

## Profile Page



Name : Dr Bodile Roshan Mukindrao

Designation : Assistant Professor Grade-ii

Department : Electronics and Comm. Engg.

Qualification : Ph.D. Biomedical Signal Processing (NIT Warangal)  
M.E. ECE (Prof. Ram Meghe Institute of Technology & Research, Badnera-Amravati)  
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### Research Interests :

Biomedical Signal Processing, ECG/EEG Denoising, Source localization, Heart and Brain Diseases, Optimization Techniques, Machine Learning.

### Other Profile Links :

#### Google Scholar Link :

Dr. Roshan M. Bodile [Click Here](#)

### Journal Publications :

Year	Journal	Publication
2021	Analog Integr Circ Sig Process, 109, 467–477	Bodile, R.M., Rao, T.V.K.H. Improved complete ensemble empirical mode decomposition with adaptive noise: quasi-oppositional Jaya hybrid algorithm for ECG denoising
2021	Journal of Circuits, Systems and Computers, Vol. 30, No. 12, 2150209	Roshan Bodile and T. V. K. Hanumantha Rao, Adaptive Filtering of Electrocardiogram Signal Using Hybrid Empirical Mode Decomposition-Jaya algorithm
2021	Traitement du Signal Vol. 38, No. 3, pp. 875-881	Roshan M. Bodile and Venkata K.H.R. Talari, Removal of Power-Line Interference from ECG Using Decomposition Methodologies and Kalman Filter Framework: A Comparative Study

### Conference Publications :

Year	Conference	Publication
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2020	2020 5th International Conference on Communication and Electronics Systems (ICCES)	R. M. Bodile and T. V. K. Hanumantha Rao, "ECG Denoising using Cubature Kalman Filter Framework
2020	2020 IEEE India Council International Subsections Conference (INDISCON), Visakhapatnam	R. M. Bodile and T. V. K. Hanumantha Rao, "ECG Denoising Using Cubature Quadrature Kalman Filter Approach
2020	2020 IEEE Bangalore Humanitarian Technology Conference (B-HTC)	V. A. Rangari, K. V. Gopi, U. V. Nanduri and R. Bodile, "ANN based Scaling of Rainfall Data for Urban Flood Simulations

### Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
Book Chapter	Cancellation of 50 and 60 Hz Power-Line Interference from Electrocardiogram Using Square-Root Cubature Kalman Filter	Springer	Bodile, R.M., Hanumantha Rao, T.V.K	978-981-33-6862-0	2021

### Award and Honours :

Title	Activity	Given by	Year
IEEE best paper award	Conference	2020 IEEE Bangalore Humanitarian Technology Conference (BHTC), Vijiyapur, India.	2020