



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
RESEARCH PUBLICATIONS

The faculty of the ECE department are actively engaged in research in the areas of Electronics and Communication Engineering, Signal Processing, Cryptography, Machine Learning and VLSI Technologies. A total of **121** research articles were published and presented by the faculty in various technical journals and conferences in the past 3 years, with more than 450 citations.

Publications summary

Sl. No	Academic year	Books	Book chapters	Journals		Conferences		Total
		International	International	International	National	International	National	
1	2019-2020	1	1	11	-	7	-	20
2	2018-2019	5	6	42	0	5	1	59
3	2017-2018	4	8	22	0	6	2	42
	Total	10	15	75	0	18	3	121

List of Research Publications for the Academic Year 2019-20

Details of research publications			
https://drive.google.com/drive/folders/1SOtNmjWzIv_Vgdo4mcZ6USPQqTIXE8TE?usp=sharing			
Book publications			
Sl. No	Name of the faculty	Title of the book	Publication details (Publisher, ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. B Surekha	Intelligent decision support systems: applications in signal processing (frontiers in computational intelligence)	De Gruyter, ISBN: 9783110618686, 2019 https://www.degruyter.com/view/product/509935?format=G
Book chapter publications			
Sl. No	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Secrecy capacity of symmetric keys generated by quantizing channel metrics over a fading channel	Inventive Computation Technologies , Springer, pp 404-413,2019 https://link.springer.com/chapter/10.1007/978-3-030-33846-6_45

Journal publications			
Sl. No .	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Shop floor to cloud connect for live monitoring the production data of CNC machines	International Journal of Computer Integrated Manufacturing, Vol. 33, No. 2, pp. 142-158, 2020, ISSN: 0951-192X, DOI: 10.1080/0951192X.2020.1718762 https://www.scimagojr.com/journalsearch.php?q=18198&tip=sid&clean=0
2	Dr. P N Sudha	Power optimization in manet using topology management	Journal of Mobile Multimedia, [In Press] Doi.org/10.1016/j.jestch.2019.07.008 [ISSN: 1550-4646] https://www.scimagojr.com/journalsearch.php?q=19900192412&tip=sid&clean=0 UGC Approved
3	Dr. B Surekha	Edge detection and contour-based ear recognition scheme	Journal of Information Technology Research, Vol.12, No .3, pp. 74-92, 2019. DOI: 10.4018/JITR.2019070105 [ISSN: 1938-7857] https://www.scimagojr.com/journalsearch.php?q=19700201308&tip=sid&clean=0 UGC Approved
4	Mr. Sampath Kumar S	Swarm robotics for agriculture	International Research Journal of Engineering and Technology (IRJET), Vol. 07, No 2, pp. 1414-1418 2020, e-ISSN: 2395-0056
5	Mrs. Sangeetha V	Segregation of waste – A survey	International Research Journal of Engineering and Technology, Vol. 07, No 2, pp. 384-386, 2020, e-ISSN:2395-0056
6	Mrs. Sangeetha V	A Survey on various methodologies used to detect gas leakage and Automatic booking system	International Research Journal of Engineering and Technology, Vol. 07, No. 2, pp. 1478-1479, 2020, e-ISSN: 2395-0056
7	Mr. Saleem S Tevaramani	Bit interleavers for flexible modulation scheme	Journal of Applied Sciences and Computations, Vol. 07, No 1, PP. 18-20, 2020, ISSN: 1076-5131
8	Mrs. Pragati P	Gyro-assisted multi terrain rover	International Journal of Electronics Engineering, Vol.11 No .2 pp. 493-498 2019, ISSN: 0973-7383
9	Mrs. Aruna Rao B P	A comprehensive study of input output [IO]functionalities of contemporary IO	International Journal of Engineering Development and Research, Vol. 7, No. 3, pp 357-364,2019 ISSN: 2321-9939
10	Mrs. Aruna Rao B P	Village 3.0	Journal of Applied Science and Computation, Vol.6, No 12, pp 19-26,2019, ISSN:1076-5131 (UGC approved journal- 41238, till-june-2019), Impact factor - 5.8
11	Mrs. Aruna Rao B P	Modern day washing machine	International Journal of Research in Engineering, Science and Management, VOL 2, No 11, PP 668-670, 2019, ISSN: 2581-5792
International conference publications			
Sl.	Name of the	Title of the paper	Title of the Conference, Place, Dates, Year, pp.

