

RESUME

Name	Ravi Hosamani
Experience	Currently working as assistant professor in the Department of Electronics and Communication Engg. K.L.E. Institute of Technology, Gokul, Hubballi from July -2010
Qualification	<ul style="list-style-type: none">• Completed BE in Electronics and Communication from PDA College of Engineering Kalburgi in 2006 .• M.Tech in VLSI Design and Embedded System from Sri. Jayachamararaj College of Engineering in 2010.• Persevering Ph.D in VTU Beglavi
Administrative	<p>College level</p> <ul style="list-style-type: none">• VTU Exam Coordinator and VTU Digital Valuation Coordinator.• IEEE Student branch counselor• Youth RedCross Coordinator• Anti ragging committee member• VTU e-shikshana Coordinator <p>Department Level</p> <ul style="list-style-type: none">• NBA coordinator,• Faculty development Program• Seminar and Project coordinator• Department Activities coordinator,• (ADVITIYA) National TechFest,• Student Development Program
Industrial Experience	1.5 years of experience in software industry (Spectramind Solution Pvt. Ltd) as in Testing Engineer at Hyderabad.
Co-Curricular	<ul style="list-style-type: none">• Conducted more then 30+ Webinar, technical talks• 50+ Student Activities• IEEE YESIST 12 (Youth Endeavours For Social Innovation Using Sustainable Technology) international student project competition• Organizing /publication chair International Conferences• Awareness program for high school student on “USE OF INTERNET” and “NO USE OF PLASTIC AWARENESS PROGRAM” and to High School Gokul, Hubballi.• Organized “Blood donation camp” at K.L.E. Institute of Technology, Hubballi

Curricular	Fundamentals of CMOS VLSI, Basic Electronics, Microprocessor Control System, Digital Signal Processing, Information Theory and Coding and Digital Switching System, Microwave and Radar, and LTE
UG Projects	<p>Guided more than 25 projects.</p> <p>Creative Projects at the pre final year and the final year level of the students in the area of VLSI, DNN, Agriculture, Health and Biomedical applications</p> <ul style="list-style-type: none"> • Small Scale Automatic Jaggery Production(AJP) System development in association with University of Agricultural Sciences, Dharwad • KSCST Best Project of the Year 2016-17 for "Fabrication of grapheme with actuate carbon made from cow dung as electrode material for electrochemical sensor- A Biomedical Applications • Solar Based Temperature Controlled Fruit Drying System development in association with University of Agricultural Sciences, Dharwad • E- Trolley For Shopping Malls(Selected for Texas Instruments India Student Project Competition)
Post Graduate	Advance Digital Design lab for Computer Engineering Course.
Design Skills	Assembly , Verilog Programming, MATLAB , Python
Research	Perceiving research in CSI Estimation for Multi antenna systems using Machine Learning.
Laboratory Development	HDL Design Lab, DSP Development Platform, Cadence VLSI design Lab
Laboratory Manuals	DSP, HDL and Cadence VLSI Laboratory.
Technical Area of Interest	Digital VLSI, Digital Signal Processing
Professional Membership	Senior Member , Institute of Electrical Engineers (IEEE USA) Life Indian Society for Technical Education (ISTE India) Life member Institute of Electrical and Telecommunication Engineer(IETE India)
Papers Published	<ul style="list-style-type: none"> • Accepted "Multiplier design for digital modulator for wireless communication applications" IEEE 2023 8th International Conference for Convergence in Technology (I2CT),Pune, Maharashtra, India • Ravi Hosamani ,Praveen Kumar Y G, Kariyappa B S , M. Z. Kurian, "Realization of Power and Area efficient 16-bit Equality Comparator using m-GDI Technology," 2021 IEEE Mysore Sub Section

