

## PUBLICATIONS, WORKSHOPS AND LECTURES

The activities in the field of architecture, solar passive architecture and green building design have resulted in a number of papers, lectures, publications and workshops. The following is a partial list of the same:

- Workshop – Orientation course on Solar Passive Architecture, January 31-February 2, 1997 at IIT-Bombay, Mumbai
- Lectures:
  - Redevelopment of Main Bank Building of Himachal Pradesh State Co-operative Bank, Mall Road, Shimla : A Case Study
  - Introduction of Solar Passive Aspects in Building Bye-laws
  - Lecture – Energy Efficiency Improvement through Passive Architecture, February 1997, at Mumbai, organised by MITCON, Pune.
  - Lecture – Solar Passive Architecture: A Case Study, March 1999, at TKIET, Warananagar (Kolhapur).
  - Paper – Building Bye-laws vis-à-vis Solar Passive Architecture : A Review, presented at the 21<sup>st</sup> National Solar Energy Convention, December 1997, Madras
  - Paper – Energy Conservation in Buildings: By Design or By Law, Proc. Of Indian Institute of Architects Conference, December 1997, Trivandrum
  - Paper – Building Bye-laws vis-à-vis Solar Passive Architecture: A Review, presented at the 21<sup>st</sup> National Solar Energy Convention – Madras, December 1997.
  - Paper – A Review of Building Bye-laws of a Few Selected Cities of Western India vis-à-vis Solar Passive Aspects, Solar Energy Society of India (SESI) Journal, Vol. 9, No. 1, June 1999, New Delhi
  - Paper – Empirical Validation of The Predictions of DOE-2.1E, Proc. National Renewable Energy Convention, 1999, Indore
  - Publication – Manual on Solar Passive Architecture, Energy Systems Engineering, IIT-Bombay and Solar Energy Centre, New Delhi, December 1999, Mumbai (As Co-author)
  - Publication – “Unit 6 (Section 6.2 : Man, Environment and Building & 6.3 : Desirable Climatic Conditions in Buildings), ET – 521, Building Construction: Planning, Detailing and Quantity Surveying”, Course

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ARCHITECTURE , ENVIRONMENT , RESEARCH & DEVELOPMENT

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Curriculum for The Indira Gandhi National Open University, School of Engineering and Technology, April 1998, New Delhi

- Thesis Report – Renewable Energy Centre, at Vapi, Final Year Design and Dissertation Thesis, Sir J. J. College of Architecture, 1994, Mumbai
- Member of Jury – Design in The World Without Electricity, Annual National Design Competition conducted by Pillai's College of Architecture, December 1999, New Bombay
- Paper – Strategies for Designing Energy Conscious Buildings Under Warm and Humid Conditions of India, presented at Quality Improvement Programme (Q.I.P.) of AICTE– BVCOA, Pune, December 2001
- Publication – Handbook on Energy Conscious Buildings, Energy Systems Engineering, IIT-Bombay and Solar Energy Centre(Govt. of India), May 2006, Mumbai (As Co-author)
- Publication – Opportunities for Resource Conservation of Malls, KRVI (Ongoing), Mumbai (As Project Investigator)
- Paper – Context Sensitive Design of a proposed school using Passive Solar Architecture and Sustainable Technologies in a Backward region of Madhya Pradesh, Proc. National Conference of Renewable Energy, Vyas Institute of Engineering and Technology, Jodhpur 2009.
- Article published in "The Solar Quarterly" Vol. 4(1) October 2011 entitled - Education Park : a zero energy campus
- Research paper on Design guidelines for a commercial building in hot and dry conditions of India co-written with Prof. J. K. Nayak of IIT-Bombay as part of conference proceedings for Solaris 2012
- Article published in Newsletter of "Design for All" Vol. 7 No.3, March 2012, entitled Bio-climatic Architecture – An approach to context sensitive design
- Lecture – Daylighting at Workshop on Daylighting Buildings -Theory, Simulation and Application, organised by EDS and Glazette, Mumbai October, 2012
- Workshop organised 1 day workshop – In Search of a New Vernacular – Sustainable Design: Theory, Practice and Tools at Academy of Architecture, January 2013
  - Lecture – Sustainable Architecture: An opportunity to design better
  - Lecture – Free and Open Source Tools for Analysis
- Lecture – An Introduction to Sustainable Building Design at IIT-Bombay, for mentoring students of IIT-Bombay and Academy of

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Architecture (Team Shunya) participating in International Solar Decathlon Competition, February 2013

- Course Co-ordinator for Half Day Workshop – Green Building Awareness, National Mission on Education through ICT, (MHRD, Govt. of India), 24 th August, 2013, Conducted by IIT Bombay in association with Team Shunya (IIT Bombay + Academy of Architecture)
  - Lecture - Context Sensitive Approach to Sustainable Building Design
  - Salient feature of this workshop was that 10,000 + participants had registered for simultaneous online interactive sessions all over India
- Lecture – Solar Passive Architecture at Symposium on Green Built Environment for Design Makers Through GRIHA Platform, organised by MNRE, IIT-Indore, TERI, GRIHA, DC and D. Vyas and Associates, at Daly College, Indore, October 2013
- Co-ordinator for Lecture by Architect Sen Kapadia - Approach to Architecture Design at Academy of Architecture, Mumbai, July 2014
- Master Speaker for the IGBC Sustainability Endowment for Lecture on Solar Passive Architecture - An approach to sustainable design at Sir J. J. College of Architecture, Mumbai, July 2014
- Co-ordinator for Field Trip of Students of Academy of Architecture – Electives on Sustainable Design to Madhya Pradesh, India to visit and document Residential, Commercial, Institutional and Vernacular Architecture that incorporate sustainable technologies, August 2014