

RESUME

Name:	Krishna Rao Venkatesh
Age:	65 years (Date of birth - 24.09.1952)
Present Occupation:	Professor NITTE Meenakshi Institute of Technology
Academic Qualification :	B.E. - Electronics - Bangalore University (1968 – 73) M.E. - IISc (School of Automation), Bangalore (1973- 75) M.Comp. Sc. - Concordia University, Canada (1975- 77) Ph. D. (Comp. Sc.) - Concordia University, Canada (1983- 88) (<i>Dissertation: Global States of Distributed Systems</i>)
Work Experience:	<ul style="list-style-type: none"> a) Professor: NMIT Aug 2015 onwards b) Consultant : Avionics – Full time consultant for Spectrum Infotech. (a wholly owned subsidiary of L&T. 2012- Aug 2015; Part time Aug 2015 onwards. c) Head – Technology Development (Defense Electronics) Larsen & Toubro Ltd. 2006-2012. d) Vice President Technical at Spectrum Infotech 1995-2006: Incubated and nurtured the company for over 11 years to become a leading contract R&D house for Defense Electronics & Systems resulting in it being acquired by L&T in 2006. e) Member Senior Research Staff Central Research Lab, - Bharat Electronics, Bangalore - 1990 - 95 f) Deputy Manager R & D - Bharat Electronics, Bangalore - 1977 - 90 g) Research Assistant & Teaching Assistant - Concordia University - 1975 – 77 & 1983 - 88.
Projects	<ul style="list-style-type: none"> a) On-Board Oxygen Generation System for LCA b) Dual Axis stabilized Gimbal for a High Energy Weapon c) Environmental Control System & Cockpit I/F Units -- Avionics LRUs for LCA d) Suite of Video Cards for Multi-Function Consoles and Head Up Display of LCA e) Fault-tolerant Kernel for a C3I system for Indian Navy f) Electronic Control Unit for an Anti Lock Braking System for commercial vehicles g) Mode-S (Secure) processor for IFF Sec. RADAR. h) Single Board Computer based on Power PC & Pentium i) Print-Cast Decoder for HP Lab j) Technology upgrade for PET system of GE Medical Systems U.S.A k) Tank Fire Control System (at BEL) – Microprocessor based system to enhance the first round hit probability and to reduce engagement time of Battle tanks. l) Electronic Voting Machine (at BEL) -Right from evolving specifications of the product, through design, development, field trials and mass manufacture. This is the machine that was developed for the Indian Election Commission and which is being used in Elections throughout the country for the last few decades. m) Modular Embedded Computer System (at BEL) Development of standardized Hardware and software building blocks to realize embedded computer systems. Building Blocks based on 386 / 186 microprocessors and Multibus II Backplane, complete with Task level debuggers, performance analyzer. The product has been inducted into a number of advanced military systems n) NAVIGATION AND COLLISION AVOIDANCE SYSTEM FOR THE VISUALLY IMPAIRED: DST PROJECT--- May 2016 onwards..

Area of Interest	<ul style="list-style-type: none"> a) High Availability Embedded Systems. b) Distributed Systems c) Fault Tolerance.
Teaching Experience:	<ul style="list-style-type: none"> d) Graduate & Undergraduate courses handled at Concordia University <ul style="list-style-type: none"> i. Computer Networks ii. Computer Organization iii. Digital Electronic Circuits e) Continuing Education Program IEEE <ul style="list-style-type: none"> i. Introduction to Micro-Processors f) Training & Development Center BEL <ul style="list-style-type: none"> i. Introduction to Micro-Processors g) Conducted Workshops on Collaborative working in L&T h) Conducted Workshops on "Performance Assessment & giving Feedback" in L&T

Some of the papers Published :	<ul style="list-style-type: none"> • Distributed Real Time Control Systems - Design Review Sept 1990 • Distributed Debugging - IEEE Conference 1984 • Distributed Discrete Event Simulators - Journal of Parallel and Distributed Computing 1990.
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Awards :

- **Vasvik Award 2002** for development of Electronic Voting Machine
- **Canadian Common Wealth Scholarship 1983-85**
- **R&D Award (BEL)** for development of Ruggedized Computer
- **R&D Award (BEL)** for development of Electronic Voting Machine
- **SIATI Award** for development of ECFM-EU LRUs
- **DSIR** Recognition as a Commercial R&D House
- **CEMILAC** Recognition of Spectrum Infotech Pvt. Ltd. As a Design house for HW & SW development of Avionics LRUs

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