

**DR. N. KRISHNAMURTHY**

Consultant: Safety ❖ Structures ❖ Computer Applications

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PERSONAL PARTICULARS

Born : 29 October, 1931, at Bangalore, India. **Citizenship :** 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. S2202789A

ACADEMIC CAREER

Years	Institution and University	Qualification	Awards
1959-62	University of Colorado, Boulder, Colorado, USA	M.S. (CE) (1960) & Ph.D. (1963)	India-USA Govt. Scholarship; Straight 'A' Grade; Coloradan Pacesetter Award; Intl. Goodwill Award; President's Academic Excellence Citation
1951-55	National Institute. of Engineering, Mysore Univ., Mysore, India	B.E. (Civil) (1955)	First for College in Final Year Ranks in first three years
1949-51	Central College, Bangalore, India	B.Sc. (1951)	English First Prize (Gold Medal)
1947-49	St. Joseph's College, B'lore, India	Interm. in Sc.(1949)	Distinction in Physics, Chemistry, and Mathematics
1941- 47	St. Joseph's Indian High School, Madras Board, Bangalore, India	S.S.L.C. (1947)	Burma Govt. Scholarship for 1941-1942 Academic Achievement Awards
1936-41	Kamayut Primary School, Kamayut, Burma (Myanmar)	-	First in All-Burma Scholarship Examination, 1941

PROFESSIONAL EXPERIENCE

Years	Organization	Designation	Responsibilities
CURRENT SINGAPORE-BASED ACTIVITIES			
2015-	Construction Professionals Private Ltd	Short Courses / Webinars	Suite of 6-7 lectures on OSH topics to various levels of their management and staff
2011-	SS 580 Code Committee	Work Group Member	Develop, draft, edit Formwork Code of Practice
2008-	Institution of Engrs., S'pore	Lect., Short Courses	Risk Mgmt., Work at Ht., Formwork, Scaffolding
2000-	Various Government and private organizations in Singapore and India	Consulting, lectures, accident investigation and expert witness	Resolution of structural design and safety related problems; consultation for court-related matters on workplace accidents and litigation
COMPLETED SINGAPORE-BASED ACTIVITIES			
2012-16	WSH Institute (Gov. of S'pore)	Principal Investigator	Research on Working Safely at Height
2012-13	University SIM, Singapore	Associate Lecturer	BPM205, Productivity Management course
2011-22	RSTAR Academy, Singapore	Lect., Short Courses	Risk Mgmt., Welding tech., Constr. safety
2010-19	PSB (U. of Newcastle, AU)	Associate Lecturer	OHSE3740- Risk Assessment and Management
2010-14	PSB (U. of Newcastle, AU)	Associate Lecturer	PHIL3910-Technology and Human values
2010-14	National Univ. of Singapore	Visiting Faculty	EG2401: Engineering Professionalism
2009-10	MOM-WSH Council, S'pore	Principal Investigator	Research to Enhance Effectiveness of Risk Mgmt
2009-19	Macmet India Ltd., Kolkata, IN	Director, & Consultant	Participation in mgmt policy – Struct. Consultancy
2008-11	BCA, Singapore	Lect., Short Courses	Work at Ht., Formwork, Risk Mgmt., Value Engrg.
2004-15	SPRING, Singapore	Editorial Consultant	Editing of Singapore Standards; short courses
2004-08	Ministry of Manpower, Private parties, Attorneys, S'pore	Forensic Consultant, Expert Witness	Accident investigation & reporting, Consultancy, Court Appearances, Courses [Details on request]
2002-21	SETSCO, Singapore	Lect., Short Courses	Welding Technology, design and safety
2002-08	HDB, MOM, CFS, TTID-Hong Kong, EEM-Kuala Lumpur	Lect., Short Courses	Temporary Structures, Welding Technology and Safety, Construction Design, Erection & Safety
2001-20	SCAL Academy (Ex. SC2)	Lect., Short Courses	Scaffold, Formwork, Risk Management
2001-08	LKC Consultants, S'pore	Consultant	Post-processors for computer structural analysis
1985-2008	QE Design Systems, Singapore	Director, S'pore; Tech-Dir., India; Consultant	Computer appl. in Struct. Eng.; GTSTRUDL and CADs training; Steel design; Crane weld design
1999-2003	National Univ. of Singapore	Part-time C.E. Faculty.	Post-grad courses in finite elem. meth., dynamics
1981-88	National Univ. of Singapore	Assoc. Prof. of C.E.	Teach Undergrad. Subjects in C.E.; Consultancy

