

IYYAPPAN. V

Ph.D Scholar

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IIT Madras

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EDUCATION

Indian Institute of Technology (IIT) Madras

Chennai, India

Master of Technology in Civil and

July 2004 – May 2006

Structural Engineering

- Thesis : Behavior of Edge Stiffened Cold-Formed Steel Members

Thesis Advisor: Dr. V. Kalayanaraman – Professor, Department of Civil Engineering, IIT Madras

Anna University CEG Campus

Chennai, India

Bachelor of Engineering in Civil Engineering

Dec 2000 – May 2004

- Thesis : Experimental Investigation of Structural Behavior of Slender and Short Fiber Reinforced Concrete Beams

Thesis Advisor: Dr. M. Sekar – Professor, Department of Civil Engineering, CEG Anna University

PROFESSIONAL EXPERIENCE

Arabtec Construction LLC

Dubai/Abu Dhabi, UAE

Lead Structural Engineer

March 2008 – July 2020

Design, Design Review, Detailed Engineering and Construction of Reinforced Concrete, Structural Steel, CFS/LGS and Aluminum/Glazed Structures and Buildings of Tall Hotel/Residential Towers, Mosques and Luxury Villa Projects

Arabian BEMCO Contracting Co

Jeddah, Saudi Arabia

Civil/ Structural Design Engineer

June 2006 – Feb 2008

Design and Construction of Electrical Buildings, Main Control and TIAC Building and Equipment Foundations for 1200 MW Power Plant

AREA OF STUDY/RESEARCH INTEREST

Experimental and Theoretical Study of Metal Structures.

Experimental and Theoretical Study of Thin walled CFS Members and Structures.

Experimental and Theoretical Study of Reinforced Concrete Structures.

Extreme Engineering and Technology for Mega Tall Buildings - Design and Construction

Bridge Engineering

Structural System for High Speed Transport

Offshore Structures

Power Plant Structures

FEM Modelling and Stress Analysis for Aircraft Components

FEM Modelling and Stress Analysis for Pressure Vessels and Thin Shells

Non-Linear Structural Dynamics

Linear and Non-Linear Finite Element Methods

Computational Inelasticity

Advanced Composite Materials and Structures

Micromechanics of Materials