Table 1: Details of Faculty Publications

Sl. No.	Name of faculty	CAY 2020-21			CAY 2019-20			CAY 2018-19			CAY 2017-18			CAY 2016-17		
		Scopus Indexed	Web of Science/ SCI	Others	Scopus Indexed	Web of Science/ SCI	Others	Scopus Indexed	Web of Science/ SCI	Others	Scopus Indexed	Web of Science/ SCI	Others	Scopus Indexed	Web of Science/ SCI	Others
1	Dr. Vinayadatt Kohir	1			1			1						1	2	
2	Dr. Nagendra H	1		1	1		2								1	2
3	Dr. Siddaram R Patil	3		5	6		2	7	2	4		2	3		10	12
4	Dr. Raju Yanamshetti	1	1				2	2		3		2	1	3	3	1
5	Dr. Gangadhar S Biradar	1		2	2		1	2		2	3		1	1	1	2
6	Dr. Geeta Hanji							1								2
7	Dr. Sridhara K	1		2			1			1				1	1	3
8	Padmapriya Patil			1						1	1	1	1			
9	Pankaj Mahoorkar						1									
10	Dr. Rakesh Huded			2			2			2						
11	Pratik Shankar									1						

Details of faculty publications for year 2020-21

Dr. Vinayadatta V Kohir

- Diabetic Retinopathy Detection at Early Stage Using a Set of Morphological Operations, Ramakrishna, N., Kohir, V.V., Lecture Notes in Electrical Engineering, 2021, 702, pp. 467–478

Dr. Raju Yanamshetti
- A Review of Novel Frequency Reconfigurable Wireless Monopole Antenna for Less Complexity, Mallikarjun C Sarsamba;Raju Yanamshetti;Chetan Alatagi, 2020 International Conference on Inventive Computation Technologies (ICICT)

Dr. G S Biradar
- Error-Rate Performance of Coded System for MC-IDMA using Spatial Diversity in Cognitive Spectrum, Patil, A., Biradar, G.S., Vishvaksnan, K.S., Procedia Computer Science, 2020, 171, pp. 1269–1278

Dr. Nagendra H
- EEG signal classification using wavelet and fuzzy KNN classifier, *N. Shweta and H. Nagendra,* AIP Conference Proceedings 2316, 050001 (2021); https://doi.org/10.1063/5.0036455

Dr. Siddarama R Patil
- Precision agriculture with cluster-based optimal routing in wireless sensor network, Agarkhed, J., Dattatraya, P.Y., Patil, S., International Journal of Communication Systems, 2021, 34(10), e4800
- Multi Duty Cycle Scheduled Routing in Wireless Sensor Network – Lifetime Maximization, PY Dattatreya, J Agarkhed, SR Patil, International Journal of Computer Network and Information Security 13(5), 2021
- Precision agriculture with cluster-based optimal routing in wireless sensor network, Agarkhed, J., Dattatraya, P.Y., Patil, S., International Journal of Communication Systems, 2021, 34(10), e4800
- Adaptive task scheduling method in multi-tenant cloud computing, Ramegowda, A., Agarkhed, J., Patil, S.R., International Journal of Information Technology (Singapore), 2020, 12(4), pp. 1093–1102

Dr. Sridhara K
- Leakage Reduction and Analysis of CMOS D FF, *International Conference on Current Research and Applications in Electrical Sciences*
- Analysis and Design of 6T and 8T SRAM cell using LECTOR approach, *International Journal of Advanced Science and Technology*

Details of faculty publications for the year 2019-20

Dr. Raju Yanamshetti
- A Review of Novel Frequency Reconfigurable Wireless Monopole Antenna for Less Complexity, Mallikarjun C Sarsamba;Raju Yanamshetti;Chetan Alatagi, 2020 International Conference on Inventive Computation Technologies (ICICT)

