

PROFILE

Name	Dr. Ravindranath K
Position & Affiliation	Associate Professor, Department of ECE
Areas of Interest	Artificial Intelligence, ASIC design and Verification
Email	ravindranath.ece@cambridge.edu.in
LinkedIn ID	https://www.linkedin.com/feed/?trk=guest_homepage-basic_google-one-tap-submit
Google Scholar ID	https://scholar.google.com/citations?user=ViQIo_MAAAJ&hl=en
Orcid ID	https://orcid.org/0000-0003-2562-2781
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Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=57907805000
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	NIT, Trichy	India	2024
MTech	RNSIT, VTU	India	2012
BE	VKIT, VTU	India	2008

Areas of Research:

Artificial Intelligence, ASIC design and Verification, VLSI, Image Processing, CMOS RF

Brief Profile: (write about yourself)

Completed M.Tech and PhD in Electronics and Communication Engineering. Has over fourteen years of Industry, Academic and Global Teaching Experience. The areas of interest are Application of image processing, computer vision and artificial intelligence and SoC design and verification. Worked as a Visiting research scholar at University of Saskatchewan, Saskatoon, Canada. Earlier was associated with NIT, Trichy as a senior research fellow from July 2019 to 2024 onwards, associated with CIT, Bangalore from August 2024.

Worked as a teaching consultant to VLSI Guru to train L&T trainees on Analog Mixed mode VLSI.

Awards/Achievements/Others:

Courses Taught:**AIML, Advanced VLSI, System Verilog****Publications/Patents:**

Publications	<p>Title: An automated multi-class skin lesion diagnosis by embedding local and global features of Dermoscopy images Indexing: SCIE DOI: https://doi.org/10.1007/s11042-023-14892-2 Year: 2023 Journal: Multimedia Tools and Applications</p> <p>Title: Histopathological carcinoma classification using parallel, cross-concatenated and grouped convolutions deep neural network Indexing: SCIE DOI: https://doi.org/10.1002/ima.22846 Year: 2023 Journal: International Journal of Imaging Systems and Techmology</p> <p>Title: DeepHistoNet: A robust deep-learning model for the classification of hepatocellular, lung, and colon carcinoma Indexing: SCI DOI: https://doi.org/10.1002/jemt.24426 Year: 2024 Journal: Microscopy Research and Technique</p>
Patents	<i>Nil</i>
Book/Book Chapters	Kadirappa, R., Amaranageswarao, G., Deivalakshmi, S. (2022). Convolutional Neural Network Models for Throat Cancer Classification Using Histopathological Images. In: Majhi, S., Prado, R.P.d., Dasanapura Nanjundaiah, C. (eds) Distributed Computing and Optimization Techniques. Lecture Notes in Electrical Engineering, vol 903. Springer, Singapore. https://doi.org/10.1007/978-981-19-2281-7_25

Research and Consultancy: Working as a research consultant to HyperZebras as the ASIC design and verification engineer.