No	Faculty		ISBN/ISSN: SCI/Scopus/UGC Indexed Link, No. of Citations
1	Dr. P N Sudha	Secrecy capacity of symmetric key generated by quantizing channel metrics over a fading channel	4th International Conference on Inventive Computation, Technologies ICICT-2019, Coimbatore, India 29th-30th August 2019 ISSN: 2367-3370, https://link.springer.com/chapter/10.1007/978-3-030-33846-6_45
2	Dr. B Surekha	Secured anti-piracy screen	3rd International Conference on Intelligent Computing and Communication (ICICC-2019), Dayananda sagar University, 7th-8th June 2019
3	Mrs. Aruna Rao B P	Design and modeling of input output functionalities of FPGA based IO block	Global Conference for Advancement in Technology, (GCAT-2019), Nagarjuna College of Engineering and Technology, Bangalore, India 18th-20th October 2019 ISBN: 978-1-7281-3694-3
4	Mrs. Aruna Rao B P	Design and delay analysis of various 256-bit adders using verilog	ICEECCOT 2019, 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, GSSS Institute of Engineering and Technology for Women, Mysore on 13th -14th December 2019. ISBN: 978-7281-3261-7
5	Mrs. Aruna Rao B P	Design and implementation of 256*256 booth multipliers and its application	ICEECCOT 2019, 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, GSSS Institute of Engineering and Technology for Women, Mysore on 13th - 14th December 2019. ISBN: 978-7281-3261-7
6	Mrs. Aruna Rao B P	High speed multipliers and complex summers	ICEECCOT 2019, 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, GSSS Institute of Engineering and Technology for Women, Mysore on 13th - 14th December 2019. ISBN: 978-7281-3261-7
7	Mrs. Aruna Rao B P	Design and implementation of reversible computational circuits by creating libraries of basic gates using verilog HDL	ICEECCOT 2019, 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, GSSS Institute of Engineering and Technology for Women, Mysore on 13th - 14th December 2019. ISBN: 978-7281-3261-7

List of Research Publications for the Academic Year 2018-19

Details of research publications https://drive.google.com/drive/folders/1A0F8R5NPwlrtsBROYJuTi384k4h9E2S_?usp=sharing			
Book publications			
Sl. No.	Name of the faculty	Title of the book	Publication details (Publisher, ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. B Surekha	Satellite image analysis: clustering and classification	Springer briefs in applied sciences and technology, Springer, 2019, ISBN: 978-981-13-6424-2 ISSN: 2191-530x https://www.springer.com/gp/book/9789811364235#otherversion=9789811364242 https://www.scimagojr.com/journalsearch.php?q=21100321695&tip=sid&clean=0 Citations: 1

2	Dr. B Surekha	Digital image watermarking: theoretical and computational advances	CRC press, Taylor & Francis group, 2018 ISBN 9781138390638 https://www.routledge.com/Digital-Image-Watermarking-Theoretical-and-Computational-Advances/Borra-Thanki-Dey/p/book/9781138390638 Citations: 5
3	Dr. B Surekha	Medical big data and internet of medical things: advances, challenges, and applications	CRC press, Taylor & Francis, 2018, ISBN: 9781138492479 https://www.routledge.com/Medical-Big-Data-and-Internet-of-Medical-Things-Advances-Challenges-and/Hassanien-Dey-Borra/p/book/9781138492479
4	Dr. B Surekha	Machine learning in bio-signal analysis and diagnostic imaging	Elsevier, Netherlands, 2018, ISBN: 9780128160879 https://www.elsevier.com/books/machine-learning-in-bio-signal-analysis-and-diagnostic-imaging/dey/978-0-12-816086-2 https://www.scimagojr.com/journalsearch.php?q=21100202159&tip=sid&clean=0
5	Dr. P Joy Prabhakaran	Novel techniques for multi-resolution imaging	Lambert academic publishing, 2019, ISBN-13: 978-613-9-46002-1 https://www.lap-publishing.com/catalog/details//store/gb/book/978-613-9-46002-1/novel-techniques-for-multi-resolution-imaging