Dr. G S Biradar

- Down Link: Error-Rate Performance of Cognitive D-STTD MC-IDMA System, Patil, A., Biradar, G.S., Vishvaksnan, K.S., Communications in Computer and Information Science, 2020, 1209 CCIS, pp. 347–358
- Design and analysis idma and cdma in rayleigh channel with equalization technique using tree based interleaver, Patil, A., Biradar, G.S., Lecture Notes in Electrical Engineering, 2020, 569, pp. 521–527
- Bio-inspired Energy Aware Scheduling and Routing in Wireless Sensor Networks to Enhance the Network Lifetime, Honguntikar, V., Biradar, G.S., Patil, M., Lecture Notes on Data Engineering and Communications Technologies, 2019, 26, pp. 448–457

Dr. Siddarama R Patil

- Differentiated Service Model-supported cluster-based routing in wireless sensor networks, J Agarkhed, PY Dattatreya, SR Patil, Journal of Telecommunications and Information Technology, 2020
- Providing a public auditing cryptographic approach in cloud computing, Ashalatha, R., Agarkhed, J., Patil, S.R., International Journal of Electronic Business, 15(3), pp. 235–248, 2020
- A study of wireless sensor networks to comprehend their relevance to different applications, J Agarkhed, PY Dattatreya, SR Patil, Journal of Telecommunications and Information Technology, 2020
- Decision support based Dry-Land Irrigation using Fuzzy Routing Protocol in WSN, J Agarkhed, V Kadrolli, SR Patil, International Journal of Recent Technology and Engineering 8(1), 2345-2351, 2020
- Design and Development of Novel Leakage Reduction Techniques for Low-Power Circuits, U Chavan, SR Patil, Journal of Critical Reviews 7(18), 2020
- Fuzzy clustering with multi-constraint QoS service routing in wireless sensor networks, Agarkhed, J., Kadrolli, V., Patil, S.R., Journal of Telecommunications and Information Technology,(1), 31–38, 2019

Dr. Nagendra H

- EEG Analysis For Classification of Seizures and Non Seizures Patients, Proceedings of B-HTC 2020 - 1st IEEE Bangalore Humanitarian Technology Conference, 2020

Dr. Sridhara K

- Design of Single Band 60GHz Millimeter Wave Patch Antenna, *International Journal of Research in Electronics and Computer Engineering (IJRECE)*
- Analysis and Design of 6T and 8T SRAM cell using LECTOR approach, *International Journal of Advanced Science and Technology,), Vol. 7, Issue 2, April-June 2019*

Pankaj Mahoorkar

- Design of Single Band 60GHz Millimeter Wave Patch Antenna, *International Journal of Research in Electronics and Computer Engineering (IJRECE), Vol. 7, Issue 2, April-June 2019*

Padmapriya Patil
- Abstraction of Information Flow Table from a Restructured Legacy 'C' program to be amenable for Multicore Architecture, 'Innovations in Computer Science and Engineering', Lecture Notes in Networks and Systems, vol 32, Page No.: 401-409., Springer and Scopus Indexed. First Online 26 May 2018. Publisher Name: Springer, Singapore
- Abstraction of functional Modules from a Legacy 'C' program using Program Slicing, Published in 'International Journal of Perspectives in Communication, Embedded Systems, and Signal Processing- PiCES', Page No.: 39-44. ISSN: 2566-932X, Vol. 4, Issue 4, July 2020
- Realization of Parallelism in a Sequential Legacy 'C' Program, Paper Published in the 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878(online), Volume 9 Issue -2, July 2020, Page No.: 1179-1183.

Rakesh Huded
- "Discrete Wavelet Transform: An Empirical Analysis" Published in UGC recognized Journal Research Review International Journal of Multidisciplinary
- A 2D Discrete Wavelet Transform Based 7-state Hidden Markov Model for Efficient Face Recognition" Published in International Journal of Scientific Research review
- A Study of Efficient Face Recognition for 2D Discrete Wavelet Transform Based 7 State Hidden Markov Model Presented a paper in the International conferenece on ICRTEPSTHM 18 organized by IJAMSR Research Foundation
- Comparative Study on Hidden Markov Model versus Support Vector Machine: A Component based Method for Better Face Recognition Presented a paper in the International Conference on ICRTEPSTHM 19 organized by IJAMSR Research Foundation
- A COMPREHENSIVE STUDY BASED ON IDS FOR MOBILE AD-HOC NETWORKS WITH PSO and MNC published scopus indexed in Journal of Xi'an University of Architecture & Technology 19
- Scene Text Recognition Algorithm Based on Convolution Neural Network, IEEE

