


Profile

Name of the Faculty	Dr. B. Leelaram Prakash	
Designation	Professor	
Department	Electronics and Communication Engineering	
Area of Interest	Radar and Sonar Signal Processing	
Subjects Taught	ETTL, AWP, MWE, DSP and ADC	
JNTUH Registration Id	5806-180914-144231	
College Staff Code	SC-1349	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	B. Tech	ECE	S. V. H. College of Engineering, Machilipatnam	1988
2	M.S.	Electronics and Control	The Birla Institute of Technology and Science, Pilani	1995
3	M.E.	Electronic Instrumentation	Andhra University College of Engineering, Visakhapatnam	2003
4	PhD	Sonar Signal Processing	Andhra University College of Engineering, Visakhapatnam	2017

Paper Publications:

S. No.	Publication details
1	Published a Research paper entitled “ FFT based implementation of LFM active SONAR ” in the i-manager’s Journal on Digital Signal Processing (JDP) (ISSN: 2321-7480) Vol.2, Issue 3, (July-Sep) 2014, pp: (22-26).
2	Published a Research paper entitled “ Centre frequency selection for active Sonar ” in the i-manager’s Journal on Digital Signal Processing , ISSN:2321-7480, Vol.2, No.4, (Oct-Dec)2014, pp:14-17.
3	Published a Research paper entitled “ Generation of Random NLFM Signals for Radars and Sonars and their Ambiguity Studies ” in the Indian Journal of Science and Technology (IJST) , Vol. 9(29), ISSN: 0974-6486, August 2016. (Scopus).
4	Published a Research paper entitled “ Optimized Lossless Video Compression Analysis using Decoding-Energy Fast Compression ” in the Journal of Advanced Research in Dynamical and Control Systems (JARDCS) , Vol.9, Sp-18/2017. (Scopus).
5	Published a Research paper entitled “ Filter Model for Reduced Side lobes in Pulse Compression Radar ” in the International Journal “WSEAS Transactions on Signal Processing” (308-311) Issue: 4 Volumes: 3, April 2007.
6	Published a Research paper entitled “ Performance Comparison between Gaussian NLFM and Rayleigh NLFM Signals ” in IJEST (International Journal of Engineering Science and Technology) (PP :5907-5913), ISSN:0975-5462 Vol. No.7 July 2011.
7	Published a paper entitled “ Performance and evaluation of Space time Block codes in wide band Channel Capacity in IJSAT (International Journal of Science and Advanced Technology) (PP :253-258), ISSN:(2221-8386) Vol. No.1 6 August 2011.
8	Published a Research paper entitled “ Performance Evaluation of Combination of Gaussian NLFM and Rayleigh NLFM Signals ” in CIIT International Journal of Digital Signal Processing (ISSN 0974-9705) (PP 458-461) Vol.3, No.10, November 2011.
9	Published a Research paper entitled “ Design of Aeronautical Satellite Communication System Using Ray Tracing Modeling Technique ” in International Journal of Engineering Research and Applications (IJERA) (ISSN: 2248-9622) (pp.1179-1183) Vol. 2, Issue 1, (Jan-Feb) 2012.
10	Published a Research paper entitled “ Performance Evaluation of Sonar Signals using Fusion Technique ” in (IJERA) International Journal of Engineering Research and Applications (ISSN: 2248-9622) (PP: 1864-1868) Vol. 2, Issue: 5, September- October 2012.
11	Published a Research paper entitled “ Weight based codes – A binary Channel coding scheme ” in the International Journal of Electronics, Communication and Instrumentation Engineering Research and Development (IJEIERD) (ISSN: 2249-684X) Vol.3, Issue 4, October 2013. pp:(23-26).
12	Published a Research paper entitled “ Design of Modified Spectrum Filter based on Tri-stages Non-Linear Frequency Modulation ” in International Journal of Scientific Engineering and Technology Research (IJSETR -2013) (ISSN:2319-8885) (pp:1898-1903) Vol.02, Issue No.17, November – 2013.
13	Published a Research paper entitled “ Multi-level Wavelet Transformation based 3d-breast Mammographic Image Classification ” in International Journal of Engineering Research & Technology (IJERT) (ISSN: 2278-0181) Vol.2, Issue 12,