Book chapter publications

Sl. No	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. B Surekha	Security of biometric and biomedical images using sparse domain-based watermarking technique	Handbook of multimedia information security: techniques and applications, pp 209-232, 2019, ISBN: 978-3-030-15887-3 https://link.springer.com/chapter/10.1007/978-3-030-15887-3_9
2	Dr. B Surekha	Application of machine learning algorithms for classification and security of diagnostic images	Machine learning in bio-signal analysis and diagnostic imaging, chapter 11, academic press, Elsevier Ltd., 2018, pp.273-292, and 2018, ISBN 978-0-12-816086-2 https://www.sciencedirect.com/science/article/pii/B9780128160862000114
3	Dr. B Surekha	Real-time facial recognition using deep learning and local binary patterns	Proceedings of international ethical hacking conference 2018, Springer series on advances in intelligent systems and computing, Vol.811, pp.331-347, 2018, ISBN: 978-981-13-1543-5 https://link.springer.com/chapter/10.1007/978-981-13-1544-2_27 https://www.scopus.com/sourceid/5100152904
4	Dr. B Surekha	Watermarking techniques for copyright protection of texts in document	Cryptographic and information security approaches for images and videos, chapter 12, CRC press, Taylor and Francis group, pp. 323-352, 2018, ISBN: 978-1-1385-6384-1 https://www.taylorfrancis.com/books/9780429435461/chapters/10.1201/9780429435461-12
5	Dr. B Surekha	Compressive sensing in color image security	Cryptographic and information security approaches for images and videos, chapter 8, CRC press, Taylor and Francis group, pp.211-244, 2018, ISBN: 978-1-1385-6384-1 https://www.taylorfrancis.com/books/9780429435461/chapters/10.1201/9780429435461-8
6	Dr. B Surekha	Social networking in web-based movie recommendation system	Social networks science: design implementation security and challenges, chapter 2, Springer international publishing pp. 24-45, 2018, e-ISBN: 978-3-319-90059-9. https://www.springerprofessional.de/en/social-networking-

			in-web-based-movie-recommendation-system/15854650
Journal publications			
Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Fisheye state protocol in correlation with power consumption in AD-HOC networks	International Journal of Applied Engineering Research, Vol. 13, No. 17, pp. 13335-13339, 2018 ISSN:0973-4562 https://www.ripublication.com/ijaer.htm (UGC approved journal - 2017 journal no. - 64529), https://www.scimagojr.com/journalsearch.php?q=21100217234&tip=sid&clean=0
2	Dr. P N Sudha	Physical layer secret symmetric key generation and management techniques for wireless systems-a study	Journal of Applied Science and Computations, Vol.6, No.2, pp.136-141, Feb 2018 ISSN: 1076-5131 http://j-asc.com/ (UGC approved journal- 41238 till-june-2019) Impact factor: 5.8
3	Dr. P N Sudha	IOT based camouflage robot	Journal of Emerging Technologies and Innovative Research, Vol. 6, No. 3, pp 2614-2619, 2019, ISSN:2349-5162 http://www.jetir.org/ Impact factor: 5.87
4	Dr. P N Sudha	Watchdog for ATM	Journal of Applied Science and Computations, Vol. 6, No .4, pp 2965-2967, 2019, ISSN: 1076-5131 http://j-asc.com/ (UGC approved journal- 41238 till-june-2019), Impact factor :5.8
5	Dr. P N Sudha	IOT based camouflage army robot	Journal of Applied Science and Computations, Vol. 6, No. 5, pp 2614-2619, 2019, ISSN:1076-5131. http://j-asc.com/ (UGC approved journal- 41238 till-june-2019). Impact factor :5.8
6	Dr. B Surekha	A FRT - SVD based blind medical watermarking technique for telemedicine applications	International Journal of Digital Crime and Forensics, Vol. 11, No. 2, pp. 13-33, 2019, ISSN: 1941-6210, EISSN: 1941-6229 https://www.scimagojr.com/journalsearch.php?q=19700186847&tip=sid&clean=0 https://mjl.clarivate.com/journal-profile https://www.igi-global.com/article/a-frt---svd-based-blind-medical-watermarking-technique-for-telemedicine-applications/223939 https://www.scopus.com/sourceid/19700186847 UGC Approved
7	Dr. B Surekha	Fragile watermarking for copyright authentication and tamper detection of medical images using compressive sensing (CS) based encryption and contourlet domain processing	Multimedia Tools and Applications, Vol.78, No.10, 2019, pp. 13905-13924, Springer, [ISSN: 1380-7501] WoS2018 Journal Impact Factor 2.101 https://www.scimagojr.com/journalsearch.php?q=19400156805&tip=sid&clean=0 WoS 2018 Journal Impact Factor2.101 https://link.springer.com/article/10.1007/s11042-018-6746-2 , UGC Approved

