



Professor of Architecture  
School of Architecture and Planning  
University of New Mexico

## KUPPASWAMY IYENGAR

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**EDUCATION** Master of Architecture, UCLA  
Bachelor of Civil Engineering, India  
Professional Engineer, California;  
Structural Engineer, India (MIE, Institution of Engineers)  
Member of American Society of Civil Engineers

**BIO** Professor Iyengar is an experienced highly skilled teacher and a technical consultant for the past 55 years. He combines his degrees in civil and structural engineering and architecture with a wealth of practical experience in both fields. He also brings to his students the benefits of an ongoing subspecialty in sustainable architectural design, emphasizing optimized techniques for architectural structures and design and resource responsibility. Mr. Iyengar has served for 15 years as Associate Professor & 3 years as associate Director at UNM and 18 years as an adjunct Associate Professor at UCLA. In addition to developing academic courses of study, he has designed and presented over 50 seminars in professional settings, bringing his expertise to scores of students in academic, governmental, and commercial settings. Mr. Iyengar's expertise as a teacher derives from his substantial experience as an engineer and designer. He has held responsible positions in every phase of project planning, design, construction, construction oversight, and inspection. His international professional experience includes India, Barbados, USA, England, Canada, Australia, Philippines and Thailand.

**COURSES** 33 years in Architectural Structures, Sustainable Architectural Design, Building Systems and Design Studies.

**PRACTICE | SERVICE**

- 18 years in Structures, design & energy issues and major building design at UCLA and three semesters at Design & Art Center, Pasadena
- 13 years in civil, structural and architectural practice in India and Barbados
- 42 years in energy, environmental and sustainable design issues and architectural design
- Several publications in structures, energy efficiency and sustainability
- Prepared successful reports for NAAB and University Accreditation

**Program Design for Major Utilities & Universities, Practice and Research**

- Program design for energy efficiency: 14 major Utilities in the US and abroad.
- Conducted over 50 energy training seminars worldwide
- Assisted in creating 'Efficient Electricity Use' handbook and other technical papers.
- Improved energy efficiency in 53 hospitals and 65 schools and over 30 industries.
- Developed energy efficiency master plan for 2 major Universities
- Organized 3 International and 2 National energy conferences in the US.
- Expertise in energy services performance contracting (ESCO)
- Facilitated over 11 Partnering sessions to major clients (Chevron, US Army, US Navy)
- Designed and construction managed 8 scientific research facilities, 11 commercial banks, 19 factories, 7 theaters, and over 40 residences.

### **Sustainable Architectural Design**

- Developed a semester long undergraduate and graduate level course on all aspects of architectural design.
- Incorporates sustainable design issues in architectural structures courses and design studios

### **Partial Selected List of Clients**

- DOE Laboratories including NREL
- National Science Foundation
- Major Utilities such as PG&E, Con Edison, Wisconsin Electric, BC Hydro, Bonneville Power, SCE, LA DWP, SECV-Australia, EGAT – Thailand.
- EPA, Electric Power Research Institute, Gas Research Institute and other Commercial & Industrial customers.
- The County of Los Angeles, New Mexico Energy department, City of Albuquerque

### **PUBLICATIONS Publications (selected)**

- “Sustainable Architectural Design-an Overview’ – a book published by Routledge, UK and New York
- “Building Envelope” (design responding to climate, orientation, form, and materials), Efficient Energy Use, C.B. Smith, Ed., Pergamon Press, UK
- “The Influence of Ecological Sensitivity on Architectural Structures: An assignment for Structures I students – Design of a Warehouse”, (published in ACSA conference in Portland)
- “Integration of Sustainability: Design and Technology Studio”, (published in ACSA Western Regional Conference)