

RNS Institute of Technology, Channasandra, Bangalore-560098
ECE Dept | RESUME - Faculty

Name	Leena Chandrashekar		
Date of Birth	10 th Sep 1979		
Address	Contact Address: Leena Chandrashekar, Assistant Professor, Department of ECE, RNSIT, Bangalore-98 E-mail: leenac@rnsit.ac.in		
Subject / Discipline/ Major	Electronics and Communication Engineering		
Educational Qualifications	Exam Passed	Institution University	Year
	BE (Telecommunication Engg.)	RV College of Engineering	2001
	MTech (VLSI & Embedded Systems)	UTL Technologies, VTU Regional Center	2011
	Ph. D (Pursuing)	RV College of Engineering	2022
Experience	Nature of Experience	No. of Years	
	Teaching	16.6	
	Industry/Research	2	
	Total No. of years of Experience	18.6	
Experience Details	Designation	Institution/ Organization	Duration
	Lecturer	PESIT, Bangalore	2005-2010
	Assistant Professor	PESIT, Bangalore	2010-2012
	Assistant professor	GRIET, Hyderabad	2012-2013
Professional bodies Membership details	IEEE Signal Processing Society, IEEE EMBS Member		
Other Professional Experiences	SPOC, NPTEL		
Areas of Research Interest & Guidance	Biomedical Image Processing, Data Fusion, Artificial Intelligence, Robotics, Computer Vision, Embedded Systems		
National/ International Work Shops/ Seminars / Conferences Attended	<p style="text-align: center;"><u>Faculty Development Programs Attended</u></p> <ul style="list-style-type: none"> • Online Elementary 5-day ATAL FDP on “Artificial Intelligence and Conceptualization of Algorithms using Python,” Bangalore Institute of Technology, 12 July – 16 July 2021. • day Online Elementary FDP on “Nature Inspired Optimization Techniques,” National Institute of Technology, Delhi, 19 July – 23 July 2021. • days online FDP on "Optimization Techniques for Machine Learning,” IEEE Bangalore Section, SJBIT, Bangalore, 10th to 15th August 2020. • days online FDP on "IP Rights and Patenting,” IPR Cell and the IRIS Techno Cultural Forum, ECE Dept, NITTE Meenakshi Institute of Technology, Bengaluru, 5 Oct to 9 Oct, 2020. • day Online Continuous Education Programme on “Big Image Data Processing using Deep Learning Techniques,” National Institute of Technology, Warangal, 27 July – 31 July 2020. • Two-week Online Faculty Development Programme on “Applied Data Science,” BMS College of Engineering, 6 July – 17 July 2020. • Day RBCDSAI’s International Summit on Data Science and AI, Indian Institute of Technology, Madras, 18 Jun – 20 Jun 2020. • Faculty Development Programme on Machine Learning and Deep Learning using Python, Jan 30, 31 and 1st Feb 2020. • Ten Days Workshop on Research Methodology, VTU Center for Post Graduate Studies, Muddenahalli, Chikkaballapur, 3-12 January 2020 		

- TEQIP-III Sponsored 5-days Short Term Training Program on “Optimization Techniques for Signal Processing and Network Communication (OTSPNC-2018) during June 14-18, 2018 at NITK Suratkal.
- Faculty Development Program on “Python Programming and Applications”, 18-20, June 2018, Dept of ECE and Dept. of MCA, RNSIT, Bangalore.
- NS-3 and its advanced usage, RNSIT, June 27-Jul 1, 2016.
- RBK Memorial workshop on Antenna Design and Simulation using PAM-CEM, RNSIT, Jun 21-22, 2016.
- 3-Day Workshop for Signal, Image Processing and SDR using Labview at JSSATE, June 2015.
- Dissemination Workshop on Underwater Video Compression 2014 at RVCE.
- Workshop on "Latex Usage" at RNSIT, 2014.
- IISC Workshop on MEMS, 2013.
- 2 Day Workshop on Akash Tablet, IIT-Mumbai 2013.

Seminars Attended

- “Tools for Research and Paper Writing,” One day National Level Webinar, MITS and Computer Society of India, 3 Jun 2020.
- “Sensors and Deep Learning Application for Safe Navigation in unstructured Traffic Environment Using AI,” Dr. AIT, 12 Jun 2020.
- “A Step towards enkindling Atma Nirbharata in our youths in Higher Educational Institutes,” IEEE Bangalore Section, 12 Jun 2020.
- “R&D in Electronics Engineering for Academic Institutes in the current COVID-19 Scenario,” RNS Institute of Technology, 24 Jun – 26 Jun 2020.
- “Art and Challenges of Writing Papers for IEEE Transactions,” IEEE Bangalore Section, 8 Jun 2020.
- IEEE Society Chapter Webinar Series, 12 May -15 May 2020.
- “Writing a Competitive Grant Research Proposal,” IEEE Bangalore Section, 20 April 2020.
- “Effective Online Engineering Education: Tips and Tricks”, IEEE Bangalore Section, 26 April 2020.
- Virtual IEEE Signal Processing Society Forum on “Image and Video Signal Processing”, organised by IEEE Signal Processing Society and IEEE Bangalore Section, 27th March 2021.
- “Master Program on Image Processing and Computer Vision” Agimus Technologies, 25 May – 29 May 2020.
- Webinar on “How to manage ourselves in this new situation”, IEEE Bangalore section, April 19, 2020