8	Dr. B Surekha	Crypto water marking scheme for tamper detection of medical images	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, [In Press] ISSN: 2168-1163, Doi.org/10.1080/21681163.2019.1595730 https://www.scimagojr.com/journalsearch.php?q=21100773821&tip=sid&clean=0 https://mjl.clarivate.com/journal-profile https://www.tandfonline.com/doi/abs/10.1080/21681163.2019.1595730?journalCode=tciv20 https://www.scopus.com/sourceid/21100773821 UGC Approved
9	Dr. B Surekha	Ambulatory peritoneal dialysis (CAPD) assistive device	Journal of emerging technologies and innovative research, Vol. 6, No .5, pp. 164-167, 2019, ISSN: 2349-5162. Impact factor :5.87
10	Dr. Sangappa S B	Automated shopping trolley for billing system	International Journal of Advance Research, Ideas and Innovations in Technology, Vol. 5 No. 2, pp 1858-1861,2019, ISSN: 2451-132x Impact factor: 4.295
11	Dr. B Sudarshan	Hand gesture recognition and voice con version systems for physically impaired people	Journal of Emerging Technologies and Innovative Research, Vol. 6, No. 4, pp 890-894,2019, ISSN:2349-5162. Impact factor : 5.87
12	Dr. B Sudarshan	Survey on object recognition techniques using machine learning	Journal of Emerging Technologies and Innovative Research, Vol.6, No. 4, pp 247-250, 2019, ISSN: -2349-5162. Impact factor : 5.87
13	Dr. B Sudarshan	Visual object recognition using tensor flow	Journal of Emerging Technologies and Innovative Research, Vol.6, No. 5, pp 369-372, 2019, ISSN: -2349-5162. Impact factor : 5.87
14	Mr. Santhosh Kumar B R	Dustless environment	Journal of Emerging Technologies and Innovative Research, Vol. 6, No .4, pp 66-69, 2019, ISSN: -2349-5162. Impact factor : 5.87
15	Mr. Santhosh Kumar B R	Automatic and manual floor cleaning robot	Journal of Emerging Technologies and Innovative Research, Vol.6, No .5, pp 141-143, 2019, ISSN: -2349-5162. Impact factor : 5.87
16	Mrs. Vishalini Divakar	RFID based prepaid energy meter	Journal of Emerging Technologies and Innovative Research, Vol. 6, No. 5, pp 557-560, 2019, ISSN:2349-5162. Impact factor : 5.87
17	Mrs. Vishalini Divakar	A survey on security device for women and kids' safety	Journal of Emerging Technologies and Innovative Research, Vol. 6, No. 5, pp 88-93, 2019, ISSN:2349-5162. Impact factor : 5.87
18	Mrs. Jayasudha B S K	Ceres – an autonomous and versatile agriculture robot	International Journal for Research in Applied Science & Engineering Technology, Vol. 7 No. 4, pp 727-732, 2019, ISSN: 2321-9653, Impact factor: 6.887
19	Mrs. Jayasudha B S K	Forest monitoring	Journal of Emerging Technologies and Innovative Research, Vol. 9, 2019, ISSN: 2349-5162. Impact factor : 5.87
20	Mrs. Jayasudha B S K	Ecology monitoring	Journal of Emerging Technologies and Innovative Research, Vol.6, No. 4, pp 44-48, 2019, ISSN: -2349-5162. Impact factor : 5.87
21	Mrs. Jayasudha B S K	Women safety devices and applications	International Journal of Engineering Research & Technology, Vol. 7 No .7, pp 175-178, 2018, ISSN:2278-0181 Impact factor: 7.177

