



**DR. N. KRISHNAMURTHY**  
**Consultant: Safety ♦ Structures ♦ Computer Applications**  
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**PERSONAL PARTICULARS**

**Born** : October 29, 1931, at Bangalore, India  
**Residence** : Burma (Myanmar) (1931-1941), India (1941-59, 1962-67, 1988-1999)  
 USA (1959-62, 1967-81), (U.S.A. Permanent Resident, 1967-81)  
 Singapore (1981-88, 1999-Present), **Singapore P. R.:** I.C. No. 2202789A

**ACADEMIC CAREER**

Years	Institution and University	Qualification	Awards
1936-1941	Kamayut Primary School, Kamayut, Burma (Myanmar)	-	First in All-Burma Scholarship Examination, 1941
1941-1947	St. Joseph's Indian High School, Madras Board, Bangalore, India	S.S.L.C. (1947)	Govt. Scholarship, Academic Achievement Prizes
1947-1949	St. Joseph's College, Madras Univ., Bangalore, India	Intermediate in Science (1949)	Distinction in Physics, Chemistry, and Mathematics
1949-1951	Central College, Mysore Univ., Bangalore, India	B.Sc. (1951)	English First Prize (Gold Medal)
1951-1955	National Inst. of Engineering, Mysore Univ., Mysore, India	B.E. (Civil) (1955)	First for College
1959-1962	University of Colorado, Boulder, Colorado, USA	M.S. (CE) (1960) and Ph.D. (1963)	India-USA Govt. Scholarship, Straight 'A' Grade, Coloradan Pacesetter Award, International Goodwill Award, President's Academic Excellence Citation

**PROFESSIONAL EXPERIENCE**

Years	Organization	Designation	Responsibilities
1955 to Present	Government Organizations, and Private Companies, in USA, Singapore, India	<b>Consultant: Safety, Structures and Computer Applications</b> <b>MOM Accredited Trainer</b> <b>MOM Approved Risk Management Consultant</b>	(a) Training in Safety, Risk Management, Scaffold, Formwork etc. (b) Failure and Accident Investigations (c) Computer Software Design, Training, and, Development
1955-1959	National Inst. of Engineering, Mysore University, India	Lecturer, Then Reader in C.E.	Teaching, Laboratory Development
1962-1967	National Inst. of Engineering, Mysore University, Mysore, India	Reader in Civil Engrg., Then Additional Prof. and Acting Head	Teaching, Laboratory Development, Department Administration
1967-1975	Auburn University, Auburn, Alabama, USA	Associate Professor, Then Professor, C.E.	Teaching, Research, Consultancy
Summers 1967, 8	Oak Ridge National Lab., U.S. Nuclear Commission, Tennessee, USA	Scientist, Applied Mechanics Section, and Consultant	Stress Analysis of Nuclear Reactors and Thick-walled Pressure Vessels
1975-1979	Vanderbilt University, Nashville, Tenn., USA	Visiting Professor, Then Research Prof. of C.E.	Teaching, Research, and Consultancy
1979-1981	University of Alabama in Birmingham, Ala., USA	Professor and Dept. Chairman C.E.	Teaching, Research, Consultancy, Dept. Administration
1981-1988	National University of Singapore	Associate Professor, Department of C.E	Teaching, Research, and Consultancy
1985 - 2008	QE Design Systems, Singapore	Ex-Director, Singapore, Director (Tech.), India Consultant	Computer applications in Structural Engrg., CADS and GTSTRUDL Training, Steel design, crane weld analyses

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**PROFESSIONAL EXPERIENCE (Continued)**

