

Table 5.11: Summary of Publications

S. no	Academic year	SCI/Wos/Scopus	Int/Nat conference	Journals Publications	Book Chapter	Copyright	Patent filed	Patent grant	Total Number of Publications
1	2022-23	3*	1		1		2		07
2	2021-22	2	10	20	1	7			40
3	2020-21	1	3	13	2	6		2	29
4	2019-20	-	2	17	-	-	-		19
5	2018-19	-	02	26	-	-	-		28

Details of publication of department are available at

<https://dypiemr.irins.org/faculty/index/Department+of+Electronics+and+TelecommunicationEngineering>

Table 5.12: Citation Details of faculty

Sr. No.	Name of the faculty	Citations	h Index	i10 Index
1	Dr A.V Patil	13	2	-
2	Dr Priya Charles	39	3	1
3	Dr Ajay Paithane	186	8	8
4	Mrs Lakshmipraba Balaji	3	-	-
5	Mrs Sandhya Shinde	16	2	-
6	Mrs D.N.Hire	9	2	-
7	Mrs Shweta Suryawanshi	4	-	-

scholar.google.com/citations?user=vPkbNig0AAAJ&hl=en&authuser=5

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REVIEW

Add photo
Complete your profile.
ADD

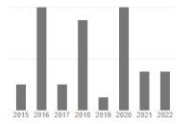
 **Arokia Priya Charles** 
professor
No verified email
digital image processing visi

☐ TITLE   CITED BY YEAR

- ☐ Detecting moving object using background subtraction algorithm in FPGA
P. Gujrathi, RA Priya, P. Malathi
2014 Fourth International Conference on Advances in Computing and ...
18 2014
- ☐ Review on 2D-to-3D image and video conversion methods
S. Patel, P. Charles
2015 International Conference on Computing Communication Control and ...
7 2015
- ☐ Dual tree wavelet transforms in image compression
R. Arokia Priya, SP. Narots, AV. Patel
Int. J. Eng. Sci. Res. (IJESR) 1 (1), 223-234
7 2011
- ☐ An efficient universal multi-mode floating point multiplier using Vedic mathematics
NS. Mangalath, RA. Priya, P. Malathi
2014 International Conference on Advances in Communication and Computing ...
3 2014
- ☐ Universal Floating Point Multiplier using Vedic Mathematics
NS. Mangalath, RA. Priya
International Journal 2 (10)
2 2014
- ☐ Loading of soft core processor using soft core UART at run time
PB. Bhui, RA. Priya, P. Malathi
2014 International Conference on Advances in Engineering & Technology ...
2 2014
- ☐ Local Stereo Parametric Methods of Disparity Computation using GPU
PCDMM/ Patel
International Journal on Emerging Technologies (Special Issue on NCRIET-2016 ...
2016
- ☐ Designing customized MIPS soft-core and configuring it at run time
PB. Bhui, RA. Priya, P. Malathi
2014

Cited by VIEW ALL

	All	Since 2018
Citations	39	24
h-index	3	3
i10-index	1	1



Co-authors EDIT

-  **P. Malathi**
Professor
-  **Dr. Sandipann P. Narots**
Head, Government Polytechnic, ...

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Figure 5.7.1: Google Scholar

Table 5.13: AY2022-23 Scopus Journal Detail

S r n o	Title of paper	Na me of Aut hor	Journal Name(D on't write short form of journal name) (Nation al and Internat ional)	Month and Year of public ation	Vol ume and Issu e	pag e nos	UGC/Scop us/WoS indexed	Paper LINK
1	RS Invarian t Image Classific ation and Retrieva l with Pre trained Deep Learnin g Models	Mrs. D. N. Hire	(IJACS A) Internati onal Journal of Advance d Compute r Science and Applicat ions	July 2022	Vol. 13, Issu e:6	413- 417	WoS, Scopus, E- SCI	https://dx.doi.org/10.14569/IJACSA.2022.0130651
2	Geometr ically transfor med image retrieval with transfer learning	Mrs. D. N. Hire	Internati onal Journal of Health Sciences	June 2022	Vol: 6, Issu e: S2	112 44– 112 54	Scopus	https://doi.org/10.53730/ijhs.v6nS2.8024