- International Conference (MysuruCon), 2021, pp. 677-681, doi:1109/MysuruCon52639.2021.9641525
- Ravi Hosamani , Devamane S., Yerriswamy T., Bagalwadi S. (2022) Deep Learning Based Human to Human Interaction Detection Using Wireless Fidelity. New Trends in Disruptive Technologies, Tech Ethics and Artificial Intelligence. DiTTEt 2021. Advances in Intelligent Systems and Computing, vol 1410. Springer, Cham. https://doi.org/10.1007/978-3-030-87687-6_3.
 - Ravi Hosamani ,Chetan Sagarnal, Shridhar B.Devamane, Trupthi Rao, “Deep Learning Approaches for COVID – 19 Diagnosis “, 4th International Conference on Informatics & Data-Driven Medicine, November 19–21, 2021 Valencia,
 - Ravi Hosamani, Rakesh H. M, Rakesh B Shettar, Praveen Kumar Y G, “Realization of 8-Bit Pipelined RISC Processor using Verilog HDL, International Research Journal of Engineering and Technology (IRJET) ,2021, Vo.8 Issue .9 Pages 1794-1797
 - Ravi Hosamani,, Anusha Bha ,Anusha Kalasur, “Design and Analysis of 1-Bit SRAM” , International Journal of Engineering Research & Technology (IJERT), 2020, Vol.9, Issue 9,Pag.220-224
 - Ravi Hosamani, Karuna C. Gull, Susen Naik, “ Innovative Teaching to Improve the Learning Process: An Experience” Journal of Emerging Technologies and Innovative Research, ISSN : 2349-5162 Volume 7 Issue 2 , February-2020
 - Ravi Hosamani,Yerriswamy T, Rajeswari Itagi. “Performance of Channel Estimation for large scale MIMO Systems” IFERP International Conference 32ndWCASET – 2020, ISBN: 978-93-90214-08-2,Page 22
 - Ravi Hosamani and Ravi Bagade “Arduino Based Water Billing System for Domestic Purpose” International Journal of Modern Trends in Engineering and Research (IJMTER) ISSN (Online):2349–9745 ; ISSN (Print):2393-8161 Volume 02, Issue 07, July– 2015
 - Ravi Hosamani, Ashwini S. Karne “Design and Implementation of Hamming Code on FPGA using Verilog “ International Journal of Engineering and advanced Technology (IJEAT) ISSN: 2249-8958,Vol.4 Issue-2, December 2014
 - Ravi Hosamani, Dr.Satish R. Desai “Small Scale Automatic Jaggery Production(AJP) System” International Journal of Modern Trends in Engineering and Research(IJMTER) Vol. 01, Issue 06 e-ISSn:2349-9745,pISSN:2393-8161 December 2014
 - Ravi Hosamani, Dr.Satish.R.Desai “Solar Based Temperature Controlled Fruit Drying System” International Journal of Research in Instrumentation Engineering (IJRAIE) Vol. 1, Issue. 2, Sep. 2013

Patent

Achievements

- Ravi Hosamani, ,B.A.Sujathakumari ,Wireless Weather Data Logger using SD Card with ARM Controller, International Journal of Power, Control, Signal And Computation (IJPCSC) Vol2. No.3 April– June 2010

“Simultaneous DoA Estimation of Uncorrelated, correlated and coherent source signals without estimation a source number”

- Execom Member in IEEE Bangalore Section 2022,2023
- Chair Elect 2023 ,Secretary 2022 , IEEE North Karnataka subsection
- Secretary IEEE SIGHT Bangalore section
- Best Counselor award 2020 from Bangalore section
- Best volunteer award 2021 For IEEE NKSS
- Core committee members B-HTC 2022 conference held in IISc Banglore.
- Grand Entry Award Winner 2022, YESIST12 2022 International student Project Competition
- Faculty full Fellowship VLSID Embedded and VLSI Design conference in 2014 and 2020.
- Award “Best small IEEE Student Branch” 2015 and 2020
- KSCST Best Project Winner of the Year 2016-17 for”Fabrication of grapheme with actuate carbon made from cow dung as electrode material for electrochemical sensor- A Biomedical Applications
- Reviewer of Journal and conferences
- Participated the international conference in transformation of Engineering education organized by IUCEE

Recent Workshop

- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 2021-1-4 to 2021-1-8 at Dr. Ambedkar Institute of Technology.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "COGNITIVE RADIO, ANTENNAS & MILLIMETRE WAVE COMMUNICATION" from 2021-06-07 to 2021-06-11 at SARANATHAN COLLEGE OF ENGINEERING.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Devices for Modern Wireless Communication System" from 20/09/2021 to 24/09/2021 at School of Studies in Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur.
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends and Advancements in ANN and Deep learning for Real Time Applications" from 20/12/2021 to

**General
Information**

24/12/2021 at Rungta College of Engineering and Technology, Bhilai.

- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "SPARSE SIGNAL PROCESSING AND ITS APPLICATIONS" from 18/10/2021 to 22/10/2021 at National Institute of Technology Andhra Pradesh.
- Attended the work shop on Introduction to PBL at KLE Tech University Hubballi, 21st Nov 2019.
- Attended FDP on "Digital Signal Processing" at KLE Tech University Hubballi from 15th to 20th July 2019.
- Attended FDP on Computational Linear Algebra at SJCE Mysore from 7th to 11th Dec 2016
- Gender: Male
- Nationality: Indian
- Date of birth: 20-07-1983
- Contact address: #307, Renuka Nagar, Gokul Road Hubballi -30.
- Phone / mobile number: +919945443844
- Email Id: ravihosamani@kleit.ac.in ravishosamani@ieee.org

Date

Signature