humanities and Governance. The Group has made commendable efforts to spread school education even in rural areas. MAEER is also active in spreading peace and humanity through its World Peace Centre in Alandi in Maharashtra. MAEER's Maharashtra Institute of Technology (MIT) was the 1st private engineering college in the Indian State of Maharashtra, and continues to be the flagship institute of the MAEER'S MIT Group.



Need of Indian Construction Industry

- The report is titled Real Estate and Construction Professionals in India by 2020. By 2020, Indian population is estimated to increase to 1.38 billion with 500 million (36 per cent) of urban population, which is estimated to generate unprecedented demand for quality real estate and infrastructure.
- Nearly 123 million of additional urban population by 2020 is likely to require professional assistance for construction of houses, the report says.
- This will lead to a whopping 95 billion sq ft of potential demand of real estate space across residential, retail, commercial, industrial and civil amenities over 2010-20. This would mean an average demand of 8.7 billion sq ft that potentially needs to be built every year, it says.
- Releasing the report here today, RICS South Asia Managing Director Sachin Sandhir said that the report is meant to be a wake-up call for industry and government alike. With a projected area requirement of almost 95 billion sq feet between 2010-20 across the real estate sector, manpower requirements becomes one of the most critical elements that will drive this growth,



Scope of Work

- Conduct periodic conferences & workshops regarding development of innovative technologies for the construction sector, directed towards specific industry requirements.
- Take up construction industry-specific technical research and consultancies.
- Design and conduct brief courses and workshops for training engineering graduates, post-graduates, researchers & industry professionals.
- Take up collaborative/class room projects with the businesses to resolve industry problems and create knowledge banks.
- Develop indigenous technology and facilitate technology transfer to the industry.
- Create intellectual property through research work, studies and investigations. Further, publish the acquired knowledge and prepare annual reports on Indian and Italian markets.
- Assist and facilitate the Italian construction enterprises interested in Indian markets, by means of analyzing the Indian legal framework and preparing reports based on it.



Membership @ IDCT

Construction industry can get associated with IDCT and leverage the benefits of different activities undertaken by IDCT.

Registered under Companies Act 1956, memberships of IDCT are made available as annual and life memberships. These memberships are available in five categories:-

- Founder members
- Individual members
- Educational Institution membership
- Professional bodies/industries membership



Membership Privileges

Being a member of IDCT brings along exclusive privileges. IDCT members can avail off the following privileges:

- Free access to Centre's library in accordance with the Executive Committee rules.
- Subscription to journals published by the Centre.
- Preferential access to consultancy and R&D done at MIT, Pune and concessional rates for testing of construction materials.
- Acquiring trained technical man power like Civil Engineers and Architects for your organisation.
- Registration for workshops, conferences and training programs run by the Centre, at concessional rates.



- To get preferential access and priority in enrollment for PG and research programs conducted at MIT, Pune or Politecnico, Italy.
- Access to publishing your work in the Journal published by the Centre.
- Educational institutes can participate in the joint projects taken up by the Centre.
- Educational institutes and Industry members can share the laboratory space and equipment for their R&D work.
- To attend, participate, make suggestions, move resolutions, speak and vote at the General Meetings of the Working Committee.
- To be a part of the Execution Committee of the Centre, by contesting its elections.
- To work as office bearer of the Centre, on election.
- To suggest constitutional amendments and changes.



Collaborating Institutes presently

1. Pune Construction and Educational Research Foundation
2. MKSSS`S Bhanuben Nanavati College of Architecture
3. MIT Institute of Design
4. NICMAR
5. Green Build Technologies Pune

We are collaborating with the following Companies





Thank You

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