Years	Organization	Designation	Responsibilities
COMPLETED USA-BASED ACTIVITIES			
1979-81	University of Alabama in Birmingham, Ala., USA	Professor and Dept. Chairman, Civil Engineering	Teaching, Research, Consultancy, and Dept. Administration
1967-81	State Govts., private parties	Consultant	Consultancy on struct. and mech. failures
1975-79	Vanderbilt University, Nashville, Tenn., USA	Visiting Prof. of C.E., and then Research Prof.	Teaching, Research, and Consultancy
Summers 1967, 8	Oak Ridge Natl. Lab., U.S. Nuclear Comm., TN, USA	Scientist, Appl. Mech. Sec., & Consultant to HSST prog.	Stress Analysis of Nuclear Reactors and Thick-walled Pressure Vessels
1967-75	Auburn Univ., AL, USA	Assoc. Prof, then Prof. of CE	Teaching, Research, and Consultancy
INDIA-BASED ACTIVITIES			
2021-Now	Bureau of Indian Standards	Member, Committee CED-45	Current code revision; new codes; R&D
2021-22	Govt. of India, Ministry of Labour and Employment	Member, Expert Committee for OSH-Factories	Framing the standards on Safety, Health & Environment in regard to Factories.
2019-22	Centre for Workplace Safety and Health, NIE, Mysore	Founder-Director	Management, training and consultancy on workplace safety, risk mgmt., etc.
2018-2020	National Inst. of Engineering, (NIE), VTU, Mysore, India	Distinguished Academic Visiting Expert	Specialised courses for practicing engineers and students, consultancy
1999	Mahajan College, Mysore, IN	Visiting Prof. of Comp. Apps.	Teaching Computer Concepts, Fin.El.Meth
1998	Excel-Soft, Mysore, India	Consultant	Project Management, Training
1993-1995	Infosys Technologies Ltd., Bangalore, India	Consultant	Software Development, Communication skills; Chairman - Stock Option Commit.
1993	Natl. Inst. of Engg, Mysore	Visiting Faculty, Comp. Sc.	Teaching Comp. Graphics for BE(CompSc)
1989-92	S.J.College of Eng.,Mysore,IN	Visiting Professor, Civil Eng.	Teaching FEM Course for M.Tech., Ind.Str.
1988-1999	Vidyaranya Academy of Computing, Mysore, India	Director & Prof. of Comp. Appl., President, Governing Council	Training, Consultancy, Software Development, Centre Administration
1955-59, & 1962-67	National Inst. of Engineering, Mysore University, India	Lect., Reader in C.E., & then Addl. Prof., & Acting Head	Teaching, Laboratory Development, Department Administration
HONOR AND PROFESSIONAL SOCIETIES			
Honor Societies : Chi Epsilon; Sigma Tau; Tau Beta Pi (Academic Honor Societies, all from USA).			
Fellow : ASCE, (<i>Founder President, S'pore Section</i>); Singapore Structural Steel Society (<i>Founder-President</i>); Instn. of Engineers (India); Assn. of Consult. C.E.(India) [I was P.E. in Ala., USA.]			
Member : ASSP; Institution of Engineers (S'pore); S'pore Instn. of Safety Officers; Hon. Mem.: Precast & Prestressed Conc. Soc. (S'pore), ACCE(I), MES, <i>[Ex-ASEE; SRA(USA); Sigma Xi (USA)]</i>			
INVENTIONS AND COPYRIGHTS			
SAFER Diamond : Computer-graphics based technique for risk assessment with minimal input of likelihood and severity, patented in Singapore and Australia.			
Bar-Pod : Scaffold/falsework modular system design to local codes for fast erection and safe use.			
Safe-Walker : Automatic seat support aid for persons collapsing while walking (<i>Pending</i>).			
Krishna-Dheva : A Sanskrit-English transliteration scheme, copyrighted in India.			
RECENT AWARDS			
APRIL 2021 : Singapore Standards Council – Enterprise Singapore Commendation Award, for contributions through his work for the Technical Committee for R.C. Formwork, of the Govt. of Singapore			
AUGUST 2021 : Association of Consulting Civil Engineers (India) GAURAV Award for 2020.			
PUBLICATIONS			
Books : "Introduction to Bridges", (Mysore, India) Two Editions, 1959, 1963 "Introduction to Computer Graphics", VAC, 1993, Tata McGraw-Hill, India (& S'pore), 2002. "Structural Welding", (with Liew, Rao, and Sze), SSSS & BCA, 2002. "Introduction to Risk Management", Amazon, ISBN: 978-981-05-7924-1, 86 p., 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 Edition. "Introduction to Enterprise Risk Management", Partridge, ISBN: 978-1539436287, 262 p., 2019. "Essays on Forensic Engineering", Amazon, ISBN: 978-1973970040, 236 p., 2017. "Safety at Height", CRC Press, ISBN: 978-1032616971, 180 pages, May 2024 NINE books in my ' ABC of Life ' Series, plus a book of short stories, and a novel in the works, self-published (Print-on Demand) through Amazon (USA) <i>[Details on website]</i>			
Technical Papers : Over 100 Papers in refereed Journals, Conference Proceedings, and professional magazines, on structures, computer applications, workplace safety & risk management, and forensics.			
Reviewer / Editor : Technical books/journals for Applied Mechanics Reviews, ASCE, PCI, McGraw-Hill, SRA, etc. Chief Editor: <i>Guidebook on Scaffolds (2004)</i> , published by SCAL. Reviewer for Elsevier.			
General Articles : Feature articles, essays, and photo-features in <i>Illustrated Weekly of India</i> , <i>Deccan Herald</i> , <i>The Hindu</i> , <i>Times of India</i> etc., as Freelance Journalist. Articles on ethics, Hinduism etc.			
MISCELLANEOUS			
Other Teaching : Lectures on communication, ergonomics, comparative philosophy etc. to various organisations. Talks on Engineering Ethics, and my " 5A-Way " – motivational schema for decision-making.			
Hobbies : Photography, reading, writing, poetry (Limericks), music; Sudoku; Quora – Life counselling.			