

Praveen Kumar Khosla, PhD

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Current Position	Executive Director , Centre for Development of Advance Computing (C-DAC), (under Ministry of Electronics and IT), A-34, Industrial Area, Phase VIII, Mohali (Near Chandigarh), Punjab – 160071 India	2018 - Present
Previous Position	Scientist G (Since 2014) Government of India, Ministry of Defence, Defence Research & Development Organisation (DRDO), TBRL, Sector 30, Chandigarh – 160 030, India	1986 - 2018
Education	PhD , Electronics & Communication Engineering Thapar University, Patiala, India M Tech , Electronics & Communication Engineering, National Institute of Technology, India	Awarded University Medal for being topper in University
Conferences in 2019	International Conference on Intelligent Machines, Bhatinda, India. March 2019	Chief Guest and Keynote speaker
	6 th National Conference on Engineering Research and Applications - 2019	Guest of Honour and speaker – Challenges of AI
	CII International Conference on Cyber Security – Understand the Threats – Plan your Defence, June 2019 at New Delhi	Delivered Inaugural Address
	Planned 2 nd International Conference on Futuristic Trends in Networks and Computing Technologies – to be held in Nov 2019 at C-DAC Mohali, India	Being organised by me and my team
Awards	Engineer of the Year Award of Chandigarh University for life time achievement	2017

Scientist of the year Award – Presented by Defence Minister of India	2015
Technology Group Award as a Team Leader	2015
DRDO Award For Performance Excellence	2014
DRDO award Scientific Advisor to Defence Minister's commendation for overall management of Proj TERA	2014
DRDO National Technology Day-2012 Award for his oration on Development of Systems for testing Faster and heavier payloads using rocket sled	2012
TBRL award for design of Campus Wide Network	2010

Projects &
Research
Experience

Health Sector

- Development of world's largest telemedicine solution
- Personal Health Record Management System for nationwide roll out
- Development of medical devices such as wireless ECG, wireless Stethoscope, spirometer and dermato-scope etc
- AI powered automatic interpretation of Glaucoma and diabetic retinopathy.
- Mobile app based online drug monitoring and
- Glaucoma patient database management

Cyber Security

- Development of Honeypot and its nationwide deployment for collection of Cyber Threat Intelligence
- Protection of critical information infrastructure by vulnerability assessment and Security Information and Event Management (SIEM).
- AI based Log Analysis

e-Governance

Conceptualised and implemented a number of projects which have mass impact.

Defence Sector

- Development of embedded systems for on-board applications
- Instrumentation of for Supersonic sled system
- Establishment of Supersonic Track with advance instrumentation
- Development of techniques for evaluation ejections seats
- VR, AR and AI based simulations
- Campus wide network and ERP

Guided a number of B Tech, M Tech & PhD students and published in conferences and journals