AY2022-23 Journal Detail

Sr no	Title of paper	Name of Author	Journal Name(Don't write short form of journal name) (National and International)	Month and Year of publication	volume and Issue	page nos	ISSN Number	Impact Factor
1	A Literature Survey on Automated Cargo Tracking System	Arokia Priya Charles	International Journal for Research in Applied science and Engineering Technology	May 2022	Volume 10, Issue V	1300-1302	ISSN: 2321-9653	7.538
2	A Literature Survey on Smart Agriculture Monitoring and Control System Using IOT”,	Arokia Priya Charles	International Journal for Research in Applied science and Engineering Technology	Feb 2022	Volume 10, Issue II	1287-1290.	ISSN: 2321-9653;	7.538
3	A Survey Based on Intelligent Attendance Authorisation System”,	Arokia Priya Charles	GRADIVA REVIEW JOURNAL	November 2022,	Volume 8, Issue 11	625 - 631	ISSN NO: 0363-8057	6.1
4	An optimised battery management system for E Bicycles	Arokia Priya Charles	GRADIVA REVIEW JOURNAL	November 2022,	Volume 8, Issue 11	696 - 700	ISSN NO: 0363-8057	6.1
5	A Review on Gesture Control Mouse and Keyboard	Arokia Priya Charles	GRADIVA REVIEW JOURNAL	November 2022,	Volume 8, Issue 11	287-297	ISSN NO: 0363-8057	6.1
1	A survey based on Lab Automation system using	Dr. Neeru Malik	Gradiva review journal	April, 2022	Volume 8, issue 4		0363-8057	6.1

	Internet of things							
2	Artificial Intelligence shaping the future of metaverse	Dr. Neeru Malik	Gradiva review journal	December, 2022	Volume 8, issue 12	426-430	0363-8057	6.1
3	Biometric Attendance System: A Review	Mrs. D. N. Hire	Gradiva review journal	December, 2022	Volume 8, issue 12	8-13	0363-8057	6.1
4	A Literature Survey on E-Bicycle	Mrs. D. N. Hire	Gradiva review journal	December, 2022	Volume 8, issue 12	515-519	0363-8057	6.1
5	Survey on Tubeless Tyre Pressure Detection Indicator	Mrs. D. N. Hire	Journal of Electronics Information Technology Science & Management	November, 2022	Volume 12, issue 11	361-365	0258-7982	6.3
6	Hardware (Sensors) For E- Bicycles	Mrs. Nikita Chavan	Journal Of Electronics Information Technology Science And Management	December, 2022	VOLUME 12, ISSUE 12, 2022	69-74	ISSN NO : 0258-7982	6.1
7	Survey on Silent Air Purifier & Humidifier using Water as a Filter	Mrs Sandhya Shinde	Gradiva review journal	December, 2022	Volume 8, issue 12	735-740	0363-8057	6.1
8	Survey on Cleaner and Assistive Robots with their Future Advancements	Mrs Sandhya Shinde	Gradiva review journal	December, 2022	Volume 8, issue 12	785-790	0363-8057	6.1
9	Energy harvesting by using piezoelectric effect to power electronic components	Mrs Sandhya Shinde	Gradiva review journal	December, 2022	Volume 8, issue 12	791-796	0363-8057	6.1

10	ANDROID BASED SMART NOTICE BOARD: A REVIEW	Mrs. B.Lakshmipraba	GRADIVA REVIEW JOURNAL	December, 2022	vol 8 , issue 2	594- 599	ISSN NO : 0363- 8057	6.1
11	Electronic nameplate system	Mrs. B.Lakshmipraba	International Research Journal of Engineering and Technology (IRJET)	December, 2022	Volume: 09 Issue: 12	808- 810	:2395- 0056	7.34
12	Face Mask and oxygen level detection with sanitization entry system for preventing spread of COVID 19 VIRUS	Mrs.Munmun Kakkar	IJSART	April 22	Volume 8 Issue 4	18-20	ISSN 2395 - 1052	6.224