Faculty Publication Details for the year 2018-19

Dr. Raju Yanamshetti
- Retention of High Efficiency Video Coding (HEVC), Anuradha Savadi;Raju Yanamshetti; Infokara Research, ISSN 1021-9056

Dr. G S Biradar
- Bio-inspired Energy Aware Scheduling and Routing in Wireless Sensor Networks to Enhance the Network Lifetime, Honguntikar, V., Biradar, G.S., Patil, M., Lecture Notes on Data Engineering and Communications Technologies, 2019, 26, pp. 448–457
- Comparative survey analysis on interleaving techniques in IDMA systems, Patii, A., Biradar, G.S., Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017, 2018, pp. 1383–1387

Dr. Vinayadatta V Kohir

- OFDM based DVB-T system implementation using MATLAB and HDL coder, Pasha, S.G., Kohir, V.V., Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017, 2018, 2018-January, pp. 256–261

Dr. Siddarama R Patil

- Smart Healthcare Systems using Cloud Computing Environments, J Agarkhed, R Ashalatha, SR Patil, Advances in Communication, Devices and Networking, 545-552, 2019
- Intrusion Detection System using pattern matching techniques for wireless sensor networks, J Agarkhed, G Kalnoor, SR Patil, Innovations in Computer Science and Engineering, 411-418, 2019
- Internet of Things that makes Things Talk, J Agarkhed, YD Patil, SR Patil, Innovations in Computer Science and Engineering, 463-469, 2019
- Reliable Multi-cast Routing Protocol with mobility prediction for mobile adhoc networks, SR Patil, SV Mallapur, J Agarkhed, TENCON 2018-2018 IEEE Region 10 Conference, 0948-0953, 2018
- An efficient privacy preserving cryptographic approach in cloud computing, J Agarkhed, SR Patil, Proceedings of the 2nd International Conference on Future Networks and Distributed Systems, 2018
- Multi constraints reliable multicast routing protocol for group communications in MANETs, SR Patil, SV Mallapur, J Agarkhed, International Journal of Information Technology 10(2), 147-163, 2018
- Signal Detection in Cognitive Radio Networks over AWGN and fading channels, VM Patil, R Ujjinimatad, SR Patil, International Journal of Wireless Information Networks 25 (1), 79-86, 2018

Dr. Sridhara K

- Design and Implementation of Wideband Microstrip Patch Antenna for WLAN Applications, Laxmibai, Sridhara K, International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), 2018

Padmapriya Patil

- Abstraction of Functional Dependency from and Information Flow from a Restructured Legacy 'C' program for Parallelization, Paper presented at 'International Conference On Smart Technologies for Smart Nation' (SmartTechCon), Published in IEEE *Xplore*: 14 May 2018, ISBN Information: Electronic ISBN: 978-1-   5386-0569-1

Rakesh Huded

- A comprehensive study based on ids for mobile ad-hoc networks with PSO and MNC, Sharanabasappa C Gandage, Dr Trayambak Hirwarkar, Dr.Nagesh Salimath, Rakesh B. Huded, Journal of Xi'an University of Architecture & Technology, Issn No : 1006-7930

Pratik Shankar
- Presented a research paper on "Design of an integrated body vitals measurement system using IoT" – Pratik Shankar, Dr. Prabhudev M S at 48th ISTE National Annual Faculty Convention – 2019, VTU, Belagavi.