	December 2013.
14	Published a Research paper entitled “ Performing various image De-noising techniques for medical images ” in the International Journal of Advanced Research in Computer Science and Management Studies (IJARCSMS) (ISSN: 2347-1778) Vol.2, Issue 1, January 2014.
15	Published a Research paper entitled “ Comparison of skin color detection techniques for face recognition ” in the International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) , Vol.3, Issue 11, November 2014.
16	Published a Research paper entitled “ An efficient SNR estimation Scheme for Secure Communication over Fading Channel ” in the International Journal of Scientific Engineering and Technology Research (IJSETR) , ISSN:2319-8885, Vol.03, Issue.43, Dec.2014, pp:8758-8761.
17	Published a Research paper entitled “ Active Sonar Detection using FFT algorithm in VHDL ” in the SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) , ISSN:2348-8549, Vol.2, Issue.1, Jan.2015.pp:(11-16).
18	Published a Research paper entitled “ Dual band Notch MIMO Antenna with meander slot and DGS for Ultra-Wide band Applications ” in the ARPJ Journal of Engineering and Applied Sciences , ISSN: 1819-6608 Vol.12, No. 15 August 2017(Scopus).
19	Published a Research paper entitled “ Millimeter wave based Micro-strip Yagi - Uda Antenna ” in the International Journal of Pure and applied Mathematics (IJPAM) , ISSN:1311-8080, Vol.115, No.7, 2017. (Scopus).
20	Published a Research paper entitled “ Application of ESPIRIT Algorithm for Seismic Signal Processing ” in the International Journal of Control Theory and Applications , ISSN: 0974-5572 Vol.10, No.35, 2017.
21	Published a Research paper entitled “ Multi signal classification algorithm for processing the earthquake signal ” in the International Journal of Pure and applied Mathematics (IJPAM) , ISSN: 1311-8080, Vol.114, No. 10, 2017. (Scopus).
22	Published a Research paper entitled “ Analysis of Seismic waves using Pisarenko Harmonic Decomposition Algorithm ” in the International Journal of Control Theory and Applications , ISSN: 0974-5572 Vol.10, No.35, 2017.
23	Published a Research paper entitled “ Meta material inspired Tri-Band Antenna with SRR and Shorting Stub ” in the ARPJ Journal of Engineering and Applied Sciences , ISSN:1819-608, Vol.12, No.21, Nov.2017(Scopus).
24	Published a Research paper entitled “ Log-Gaussian Fuzzy C-Means Clustering Algorithm for Skin Lesion Segmentation ” in the International Journal of Advanced Information Science and Technology (IJAIST) , ISSN: 2319:2682, Vol.6, No.11, November 2017. (Scopus).
25	Published a Research paper entitled “ HSV, Edge Preserved and Huffman Coding based Intra Frame High Efficient video Compression for Multimedia Communication ” in the International Journal of Engineering & Technology (IJET) , 7 (3.12) 2018, pp:1090-1095. (Scopus).
26	Published a Research paper entitled “ Implementation of remote medical nursing monitoring system using Arduino ” in the Anveshana's International Journal of Research in Engineering and Applied Sciences (AIJREAS) , Vol:4, ISSN:2455-6300, April 2019 pp: 9-12.

27	Published a Research paper entitled “ Smart Garbage Monitoring and Air Pollution Controlling System ” in the International Journal of Advanced Research in Engineering and Technology (IJARET) , Vol:12 Issue:3, ISSN:0976-6499, March 2021pp:698-703.
28	Published a Research paper entitled “ A General Evaluation of Dermis Sores Identification using MOR-WAVELET Transforms ” in the International Journal of Turkish Journal of Computer and Mathematics Education (TJCME) , Vol:12 No.4(2021), ISSN:1309-4653, April 2021 pp:01-07. (Scopus).
29	Published a Research paper entitled “ Automatic Engine Locking System using GSM Technology ” in the PENSEE International Journal , Vol:51, Issue:07, 2021, ISSN:0031-4773, July2021 pp:104-107.

Books/Book Chapters Published:

S. No.	Publication details
1	Seismic Signal Processing by using Root-MUSIC algorithm in the “Lecture Notes in Electrical Engineering series (LNEE, Vol.71), pp:127-136) in the Proceedings of ICMEET-2017 in “2017 Springer International Publications, AG. Singapore”. (https://doi.org/10.1007/978-981-10-7329-8), (online ISBN 978-981-10-7329-8). https://link.springer.com/content/pdf/bfm%3A978-981-10-7329-8%2F1.pdf .
2	CONVOLUTIONAL NEURAL NETWORKS FOR DERMIS CANCER DETECTION “Proceedings if ICMN” held at Geethanjali College of Engineering and Technology, Hyderabad, December-2019.

Experience:

Teaching	33 years 4 Months
Industry	-
Research	-
Total Experience	33 years 4 Months