Sr No	Title of Paper	Name of Auth or	Conferen ce Name	National / Internatio nal	Yea r	Venu e	Durati on	ISBN/ISSN	Affiliati ng Institute
1	Pre-trained deep learning models for content- based image classificati on and retrieval	Mrs. D. N. Hire	NCCCCIL' 21	National	202 2	Onlin e	2 days	97810033408 67	DYPCO E, Pune

Table 5.16: AY2022-23 Conference

Table 5.17: AY2021-22 Journal Details

Sr no	Title of paper	Name of Author	Journal Name(Don't write short form of journal name) (National and International)	Month and Year of publication	volume and Issue	page nos	ISSN Number	Impact Factor
1	Web Based Machine Learning Application for Heart Disease Prediction	Prof. Lokesh M. Giripunje	Future Generation Communication and Networking	2021	14	11	2233-7853	
2	A Review On Machine Learning In Healthcare Industry	Prof. Lokesh M. Giripunje	LINO	2021		7		
3	A Review Of Dual-Motor System And Methods For Charging Batteries Of An E-Vehicle	Prof. Lokesh M. Giripunje	Research And Development	2021	6,6	5		8.013
4	A Review On Social Distance & Face Mask Detector	Prof.Lokesh M. Giripunje	Journal of Emerging Technologies and Innovative Research (JETIR)	2021	8,4	7		
5	Review On Payload Delivery Drone	Prof.Lokesh M. Giripunje	Research And Development	2021	6,4	9		8.013
6	A Review On Home cloud-Personal Cloud	Mrs. D. N. Hire	EPRA International Journal of Research and Development (IJRD)	2021	6,4	288-290	2455-7838(Online)	8.013
7	Literature Survey of Two-Way	Mrs. D. N. Hire	International Journal of Scientific Research &	2021	7,2	1-3	2395-566X	

	Authentication System		Engineering Trends					
8	Drowsiness detection using image processing	Mrs. Raji George	International journal for science and advance research in technology	2021	7,12	427-430	2395-1052	6.224
9	Footstep Charger	Prof. Sandhya Shinde	Science, Technology and Development	2021	10,11	197-199	ISSN : 0950-0707	
10	Design of Microstrip Antenna for Wi Fi Applications	Mrs. Raji George	International journal for science and advance research in technology	2021	7,12	4	2395-1052	6.224
11	contactless sanitizer dispenser and temperature sensor with sound alert	Mrs. B.Lakshmi praba	international journal for science and advance research in technology	2021	7,12	319	2395-1052	6.224
12	Edu-Guider Carrier Assistance using Machine Learning	Ms. Shritika Wayker	International Research Journal of Engineering and Technology (IRJET)	2021	8,12	1386-1389	p-ISSN: 2395-0072 e-ISSN: 2395-0056	7.529
13	Credit Card Fraud Detection Using Machine Learning	Mrs. B.Lakshmipraba	International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering	2021	9,12	47	ISSN (Online) 2321-2004 ISSN (Print) 2321-5526	7.047
14	Interactive holographic display with augmented reality	Mrs. B.Lakshmipraba	international journal for science and advance research in technology	2021	7,12	326	2395-1052	6.224
15	Smart Floor Cleaning using Android	Ms. Shritika Wayker	International Research Journal of	2021				

			Engineering and Technology (IRJET)					
16	Alert System for Driver Drowsiness Using Raspberry Pi	Mr. P. N. Kalamkar	International journal of Innovative Research in Computer and communication Engineering	2021	9,11		e - ISSN 2320 9801	7.54
17	Detecting Pulse from Head Motions in Video	Sandhya Shinde	International Journal of Scientific Development and Research (IJS DR)	February 2022	Volume 7 Issue 2	49-52	ISSN: 2455-2631	5.54
18	Campus Navigation Application Using Augmented Reality	Sandhya Shinde	International Engineering Research Journal (IERJ)	28 th February 2022	Volume 3 Issue 4,	6818-6820	ISSN 2395-1621	
19	Hyperspectral image classification using principle component analysis and deep convolutional neural network	Sandhya Shinde	Journal of Ambient Intelligence and Humanized Computing	17th May 2022				
20	Drone Control Using EEG(Scopus)	Arokia Priya Charles	Journal of University of Shanghai for Science and Technology	May 2021	Volume 23, Issue 5	104-115	ISSN: 1007-6735	0.13

