

1. Books authored by faculty in the format

All authors Names	Book Title	Publishers	1 st Publication Year
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2. Patents obtained by faculty in the format

Name of persons who hold the patent	Class/Category	Title	Patent No.	Year
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3. Publications of faculty that have appeared in top ranking journal as per JCR-Clarivate i.e., as per the impact factors received by journals in JCR-2020 in the format

Author Names	Title of the Paper	Journal Name	Yr of Publication	If as per JCR-2020
D.V.A.N.Ravi Kumar	“ Hybrid Unscented Kalman Filter with Rare features for Underwater Target tracking using Passive Sonar Measurements”	Optik	Jan.2021	2.187
D.V.A.N.Ravi Kumar	“Conditioned Measurement Fused Estimate Unscented Kalman Filter for Underwater Target Tracking	Applied Acoustics	Nov.2020	2.440

	using Acoustic signals captured by Towed Array”			
B.P.V. Dileep, Pranab K. Dutta, P.M.K. Prasad, M. Santhosh	“Sparse recovery based compressive sensing algorithms for diffuse optical tomography”	Optics and Laser Technology-Elsevier	Mar,2020	3.233
D.V.A.N.Ravi Kumar, S.Koteswara Rao and K.Padma Raju,	“A Novel Estimation algorithm for torpedo tracking in undersea environment”	Journal of Central South University,	April 2019	1.249
D.V.A.N.Ravi Kumar, S.Koteswara Rao and K.Padma Raju,	“Estimate Merge Technique Based Algorithms to Track an Underwater Moving Target using Towed Array’s Bearing-Only Measurements”	Sadhana-Academy proceedings in engineering sciences	Sept,2017	0.849
D.V.A.N.Ravi Kumar, S.Koteswara Rao and K.Padma Raju,	"A Novel Stochastic Estimator using Pre-Processing Technique for	Optik,	May,2016	2.187

	Long Range Target Tracking in heavy Noise Environment",			
D.V.A.N.Ravi Kumar, S.Koteswara Rao and K.Padma Raju,	“Integrated Unscented Kalman filter for underwater passive target tracking with towed array measurements”,	Optik,	March,2016	2.187

NON JCR

Author Names	Title of the Paper	Journal Name	Yr of Publication	If as per JCR-2020
D.V.A.N.Ravi Kumar	“Conditioned Measurement Fused Estimate Unscented Kalman Filter for Underwater Target Tracking using Acoustic signals captured by Towed Array”,	Applied Acoustics, vol.174,pp.107742,Mar.2021. Publisher: Elsevier, Indexing:SCI,Scopus, Google Scholar	Nov.2020	2.440
D.V.A.N.Ravi Kumar	“ Hybrid Unscented Kalman Filter with Rare features for Underwater Target tracking using Passive Sonar Measurements”	Optik, Vol.226,No.1,pp.1-13,Jan. 2021.	Oct.2020.	2.187
P. Sirish Kumar, V.B.S. Dutt & Ganesh Laveti	“Performance evaluation of suitable navigation algorithm using raw measurements taken from stationary GPS receiver”	Materials Today: Proceedings, Volume 33, Part 7, Pages 3366-3371, 2020. DOI: https://doi.org/10.1016/j.matpr	July 2020.	

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P.Sirish Kumar, V.B.S. Srilatha Indira Dutt, Ganesh Laveti	“A novel kinematic positioning algorithm for GPS applications in urban canyons”	Material Today: proceedings , Volume 33, Part 7, Pages 3359-3365, 2020. DOI: https://doi.org/10.1016/j.matpr.2020.05.165 . (ELSEVIER, Scopus Indexed)	July 2020.	
NVSV Vijaya Kumar , K. Raja Rajeswari , P. Rajesh Kumar	A Novel Extended Cyclic MUSIC algorithm using Wavelet Decomposition Technique	International Journal of Innovative Science and Modern Engineering (IJISME)	July 2020.	
Ms. Ch. Sirisha ,Ms. Y. Yagyna Sree,Ms. R. Vyshnavi , Ms. Y. Bhavani and Ms. P. Niharika	Modified VLSI Architecture for Energy Detector in Spectrum Sensing	International Journal of Modern Electronics and Communication Engineering (IJMECE)	July 2020	
P. Sirish Kumar,V. B. S. Srilatha Indira Dutt and L. Ganesh	Implementation of new navigation algorithm based on cross-correntropy for precise positioning in low latitude regions of South India	International Journal of Speech Technology	June,2020	
NVSV Vijaya Kumar , K. Raja Rajeswari , P. Rajesh Kumar	DOA Estimation of Wideband Cyclic MUSIC Algorithm under Rayleigh Fading Environment in MIMO Systems	International Journal of Recent Technology and Engineering (IJRTE)	May,2020	
Dr.Guntu Nooka Raju, Dr.P.M.K.Prasad , Bethapudi Ratnakanth	Carrier frequency offset(CFO) Estimation in MC-CDMA System	International Journal of Advanced Science and Technology	May,2020	
B.P.V. Dileep , Pranab K. Dutta, P.M.K. Prasad , M. Santhosh	Sparse recovery based compressive sensing algorithms for diffuse optical tomography	Optics and Laser Technology-Elsevier	mar.,2020	3.233
Dr.P.M.K.Prasad , Dr.Y.Raghavender Rao, Dr.Karri Chiranjeevi	Contrast Enhancement of Satellite Images Based on Lifting Haar Wavelet Transform And Singular Value Decomposition	International Journal of Emerging Trends in Engineering Research	March, 2020	
Guntu Nooka Raju, Srinivasa	“Multiuser Detection and Channel Estimation for CDMA	International Journal of Innovative Technology and	Feb.,2020	

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Guntu Nooka Raju, Muddapu V Tirupathamma, K Srinivasa Rao	Multiusers Detection using NOMA Technique in FD-MC-CDMA System in Fading Channels	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-2, December 2019, 3247, SCOPUS Indexed, DOI: 10.35940/ijitee.B7774.129219	Dec,2019	
P. Sirish Kumar, L. Ganesh, Ashok Kumar. N, V.B.S Srilatha Indira Dutt	GPS Receiver Position Interpretation using Single Point PVT Estimation Algorithm	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Dec,2019	
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