Table 2: Details of Faculty PhD Status

Sl. No.	Name of Faculty	USN	University	Guide	Topic	Scholar Type	Year of admission	Ph.D. Status
1	Dr. Sridhara K	3PD13PEN11	VTU, Belagavi	Dr. G. S. Biradar	Low-power VLSI	Part Time	2013-14	Awarded in 2021
2	Rakesh Huded	SSSEC1528	SSSUTMS, Bhopal	Dr. R. Mohan Kumar	Image Processing	Part Time	2015-16	Awarded in 2020
3	Padmapriya Patil	3BR15PEJ10	VTU, Belagavi	Dr. Rajkumar Kulkarni	Multicore Architecture	Part Time	2014-15	Thesis Submitted & Final defense
4	C D Bogle	3PD15PEJ28	VTU, Belagavi	Dr. V. D. Mythri	Biomedical Engineering	Part Time	2015-16	Course Work in progress
5	Rajkumar Bainoor	3PD16PEJ05	VTU, Belagavi	Dr. Amarapur Basavaraj	Image Processing	Part Time	2016-17	Course Work in progress
6	Omkar Yatgal	3PD19PEC03	VTU, Belagavi	Dr. Raju Yanamshetti	VLSI/Image Processing	Part Time	2019-20	Course Work in progress

Table 3: Details of PhD Scholars

Sl. No	Guide Name	Student Name	USN	Research Topic	Scholar Type	Year of Admission	Status
1.	Dr. Vinayadatta V Kohir	N. Ramakrishna	3PD16PEJ29	Image Processing	Part-time	2016	Pursuing
2.		Ramesh Patil	3PD12PEN06	Wireless Sensor Networks	Part-time	2012	Pursuing
3.		Jilani Pasha	3PD11PEN01	Wireless Communication	Part-time	2011	Awarded
4.		Mahesh Koti	3PD12PEN05	Quantum Computing	Part-time	2012	Awarded
5.	Dr. Nagendra H	Abhilasha Patil	3PD19PEC04	Bio-medical Image Processing	Part-time	2019	Pursuing
6.		Md. Moinuddin	3PD18PEC01	Bio-medical Signal Processing	Part-time	2018	Pursuing
7.		Sangeeta	3PD17PEA02	Bio-medical Signal Processing	Part-time	2017	Pursuing
8.		N Shweta	3PD17PES02	Bio-medical Signal Processing	Full-time	2017	Pursuing
9.	Dr. G. S. Biradar	Vishalakshi Patil	3PD19PEN05	Wireless Communication	Part-time	2019	Pursuing
10.		Sridhara K	3PD13PEN11	Low-power VLSI	Part-time	2013	Awarded
11.		Asharani Patil	3PD15PEJ07	Wireless Communication	Part-time	2015	Awarded
12.	Dr. Raju Yanamshetti	Puneet R.	3PD13PEJ04	Embedded Systems	Part-time	2013	Pursuing
13.		Mallikarjuna C.	3PD15PEJ01	Antenna Design	Part-time	2015	Pursuing
14.		Sandeep K.	3PD13PEN03	Antenna Design	Part-time	2013	Pursuing
15.		Christdas	3PD13PEN02	Low-power design	Part-time	2013	Pursuing
16.		Anuradha S	3PD13PEN06	Embedded VLSI	Part-time	2013	Pursuing
17.		Omkar Yatgal	3PD19PEC03	VLSI/Image Processing	Part-time	2019	Pursuing
18.		Umesh Chauvan	3PD13PEN04	VLSI	Part-time	2013	Pursuing
19.		Snehalata	3PD15PEJ03	Bio-medical signal processing	Part-time	2015	Pursuing
20.		Kailash Patil	3PD15PEJ20	Advanced Communication	Part-time	2015	Pursuing
21.		Vilas M. Patil	3PD13PEN05	Advanced Communication	Part-time	2013	Pursuing
22.		Revanasiddappa	5VX12PEN60	Antenna Design	Part-time	2012	Pursuing
23.	Dr. Geeta Patil	Ratnamala S Patil	3PD19PEC02	Image Processing	Part-time	2019	Pursuing
24.		Pramod V Rampur	3PD19PEC01	Image Processing	Part-time	2019	Pursuing