Table 5.18: AY2021-22 Conference Details

S r. N o.	Title of Paper	Name of Author	Conferen ce Name	National / Internat ional	Ye ar	Venue	Durat ion	Affiliating Institute
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1	Routing and Congestion in Vehicular Ad-hoc Networks Characteristics Challenges and solutions	Prof.Lokesh M. Giripunje	VLSI Communication and signal processing	International	20 21	VIT Bhopal University, Bhopal	3 Days	VIT Bhopal University, Bhopal
2	Social Distancing and Face Mask Detection	Prof.Lokesh M. Giripunje	Computing Communication and Green Engineering	International	20 21	JSPM's RAJARSHI SHAHU COLLEGE OF ENGINEERING,PUNE	3 Days	JSPM's RAJARSHI SHAHU COLLEGE OF ENGINEERING,PUNE
3	Autonomous Payload Delivery Drone For E-Commerce Industries	Prof.Lokesh M. Giripunje	Intelligent System	International	20 21	Dr. D Y Patil Institute of Technology Pimpri	2 Days	Dr. D Y Patil Institute of Technology Pimpri
4	Web Based Machine Learning Application for Heart Disease Prediction	Prof.Lokesh M. Giripunje	Ideas innovation's Impact in Science and Technology	International	20 21	Kashibai Navale College of Engineering	1 Day	Kashibai Navale College of Engineering
5	IOT Based Water Distribution System for Quarters	Prof. Mrs Sandhya Shinde	Ideas innovation's Impact in Science and Technology	International	20 21	Kashibai Navale College of Engineering	1 Day	Kashibai Navale College of Engineering
6	Designing and implementation of multipurpose drone	Prof. B. Lakshmi praba	International conference on Engineering and	International	20 21	Lord's Institute of Engineering and Technology , Hyderabad	2 Days	Lord's Institute of Engineering and Technology , Hyderabad

	for Aerial Surveillance		Advancement in Technology (ICEAT 2021)					
7	Smart Electricity meter for automatic bill generation using GSM module	Prof.Amruta Nikam	International conference on Emerging trends in Engineering and Technology (ICETET2021)	International	2021	Sandip University Nashik	2 Days	Sandip University Nashik
8	Review on Design of low profile multiband antenna for vehicle application	Prof.Amruta Nikam	4th Edition of International conference on communication and cyber-physical engineering	International	2021	GHRCEM, Wagholi Pune	2 Days	GHRCEM, Wagholi Pune
9	Two-way authentication System	Mrs. D. N. Hire	4th ICIIST-2021	International	2021	SKN, COE, Vadgaon, Pune	1 Day	Kashibai Navale College of Engineering
10	Pre-Trained Deep Learning models for Content Based Image Classification & Retrieval	Mrs. D. N. Hire	NCCCCIL' 21	National	2022	AIT, Pune	2 Days	AIT, Pune

Table 5.19: AY2020-21 Journal Details

Sr no	Title of paper	Name of Author	Journal Name(Don't write short form of journal name) (National and International)	Year of publication	volume	ISSUE	page nos
1	Identification Of Rural Roadways Using Pre-Existing Database	Prof. Sandhya Shinde	Scientific Research & Development	2021	4	2	1194-1196
3	Non-Invasive Glucometer	Prof. Sandhya Shinde	Modernization in Engineering Technology and Science	2021	3	5	1196-1198
4	Automatic Passive Component Vending Machine	Prof. Priya Charles	Engineering and Technology	2021	8	2	34-38
5	Drone Control Using EEG	Prof. Priya Charles	Science & Technology	2021			104-115
6	A Review Of Dual-Motor System And Methods For Charging Batteries Of An E-Vehicle	Prof.Lokesh M. Giripunje	Research and Development	2021	6	6	124
8	Review On Payload Delivery Drone	Prof.Lokesh M. Giripunje	Research and Development	2021	6	4	92
9	A Review On Social Distance & Face Mask Detector	Prof.Lokesh M. Giripunje	Emerging Technologies and Innovative Research	2021	8	4	
10	Assistive Sign Language Interpreter	Prof.Laxmipraba Balaji	Scientific Research & Development	2021	9	2	
11	Designing And Implementation Of Multipurpose Land Mine Detector Robot (With Raspberry Pi)	Prof.Laxmipraba Balaji	Research and Development	2020	8	9	345-346

