

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION****• Publications (Journal): Academic Year (1 July 2021 to 30 June 2022)**

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.	Mrs. Preeti Warriar Mr. Pritesh Shah (Ext.)	Optimal Fractional PID Controller for Buck Converter Using Cohort Intelligent Algorithm	Applied System Innovation. 2021	International	https://doi.org/10.3390/asi4030050	Volume 4, Issue 3	50	4 th Aug 2021	Scopus and ESCI
2.	Dr. K. S. Surekha Dr. B. P. Patil, Ranjeet Kumar(Ext.), Davinder Pal Sharma(Ext.).	Multiscale BSBL Compressed Sensing Based ECG Signal Compression with Encoding For Telemedicine	Biomedical Engineering: Applications, Basis and Communications (World Scientific)	International	Print: 1016-2372 Online: 1793-7132	Vol 33, Issue 05	2150-034	Oct 2021	Scopus ESCI
3.	Vispi Karkaria (Ext.), K Pradeep (Ext.), T Rohith Kumar (Ext.), Dr.P B Karandikar Farrokh Mistree (Ext.), Janet K Allen (Ext.).	Statistical Analysis of Electrode-Electrolyte-separator to Improve Effectiveness Of Supercapacitor.	Turkish Journal of Computer and Mathematics Education	International	e-ISSN 1309-4653	Vol.12 No.14	1600 – 1606	2021	Scopus
4.	Dr. Renuka Bhandari, Sneha Choudhary, Shubhangini Pandey, Sarini Khasnavis.	Car Pollution Monitoring System Using IOT.	GIS Science Journal	International	ISSN NO : 1869-9391	Vol 9, Issue 5	488-499	May 2022	Scopus, UGC Care Group - II Approved
5.	Dr. Manohar K. Kodmelwar (Ext.), Dr. Pravin R. Futane (Ext.), Mrs. Shilpa Pawar, Mrs. Sharayu A. Lokhade, Mr. Sudhir P. Dhanure (Ext.).	A Comparative Study of Software Development Waterfall, Spiral & Agile Methodology.	Journal of Positive School Psychology, 2022.	International	ISSN : 2717-7564	Vol. 6, No. 3	7013 – 7017	May 2022	Scopus
6.	Dr. Seema H. Rajput (Ext.), Dr. Harjeet Kaur, Swati Shetkar(Ext.). Dr. Sanjay Koli (Ext.), Dr. Sunil L. Bangare (Ext.), Dr. Pushpa M. Bangare (Ext.).	Systematic Approach to find effect of clock skew in the performance of Physical CMOS Design in deep submicron technologies	Stochastics Modelling & Applications	International	ISSN : 0972-3641	Vol. 26, No 3.	559-563	June 2022	UGC Care

**• Publications (Conference): Academic Year (1 July 2021 to 30 June 2022)**

Sr. No.	Name of Authors	Title of Paper	Name of Conference	Local Level/State Level/National/International	ISBN	Page No.	Date/Year of Conference	Presented (Y/N)	Indexing If Any
1.	Rajlaxmi Darekar (Ext.), Neha Gawande(Ext.), Vispi Karkaria(Ext.), Dr. P.B.Karandikar	Analysis of critical issues in retrofitting of ICE Vehicles	2 nd International Conference on Advances in Physical Sciences and Materials (ICAPSM 2021)	International	doi:10.1088/1742-6596/2070/1/012151	012151	12 th Aug -13 th Aug 2021	Y	-
2.	Sourabh Rakesh Shinde (Ext.), Taukir Momin(Ext.), Vispi Karkaria (Ext.), Dr. P.B.Karandikar	Polypropylene as Innovative Substance for Manufacturing of Horizontal Axis, Multi-Jar Ball Milling Machine to Grind Electrode Materials for Energy Storage Devices.	3 rd International Conference on Design and Manufacturing aspects for Sustainable Energy- 2021.at GRIET, Hyderabad.	International	https://doi.org/10.1051/e3sconf/202130	01098	24 th Sept – 26 th Sept 2021.	Y	-
3.	Abhay Khonje (Ext.), Dr. B. P. Patil	Review Paper for Comparison of Different Wireless Power Transfer System for Electric Vehicles	Future Challenges in Data Science and Engineering for Global Sustainability - FCDSEGS-2021	International	978-93-91355-10-4	281-284	7 th -8 th Oct 2021	Y	-
4.	Rushabh Singh, Anjali Kushwah, Mrs. Preeti Warriar, Dr. S.D.Oza.	Wireless Surveillance Robot for Industrial Application	3 rd International Conference On Machine Learning, Image Processing, Network Security and Data Science (MIND-2021)	International	-	-	11 th -12 th Dec 2021	Y	Scopus
5.	Satyashil D. Nagarale, (Ext.), Dr. B. P. Patil	RTL Verification and FPGA Implementation of Generalized Neural Networks: A High-Level Synthesis Approach	3 rd International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2022)	International	-	1-15	27-28 Jan 2022	Y	
6.	Mrs. Shilpa Pawar	A Comparative Study of Software Development Waterfall Spiral & Agile Methods	2 nd International Conference on Engineering, Social-	International	-	4	30 th -31 st March 2022	Y	-

