



# ARMY INSTITUTE OF TECHNOLOGY

Dighi Hills, Alandi Road, Pune 411 015

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING**

**STAFF ACTIVITY (A.Y. 2022-23)**



## 1. Publications (Journal): Academic Year (1 July 2022 to 30 June 2023)

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/SC IE/WOS/UGC Approved/ Other	h-Index of Journal	R&D Sr No Map
1.1.1	Dr. G. R. Patil	Study And Analysis Of Online And Hybrid Mode Learning Of An Engineering Course Conducted During COVID-19 Pandemic	Journal of Positive School Psychology	International	2717-7564	Vol. 6 No. 7	5586 - 5597	2022	-	-	1.4
1.2.1	Dr. Surekha K S	DSP based portable ECG monitoring system.	Computer Integrated Manufacturing System	International	1006-5911	vol 29, no 4.	279 - 287	30 Apr 2023	Scopus	38	1.11
1.3.1	Prabhakar N. Kota(Ext.), Ashok S. Chandak(Ext.), <b>Dr. B. P. Patil</b>	IOT-HML: A hybrid machine learning technique for IoT enabled industrial monitoring and control system	Concurrency and Computation: Practice and Experience	International	1532-0634	Vol. 35, Issue 3	1-21	Jan 2023	SCI	75	1.7
1.3.2	Satyashil D. Nagarale(Ext.), <b>Dr. B. P. Patil</b>	Accelerating AI-based battery management system's SOC & SOH on FPGA	Applied Computational Intelligence and Soft Computing	International	1687-9724	Vol 2023	1-18	05 Jun 2023	Scopus ESCI	17	1.13
1.4.1	Meghna Bhosale (Ext.), <b>Dr. Parashuram B. Karandikar,</b> Vispi Karkaria (Ext.), Neelima R. Kulkarni (Ext.).	A Novel Approach For Grounding Resistance Estimation.	Indonesian Journal of Electrical Engineering and Computer Science.	International	ISSN: 2502-4752, DOI: 10.11591/ijeecs.v27.i2.pp583-591	Vol. 27, No. 2,	583- 591	Aug 2022	Scopus	23	1.2
1.5.1	<b>Dr. Rajashree Suryawanshi,</b> P. Kavipriya (Ext.), <b>Dr. B. P. Patil.</b>	Performance Analysis of a Novel Optimal Antenna Selection Algorithm for Large MIMO.	International Journal of Swarm Intelligence Research.	International	ISSN: 1947-9263, eISSN: 1947- 9271	Vol.13, Issue.1	19	Jul 2022	Scopus / WoS / ESCI	04	1.1
1.6.1	Dr.Preeti Warriar, Dr. Pritesh Shah (Ext).	Design of an Optimal Fractional Complex Order PID Controller for Buck Converter	Journal of Robotics and Control (JRC)	International	ISSN: 2715-5072	Vol. 4, Issue 3.	243- 262	May 2023	Scopus	-	1.12



