



ARMY INSTITUTE OF TECHNOLOGY
 Dighi Hills, Alandi Road, Pune 411 015
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
R&D Data Academic Year 2017-18



• **Publications (Journal): Academic Year (June 2017 – May 2018)**

Sr. No	Name of Authors	Title of Paper	Name of Journal	National/ International	ISSN NO.	Vol/ Issue No.	Page No.	Date/ Year	Indexing Scopus/SCI/S CIE/WOS/UGC Approved/ Other
1	Dr. B P Patil	Adaptive Routing Based on Predictive Reinforcement Learning	International Journal of Computers and Applications	International	Print ISSN: 1206-212X Online ISSN: 1925-7074	Vol. 39(4)	73-81	7 Nov 2017	Scopus
		Dual Reinforcement Q Routing for Ad Hoc Networks	Indonesian Journal of Electrical Engineering and Computer Science (IJEECS)	International	ISSN No : 2502-4760	Vol. 7(3)	786-794	Sept 2017	Scopus
		Routing Protocols for Mobile Ad Hoc Network: A Survey and Analysis	Indonesian Journal of Electrical Engineering and Computer Science (IJEECS)	International	ISSN No : 2502-4760	Vol. 7(3)	795-801	Sept 2017	Scopus
		Learning Based Route Management in Mobile Ad Hoc Networks	Indonesian Journal of Electrical Engineering and Computer Science (IJEECS)	International	ISSN No : 2502-4760	Vol. 7(3)	718-723	Sept 2017	Scopus
		Maximizing Throughput using Adaptive Routing Based on Reinforcement Learning	Int. J. Advanced Networking and Applications	International	ISSN: 0975-0290	Vol. 9 Issue 2	3391-3395	2017	UGC approved
		Flexible and Scalable Routing Approach for Mobile Ad Hoc Networks Based on Reinforcement Learning	International Research Journal of Engineering and Technology (IRJET)	International	ISSN 0974-3154	Vol. 4 Issue 6	1839-1842	June 2017	-
		Uncoded 8 X 8 MIMO Systems with ZF and V-BLAST with ZF Detection	International Journal of Electronics, Electrical and Computational System IJEECS	International	ISSN 2348-117X	Vol. 6, Issue 6	385-390	June 2017	UGC approved
2	Dr. G. R. Patil	A Joint Channel Estimation & Data Detection for a MIMO Wireless Communication	International Journal - Journal of Information Processing	International	1976-913X	Vol 13 No.4	1029-1042	Aug 2017	ESCI (a new Web of Science index of



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		System Via Sphere Decoding	Systems						Thomson Reuters), SCOPUS
3	Dr. Surekha KS	Hybrid Compression Technique Using Linear Predictive Coding For Electrocardiogram Signals	IJETSR	International	2394-3386	Vol.4 No. 6	497-500	June 2017	UGC
4	Dr. Surekha KS Dr. B P Patil	ECG Signal Compression using Parallel and Cascade method for QRS complex	Indian journal of Science & Technology	National	0974-6846	Vol 11 No. 1	1-6	Jan 2018	Web of Science indexed
5	Dr. P B Karandikar	Insulation Assessment of Oil Impregnated Paper Condenser Bushing Using Die-electric Frequency Response Technique	IJST National Journal	National	0974-6846	Vol 10	21	June 2017	Web of Science
6	Mrs. Renuka Bhandari	Blind Channel Estimation Using Novel Independent Component Analysis With Pulse Shaping for Interference Cancellation	International Journal Springer's series - Studies in Computational Intelligence	International	1860-949X	Vol 722	45-57	June 2017	Scopus
7	Ms. R Suryawanshi	Uncoded 8X8 MIMO Systems with ZF and V-Blast with ZF Detection	IJEECS	International	2348-117X	Vol 5 Issue 9	385-390	June 2017	UGC

● **Publications (Conference): Academic Year (June 2017 – May 2018)**

Sr. No.	Name of Authors	Title of Paper	Name of Conference	Local Level/State Level/National/ International	ISBN	Page No.	Date/Year of Conference	Indexing If Any
1	Dr. B P Patil	Tree based distributed clustering routing scheme for energy efficiency in wireless sensor networks	2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI) held at Chennai, India	International		2450 - 2456	21-22 Sept. 2017	



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2	Dr. Surekha KS	Real Time DSP Based ECG Acquisition & transmission Using CUDA Based Compression	Regional Conference Innovation 2017	State Level			Nov 2017	
3	Mr. JB Jawale Mr. K. Vijay Kumar	Multimodal Biometric Security System for Solar Panel Cleaning Bot using Human Identification	ICCUBEA 2017	International			17-18th Aug 2017	
4	Mr. JB Jawale	Android Based Multilevel Biometric Security System For Industrial Application	ICCUBEA 2017	International			17-18th Aug 2017	
5	Mr. K. Vijay Kumar	Cost Effective Solution for Solar Panel Cleaning System	Regional Conference Innovation 2017	State Level				
6	Dr. Renuka Bhandari	Blind Channel Estimation Using Novel ICA with Pulse Shaping for Interference Cancellation	IEEE Conference SERA, 2017 University of Greenwich, London UK	International			7-9 June 2017	
7	Mr Avinash Patil	Equation o straight line passing through two given points on reconfigurable hardware logic.	International Conference on electrical electronics computer mechanical communication computing.	International			29 Jan 2018	
8	Dr. S. D. Oza	CUDA Based Fast Bilateral Filter for Medical Imaging.	International Conf. SPIN 2018	International	10.1109/SPIN 2018.8474236	930-935	22-23 Feb 2018	Scopus
9	Dr. S. D. Oza	GPU Based Denoising Filter for Knee MRI	International Conf. ISMAC-IOT, Social, Mobile, Analytics & Cloud	International	10.1007/978-3-030-00665-5	1845-1855	16-17 May 2018	Scopus
10	Ms. R. Suryawanshi	Uncoded 8X8 MIMO Systems with ZF and V-Blast with ZF Detection	International Conf. ICAEASM-2017	International	978-81-934083-4-6	620-625	18th June 2017 IJEECS ISSN	--
11	Dr. Harjeet Kaur	Lane Order Maintenance System	International Conf.(ICOEI2018)	International			11-12 May 2018	
		Navigation System using Light	International	International			11-12 May	



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		Fidelity	Conf.(ICOEI2018)				2018	

• **Book Article/ Chapter published: Academic Year (June 2017 – May 2018)**

SR. NO.	NAME AUTHORS	TITLE OF CHAPTER/ARTICLE	NAME OF BOOK	ISBN	NATIONAL /INTERNATIONAL	VOL	PAGE NO.	PUBLISHER DETAILS	DATE/YEAR
1	Ms. S. D. Oza	MRI Denoising for Healthcare in Biomedical Signal & Image Processing	Patient Health Care	9781522528296	International		65-85	IJI Global	Aug 2017

• **Book published: Academic Year (June 2017 – May 2018)**

Sr. No.	Name of authors	Name of book	ISBN	Local /National /International	Publisher details	Edition	Date/Year
1	Dr. G. R. Patil	Digital Communication	978-5164-135-3	Local	Nirali Prakashan	First	2017
		Information Theory, coding and communication Network	978-93-87397-56-9	Local	Nirali Prakashan	First	Jan 2018