Years	Organization	Designation	Responsibilities
1988-1999	Vidyanaraya Academy of Computing, Mysore, India	Director and Prof., President, Govern. Council	Training, Consultancy, Software Development, Centre Admin.
1989-1992	S.J. College of Engineering, Mysore University, India	Visiting Professor, Civil Engineering	Teaching FEM Course for M. Tech. in Industrial Structures
1993	National Inst. of Engineering, Mysore Univ., Mysore, India	Visiting Faculty, Computer Science Dept.	Teaching Computer Graphics Course for B.E.(Comp. Sc.)
1993-1995	Infosys Technologies Ltd., Bangalore, India	Consultant	Software Development, Communication skills; Chairman, Stock Option Comm.
1998	Excel-Soft, Mysore, India	Consultant	Project Management, Training
1999	Mahajana's College, Mysore University, India	Visiting Prof. of Computer Applications	Teaching Comp. Concepts, Finite Element Methods
1999-Present	National University of Singapore, Singapore	Part-Time Lecturer in Civil Engineering	Teaching Undergrad. and Post-Grad. CE Courses; Ethics & Professionalism.
2001-Present	Singapore Contractors Assn. Ltd. Academy, SC2, Institution of Engineers (S'pore) Academy	Lecturer, Trainer (Accredited by Singapore Ministry of Manpower)	Short Courses on Formwork/Scaffold Safety and Design, Risk Management, etc., Workshops on risk management
2002 – Present	TTID- Hong Kong ; EEM- Kuala Lumpur ; IES Academy, HDB, MOM, PSB, SETSCO, CFS etc.	Lecturer, Short Courses	Design, Erection, and Safety of Scaffolds and other Temporary Structures; Risk Assessment; Forensic Engineering
2001-Present	Lim Kim Cheong Consultants, Singapore	Consultant	Post-processors for computer structural analysis
2004 -	SPRING, Singapore	Freelance Editor	Editing standards and codes
2009-	Macmet India Ltd., Kolkata, India	Director, & Consultant	Participation in management policy – Consultancy for Structural Design
2010-	Univ. of Newcastle, Singapore Campus, PSB	Lecturer	Teaching Risk Management, and Technology & Human Values courses

**HONOR AND PROFESSIONAL SOCIETIES**

- Honor Societies** : Chi Epsilon, Sigma Tau, Tau Beta Pi (Academic Honor Societies, all from USA)
- Fellow** : American Society of Civil Engineers, Singapore Structural Steel Society (*Founder-President*), Institution of Engineers (India) ... [Was P.E. in U.S.A.]
- Member** : American Society for Engineering Education, Society for Risk Analysis (USA), Sigma Xi (USA), Institution of Engineers (Singapore), Singapore Institution of Safety Officers, American Society of Safety Engineers. Honorary Member: Precast and Prestressed Society of S'pore

**PUBLICATIONS**

- Books** : "Introduction to Bridges", Two Editions, 1959, 1963  
 "Introduction to Computer Graphics", VAC Edition, 1993, Edition published by Tata McGraw-Hill, India, 2002, International Edition by McGraw-Hill, Singapore, 2002  
 "Structural Welding", (with Liew, Rao, and Sze), SSSS, 2002  
 "Introduction to Risk Management", 2007  
 "Part I, Finite Element Method", in "Finite Element Analysis in Implant Dentistry", with Geng, .P., and W. Xu (Editors), Hong Kong Tranfor Publishing Co. Ltd., 2006. Elsevier Edn., just out.
- Technical Papers** : Over 80 Papers in refereed Journals, Conference Proceedings, and professional magazines, on structures, computer applications, and workplace safety & risk management.
- Reviewer / Editor** : Technical books and journals; Computer Manuals etc., for Applied Mechanics Reviews, ASCE, PCI, McGraw-Hill, SRA, etc.  
 Chief Editor: *Guidebook on Scaffolds (2004)*, published by SCAL.
- General Articles** : Feature articles, essays, and photo-features in *Illustrated Weekly of India*, *Deccan Herald*, *The Hindu*, *Times of India* etc., as Freelance Journalist.  
 Articles on ethics, Hindu religion and philosophy.

**OTHER**

- Other Teaching** : Lectures on oral, written and electronic communication to various organizations.  
 Lectures on ethics, Hindu and comparative religion and philosophy.
- Hobbies** : Photography, reading, and music.