22	Mr. Sampath Kumar S	Recent trends in automotive industry	International Journal for Research in Applied Science & Engineering Technology, Vol. 7 No 4, pp 1027-1031, 2019. ISSN: 2321-9653. Impact factor: 6.887
23	Mr. Sunil Kumar G R	Food monitoring and control system using internet of things	International Journal for Research in Applied Science & Engineering Technology, Vol. 7 No .4, 2019, ISSN: 2321-9653. Impact factor: 7.177
24	Mr. Sunil Kumar G R	Hybrid power generation	Journal of Emerging Technologies and Innovative Research, Vol. 6, No .5, pp 644- 646, 2019, ISSN: -2349-5162. Impact factor: 5.87
25	Mrs. Sangeetha V	A survey on various methodologies used for con serration of forest trees	Journal of Emerging Technologies and Innovative research, Vol. 4, No. 6, pp 93-95, 2019, ISSN:2349-5162, http://www.jetir.org/ Impact factor: 5.87
26	Mrs. Sangeetha V	Different technologies used for sericulture field: A survey	Journal of Emerging Technologies and Innovative Research, Vol. 6, No .5, pp 72-74, 2019, ISSN: 2349-5162. Impact factor: 5.87
27	Mrs. Sangeetha V	Anti theft alarm system for forest trees using WSN	Journal of Emerging Technologies and Innovative Research, Vol. 6, No .5, pp 88-91, 2019, ISSN: 2349-5162. Impact factor: 5.87
28	Mr. Praveen A	Smart guide at museum	Journal of Emerging Technologies and Innovative Research, Vol. 6, No. 4, pp 416-418, 2019, ISSN:2349-5162. Impact factor: 5.87
29	Mr. Christo jain	A survey on electronic valve with quantitative control and to avoid reverse flow of blood	Journal of Emerging Technologies and Innovative Research, Vol. 6, No. 4, pp 131-134, 2019, ISSN: 2349-5162. Impact factor: 5.87
30	Mr. Saleem S Tevaramani	Ethical Driving System	Journal of Emerging Technologies and Innovative Research, Vol .6, No. 6, pp 76-83, 2019, ISSN:2349-5162. Impact factor: 5.87
31	Mr. Saleem S Tevaramani	Advanced driver scrutiny system	International Journal for Research in Applied Science & Engineering Technology, Vol. 7 No. 4, pp 147-152, 2019. ISSN: 2321-9653, Impact factor: 6.887
32	Mrs. R Nithya Kumari	Smart voting system	International Research Journal of Engineering and Technology, Vol. 06, No.05, pp 5637-5644, 2019, EISSN: 2395-0056. Impact factor: 7.211
33	Mrs. Pragati P	Smart greenhouse monitoring system	Journal of Emerging Technologies and Innovative Research, Vol.4, No. 6, pp 112-115, 2019, ISSN: -2349-5162, http://www.jetir.org/ Impact factor: 5.87
34	Mrs. Pragati P	Plant Identification Methodologies using Machine Learning Algorithms	Journal of Emerging Technologies and Innovative Research, Vol. 8 No. 03, 2019, ISSN: -2349-5162, http://www.jetir.org/ Impact factor: 5.87
35	Mrs. Sahana Salagare	Survey on research challenges and application s of unmanned marine robot	International Journal of Creative Research Thoughts, Vol. 6, No 1, pp 1-4,2019, ISSN:2320-2882, Impact factor: 5.97
36	Mrs. Sahana Salagare	Solar powered unmanned marine robot using radar system	International Journal of Engineering Research &Technology, Vol. 8, No. 05, pp 100-102, 2019, ISSN:2278-018
37	Mrs.	A survey on robotic	International Journal for Research in Applied Science &

	Lakshmi H R	application s in surveillance and rescue – aid	Engineering Technology, Vol. 7 No 4, pp 211-214, 2019, ISSN: 2321-9653, Impact factor : 6.887
38	Mrs. Lakshmi H R	Biomorphic hyper-redundant robot for disaster surveillance	Journal of Emerging Technologies and Innovative Research, Vol.6, No .5, pp 432-436, 2019 ISSN: -2349-5162., http://www.jetir.org/ Impact factor :5.87
39	Mrs. Aruna Rao B P	A survey on raspberry pi-based reader and smart assistance for visually impaired people	International Journal of Current Research, Vol. 11, No. 04, pp 2794-2798, 2019, ISSN: 0975-833x, Impact factor: 7.749
40	Mrs. Veda B	Smart ambulance with patient monitoring-A survey	Journal of Emerging Technologies and Innovative Research, Vol.6, No. 4, pp 511-513, 2019, ISSN: -2349-5162, http://www.jetir.org/ Impact factor: 5.87
41	Mrs. Bhargavi Ananth	Smart cargo monitoring and security system	Journal of Emerging Technologies and Innovative Research, Vol.6, No .4, pp 197-200, 2019, ISSN:2349-5162. http://www.jetir.org/ Impact factor: 5.87
42	Mrs. Bhargavi Ananth	Smart electronic security system for cargo containers	Journal of Emerging Technologies and Innovative Research, Vol.6, No. 5, pp. 433-440, 2019, ISSN:2349-5162, http://www.jetir.org/ Impact factor: 5.87