Papers Presented /Books Published

International Conferences

- Leena Chandrashekar, M N Dinesh, “Selecting an Optimizer to Detect the Field of View for CT and MRI Brain Images,” submitted at INDICON 2021.
- Leena Chandrashekar, A Sreedevi, et. al. “Angle Classifier for Registration of MRI and CT Brain Images using Deep Learning,” 5th IEEE International Conference on Recent Advances and Innovations in Engineering- ICRAIE 2020, Dec 1-3, 2020. [10.1109/ICRAIE51050.2020.9358365](https://doi.org/10.1109/ICRAIE51050.2020.9358365)
- Leena Chandrashekar, A Sreedevi, “A Framework for Multimodal Image Fusion for Detection of Glioblastoma”, 17th IEEE India Council International Conference – INDICON 2020, Dec 11-13, 2020. DOI: [10.1109/INDICON49873.2020](https://doi.org/10.1109/INDICON49873.2020).
- Leena Chandrashekar, A Sreedevi, “A Nature Inspired algorithm for Enhancement of Fused MRI and CT Brain Images”, 6th International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2020, NITTE Meenakshi Institute of Technology, Bangalore, Sept 25th -26th 2020.
- Leena Chandrashekar, A Sreedevi, “A Multi Objective Enhancement Technique for Poor Contrast Magnetic Resonance Images of Brain Glioblastomas”, Third International Conference on Computing and Network Communication, CoCoNet 2019, IIITM-K, Trivandrum, Dec 17-21, 2019.
- Leena Chandrashekar, A Sreedevi, “A Novel technique for fusing Multimodal and Multiresolution Brain Images,” 7th International Conference on Advances in Computing and Communications, ICACC 2017, Cochin, India, Aug 22-24, 2017. <https://doi.org/10.1016/j.procs.2017.09.112>.

- Leena Chandrashekar, A. Sreedevi, “Assessment of Non-Linear Filters for MRI Images”, Second IEEE International Conference on Electrical, Computer and Communication Technologies, Feb 22-24, 2017, Awarded Best Paper. Published in IEEE Explorer, DOI: 10.1109/ICECCT.2017.8117852
- Leena Chandrashekar, Leelavathi, Multi Sensor Data Fusion for Robotic Application, at International Conference on Recent Advances in Computer Sciences, Godavari Institute of Technology, Rajahmundry, Andhra Pradesh, March 30, 31 March, 2012.

International Journals

- Leena Chandrashekar, A Sreedevi, “A Nature Inspired algorithm for Enhancement of Fused MRI and CT Brain Images”, Springer, Advances in Intelligent Systems and Computing (AISC Series), 2020.
- Leena Chandrashekar, Sreedevi A, “Multimodal Image Fusion of MRI and CT Images – A New Approach”, Biomedical and Pharmacology Journal, Vol.13, No.3, 2020.
- Leena Chandrashekar, Sreedevi A, “A Two-Stage Multi-Objective Enhancement for Fused Magnetic Resonance Image and Computed Tomography Brain Images,” Journal of Information Systems and Telecommunication (JIST), Vol.8, No.2, April-June 2020. ISSN:2322-1437E-ISSN:2345-2773.
- Leena Chandrashekar, A Sreedevi, “A Multi Objective Enhancement Technique for Poor Contrast Magnetic Resonance Images of Brain Glioblastomas”, Science Direct, Procedia Computer Science Vol.171 (2020), pp.1770–1779. ISSN: 1877-0509.
- Leena Chandrashekar, A Sreedevi, “A Novel technique for fusing Multimodal and Multiresolution Brain Images,” Science Direct, Procedia Computer Science Vol.115 (2017), pp.514-548, ISSN: 1877-0509.
- Leena Chandrashekar, A Sreedevi, “A Hybrid Multimodal Medical Image Fusion Technique for CT and MRI brain images”, IGI Global International Journal of Computer Vision and Image Processing (IJCVIP), Volume 8, Issue 3, September 2018, Pennsylvania, USA. DOI: 10.4018/IJCVIP.2018070101 Pages: 15.
- Leena Chandrashekar, A Sreedevi, “A Multimodal Image Fusion based on Non-Subsampled Contourlet Transform and Sparse Representation”, STM Journal of Image Processing & Pattern Recognition Progress, 2018, Vol.5(2). Pp.12-21, eISSN-2394-1995, doi:10.37591/JoIPPRP.
- Leena Chandrashekar, A Sreedevi “Advances in Biomedical Imaging and Medical Image Fusion”, International Journal of Computer Applications, Volume 179 (24), March 2018. DOI - 10.5120/ijca2018912307.
- Leena Chandrashekar, Characteristics of Sonar Sensors for Short Range Measurement, International Journal of Engineering Research & Technology, ISSN: 2278-0181, Vol.3, Issue 11, November 2014.

Additional Information
(if any)