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Sr. No.	Name of Authors	Title of Paper	Name of Conference	Local Level/State Level/National/International	ISBN	Page No.	Date/Year of Conference	Presented (Y/N)	Indexing If Any
			Sciences, And Humanities (IC-ESSU)						
7.	Abhay Khonje (Ext.), Dr. B. P. Patil	A brief review on electric vehicle dynamic wireless power transfer system prospects to enhance the coupling mechanism	IEEE I2CT 2022	International	-	-	7-9 April 2022	Y	-
8.	Dr. Surekha K.S.	Removing Background Noise in Text/ Graphics Image.	Multidisciplinary Conference on Research, Tech & Engg.	International	-	-	7 th April 2022	Y	-
9.	Dr. G. R. Patil, Amar Barik, Saumakant Khatua, Abhishek Rana.	Data Logging and Analysis in UAV Assisted IoT Network	International Conference on Trends in Engineering, Applied Science and Management (IC-TEAM 2022)	International	-	-	8 th -9 th April 2022	Y	-
10.	Dr. Sharaddha Oza	"Indian Startup Ecosystem - A Way Forward for Young Entrepreneurs"	SEE CONFERENCE 2021 Online Conference on contemporary Entrepreneurship and Startup Culture	National	-	-	11 th & 12 th Nov 2021	Y	-
11.	Ms. Dhanashri Patil Dr. Sangita Jadhav	Road Detection from High Resolution Image using Fully Convolution Network	National Conference on Communication, Computational Intelligence and Learning-2021.	National	-	-	12th Jan -13th Jan 2022	Y	-
12.	Pranjal Gajendragadkar (Ext), Seema Rajaput (Ext), Dr. Harjeet Kaur	Artificial Intelligence Based Virtual Voice Assistant	National Conference on Communication, Computational Intelligence and Learning-2021.	National	-	-	12th Jan -13th Jan 2022	Y	-

**• Book Article/ Chapter published: Academic Year (1 July 2021 to 30 June 2022)**

Sr. No.	Name of Authors	Title of Chapter/Article	Name of book	ISBN	National /International	Vol	Page no.	Publisher Details	Date /Year
1.	Dr. Surekha K.S.	WBC Disease Prediction using Neural Network Classifier	Emerging Trends in Engineering and Technology	978-93-93502-97-1	International	Vol - 5	-	Integrated Publications	6 th April 2022

• Book Published: Academic Year (1 July 2021 to 30 June 2021)

Sr. No.	Name of Authors	Name of Book	ISBN	Local /National /International	Publisher Details	Edition	Date/Year
1.	Dr. G.R. Patil	Digital Communication	935451340-9	SPPU	Nirali Prakashan, Pune	First	Sept-2021
		Cellular Network	978-93-5451-557-6	SPPU	Nirali Prakashan, Pune	First	Feb -2022

• List of patent/copyright: Academic Year (1 July 2021 to 30 June 2022)

Sr. No.	Name of Inventors	Title	National/ International	Application No.	Date of Filing	Date of Publication	Date of Grant/Award
1.	Satyashil Dasharath Nagarale (Ext.), Dr. B P Patil	AI based predictive Battery Management System for E-Mobility	National	17872/2021-CO/L (Copyright)	2 nd Aug 2021	-	-
2.	Abhay Khonje (Ext.), Dr. B P Patil	Investigate And Develop Analytic Approach To Enhance The Performance Of Electric Vehicle By Coordinated Dynamic Charging Of Method	National	L-112572/2022 (Copyright)	24 th Dec 2021	-	-
3.	Mr. D. Saravanan (Ext.), Mr. Girish Prabhu Kapse Dr. V.Tamizhazhagan (Ext.), Dr. V. Elizabeth Jesi (Ext.), Dr. D. Stalin David(Ext.), Dr. Hrituparna Paul (Ext.), Ms. Swati Kale (Ext.), Dr. D. Pradeep (Ext.), Dr. P. Ramya (Ext.).	Child Education Monitoring System Using Internet Of Things.	National	202241004314 (Patent)	25 th Jan 2022	4 th Feb 2022	-



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Sr. No.	Name of Inventors	Title	National/ International	Application No.	Date of Filing	Date of Publication	Date of Grant/Award
4.	Dr. Pravin R. Futane (Ext.), Dr. Manohar K. Kodmelwar (Ext.), Mr. Sudhir P. Dhanure (Ext.), Mrs. Shilpa Pawar, Mrs. Sharayu A. Lokhade.	Digit Classification and Dataset Using Machin Learning.	National	202221007535 (Patent)	12 th Feb 2022	-	-
5.	Mrs. Shilpa Pawar. Mr. Bharat S. Ms. C. Khushi. Ms. P Divya Bharti	IOT Based Asset Tracking and Automobile Safety System	National	202221021209 (Patent)	8 th April 2022	-	-

• **Funded projects: Academic Year (1 July 2021 to 30 June 2022)**

Sr. No.	Name of Faculty	Title	State/ National/ International	Funding Agency	Amount Received	Year	Status (Completed/Ongoing)
NIL							

• **PhD Awarded / Guided: Academic Year (1 July 2021 to 30 June 2022)**

Sr. No.	Name of Student	Title of Thesis	Name of University	Name of Guide / Co-guide	Month/ Year of Completion
1.	Dr.Sushma Patil	Hardware Accelerators for RISC in Multimedia Application. (PhD Awarded)	SPPU	Dr. D.S. Bormane	1 st July 2021
2.	Dr. Avinash Patil	Vedic Mathematics based hardware optimization for various mathematic. (PhD Awarded)	SPPU	Dr. Mrs. S.C.Patil	1 st Feb 2022

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