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1.7.1	Mr. J.D.Patil, Mr. B.S.Gawali (Ext.), Mr. U.V. Awasarmol, <b>Mr. Girish Kapse</b> , Mr. Shivam R Patil (Ext.).	Experimental Investigation of Rectangular Mini Channel Array As An Effective Tool For Energy Efficient Cooling of Electronic Gadgets.	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. (Taylor & Francis Online)	International	15567036	Vol. 45, Issue 1	3154 - 3169	27 Mar 2023	SCI	49	1.8
1.8.1	Prof. Sharayu Lokhande, Udit Chaudhary, Akash Singh, Pranay Gaikwad, Himanshu Guleria, <b>Prof Shilpa Pawar.</b>	Automated Subjective Answer Evaluation System.	Journal Of Algebraic Statistics.	International	ISSN: 1309- 3452	Volume 13, No. 3	1108 - 1113	2022	-	-	1.3
1.8.2	Rupali Bagate, Aparna Joshi, <b>Shilpa Pawar</b> , Yogita Hambir, Sharayu Lokhande	Movie Recommendation Using Clustering and Nearest Neighbor.	International Journal of Next-Generation Computing	International	Online ISSN: 0976- 5034	Vol. 13, No. 3.	657- 667	Oct 2022.	-	-	1.6
1.9.1	Ms. Dhanashri Patil, Dr. Sangita Jadhav.	Road Segmentation in High- Resolution Images Using Deep Residual Networks	Engineering, Technology & Applied Science Research	International	<a href="https://doi.org/10.48084/etasr.5247">https://doi.or g/10.48084/e tasr.5247</a>	Vol. 12, No. 6,	9654 - 9660	Online : 16 Oct 2022	WoS	-	1.5
1.10.1	Ms. Pragati Rana Dr. B. P. Patil	Cyber Security Threats in IoT. A Review	Journal of High Speed Network	International	0926-6801	29 (2)	105- 120	5 Mar 2023	Scopus /ESCI	21	1.9
1.10.2	Ms. Pragati Rana Dr. B. P. Patil	Cyber Security Threats Detection And Protection Using Machine Learning Techniques in IoT.	Journal of Theoretical and Applied Information Technology	International	ISSN: 1992- 8645 E-ISSN: 1817-3195	Vol.101 . No 7	2526 - 2539	15 Apr 2023.	Scopus	32	1.10

**Note :** SCI – Scimago Citation Index (Refer Web link - <https://www.scimagojr.com>)

JCR – Joint Citation Report (Search on google for JCR report for year of publication)



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## 2. Publications (Conference): Academic Year (1 July 2022 to 30 June 2023)

Sr. No.	Name of Authors	Title of Paper	Name of Conference	Level Local /State/National/ International	ISBN	Page No.	Date/Year of Conference	Presented (Y/N)	Indexing If Any
2.1.1	<b>Shilpa D. Pawar,</b> Shipra Wallis, Priyanka Singha , Divya Singh	Deep Learning Watershed Algorithm to Calculate Cardiac Stroke Volume of The Left Ventricle for the Analysis to Detect Person Suffering from Cardiac Vascular Diseases using Cardiac MRI Data.	Innovations and Research in Marine Electrical and Electronics Engineering AIP Conference Proceedings, 2022.	International	978-0-7354-4203-0	Volume 2455, Issue 1  030003-1 030003-5	2022	Y	Scopus
2.1.2	<b>Shilpa D. Pawar,</b> Ayush Tiwari, Abhishek Kumar Singh, Anubhav Banerjee, Sharayu Lokhande, Rupali Amit Bagate.	Remote Health Monitoring System using Secure Communication Techniques	3rd International Conference on Intelligent Technologies (CONIT)	International	979-8-3503-3860-7	1-5	23 Jun - 25 Jun 2023	Y	-



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### 3. Book Article/ Chapter published: Academic Year (1 July 2022 to 30 June 2023)

Sr. No.	Name of Authors	Title of Chapter/Article	Name of book	ISBN	National /International	Vol	Page no.	Publisher Details	Date /Year
NIL									

### 4. Book Published: Academic Year (1 July 2022 to 30 June 2023)

Sr. No.	Name of Authors	Name of Book	ISBN	Local /National /International	Publisher Details	Edition	Date/Year
4.1.1	Dr. R.C.Jaiswal (Ext.), Dr. G.R.Patil	Analog Communication	978-93-5451-837-9	National	Nirali Publicaion	First	Nov-2022
4.1.2	Dr. G.R.Patil	Digital Communication & Information Theory	978-93-5451-876-8	National	Nirali Publicaion	First	Jan -2023
4.2.2	Dr.Raj Kishor Prasad (Ext.), <b>Dr. Avinash Patil</b>	Digital System Design	978-93-5451-943-7	National	Nirali Publication	First	Jan-2023

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