12	Designing And Implementation Of Multipurpose Drone (With Raspberry	Prof.Laxmipraba Balaji	of Research and Analytical Reviews	2021	8	2	111-113
13	Virtual Keyboard	Prof.Kavita Joshi	Emerging Technologies and Innovative Research	2021	8	6	1176-1178
14	Literature Survey Of Two-Way Authentication System	Mrs. Dnyanada Namdev Hire	Scientific Research & Engineering	2021	7	2	
15	A Review On Homecloud-Personal Cloud	Mrs. Dnyanada Namdev Hire	Research and Development	2021	6	4	288-290
16	Survey paper on visual inspection of a mechanical part using machine learning	Mrs.Priya Charles	International Journal of Engineering Research & Technology	2020	9	1	106-109
17	Person attribute Changes Using GAN's	Mrs.Priya Charles	GIS science Journal	2020	7	5	84-91

Table 5.20: AY2020-21 Conference Details

Sr . N o.	Title of Paper	Name of Author	Conference Name	National / International	Year	Venue	Duration	Affiliating Institute
1	Two-Way Authentication System	Mrs. Dnyanada Namdev Hire	Ideas Innovation Impact in science & Technology	International	2021	KashibaiNavale College Of Engg	1 Days	KashibaiNavale College Of Engg
2	Smart electricity meter for automatic bill generation using GSM module	Mrs.Amruta Nikam	International Conference on Emerging trends in Engineering and technology	International	2021	SANDIP University ,Nashik	2	SANDIP University ,Nashik
3	Survey on Low profile Wide	Mrs.Amruta Nikam	International conference on	International	2021	GH Raison college of Engineering and	2	GH Raison college of Engineering and

	multi band Antenna for automotive application		communication and Cyber-Physical Engineering			Management ,Wagholi Pune		Management ,Wagholi Pune
4	Depth estimation using Blob detection for Stereo Vision Images	Arokia Priya Charles	International Conference on Information and Communication Technology for Sustainable Development Proceeding s of ICT4SD 2020	International	2020	Goa	2 days	Goa

Table 5.21: Book Chapter details

Sr No.	Name of the Faculty	Name of the Book Published	Chapter Name	Publisher	Date of Publication	ISBN No
1	Mr Lokes h Giripun je	Hybrid Intelligent Systems (pp.258-267)	Congestion Control in Vehicular Ad-Hoc Networks (VANET's): A Review	Springer	January 2021	DOI:10.1007/978-3-030-49336-3_26
2	Mrs Sandhya Shinde	Smart Computing Techniques and Applications	Classification of Hyperspectral Images with Various Spatial Features	Springer	2020	https://doi.org/10.1007/978-981-16-1502-3_77

3	Dr. Priya Charles	Object Detection by Stereo Vision Images	Real time depth estimation using BLOB detection/contour detection	Scrivener , Wiley Publications	September 2022	978-1-119-84219-4
4	Dr. Priya Charles	Springer Lecture Notes in Networks and Systems	Depth Estimation Using Blob Detection for Stereo Vision Images	Springer	Vol 2, 2020	978-981-15-8353-7

Table 5.22: Book details

Sr No.	Name of the Faculty	Name of the Book Published	Publisher	Date of Publication	ISBN No
1	Dr. Priya Charles	Real time depth estimation using BLOB detection/contour detection	Wiley Scrivener publication	September 2022	978-1-119-84219-4
2	Dr. Priya Charles	Embedded Systems and RTOS(E&TC)	Tech Knowledge Publications	Edition 2019	978-93-89424-28-7
3	Dr. Priya Charles	Embedded Systems and RTOS(Computer)	Tech Knowledge Publications	Edition 2019	978-93-89748-23-9