International conference publications

Sl. No.	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN: SCI/Scopus/UGC, Indexed Link, No. of Citations
1	Dr. P N Sudha	Power-cognizant proactive routing protocol for amending energy in adhoc networks	International Conference on Data Science, Machine Learning and Applications, ICDSMLA 2019, CMR Institute of Technology, Hyderabad, 29th-30th Mrch 2019
2	Dr. P N Sudha	Live production data monitoring system to support industry 4.0 Scenario	4th International Conference on Science and Technology for Society ICSTS-2019, EWIT, Bangalore, 13th -15th May 2019
3	Dr. B Surekha	Real-time facial recognition using deep learning and local binary pattern	Springer International Conference on Ethical Hacking- (EHACON -2018), Institute of Engineering & Management, Kolkata, West Bengal, India, 6th-7th, April 2018, pp.331-347. ISBN 978-981-13-1544-2 https://www.scopus.com/sourceid/5100152904
4	Mrs. Lakshmi H R	Study and simulation of digital multipliers using 180nm technology	International Conference on Applied Engineering Sciences and Management (ICAEM-18)
5	Mrs. Sahana Salagare	Survey on energy harvesting system for underwater devices	International Conference on Applied Engineering Sciences and Management

National conference publications

Sl. No.	Name of the faculty	Title of the paper	Title of conference, place, date, ISSN:/ISBN

1	Mr. Sampath Kumar S	Artificial intelligence based solar vehicle	National Conference on Electronics and Communication engineering, NCEC- 2019
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List of Research Publications for the Academic Year 2017-18

Details of research publications			
https://drive.google.com/drive/folders/1cejqOmx0By79M5CCkyagj5VsgYMPKebD?usp=sharing			
Book publications			
Sl. No.	Name of the faculty	Title of the book	Publication details (Publisher, ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. B Surekha	Medical imaging and its security in telemedicine applications	Springer briefs in applied sciences and technology, Springer, 2019, ISBN 978-3-319-93311-5, ISSN: 2191-530x https://www.scimagojr.com/journalsearch.php?q=21100321695&tip=sid&clean=0 https://www.springer.com/us/book/9783319933108
2	Dr. B Surekha	Advanced compression and watermarking techniques for speech signals	Springer briefs in speech technology, Springer, 2018, ISBN 978-3-319-69069-8 https://www.springer.com/in/book/9783319690681
3	Dr. B Surekha	Classification in bioapps- Automation of decision-making lecture notes in computational vision and biomechanics	Springer, Series Vol. 26, ISSN: 2212-9391 ISBN 978-3-319-65980-0 ISBN 978-3-319-65981-7 (Ebook) https://www.springer.com/in/book/9783319659800 https://www.scopus.com/sourceid/21100380994
4	Dr. B Surekha	U-healthcare monitoring systems Design and applications	Elsevier, 1st edition, Vol. 1, ISBN: 9780128153703 https://www.elsevier.com/books/u-healthcare-monitoring-systems/dey/978-0-12-815370-3
Book chapter publications			
Sl. No.	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. B Surekha	A hybrid watermarking technique for copyright protection of medical signals in teleradiology	Handbook of research on information security in biomedical signal processing, chapter 17, pp.320-349, 2018 ISBN: 9781522551522
2	Dr. B Surekha	Secured optimal cost approach for bimodal deep face recognition in IOT and its applications	Handbook of research on big data management and the internet of things for improved health systems, IGI global, USA, chapter 10, 2018, pp.163-175. [Doi: 10.4018/978-1-5225-5222-2.ch 010]
3	Dr. B Surekha	Video text extraction and mining	Mining multimedia documents, CRC press/ Taylor and Francis group, chapter 13, pp.173-192, 2017, ISBN 9781138031722
4	Dr. B Surekha	Medical imaging and its objective quality assessment: an introduction, studies in LNCVB series	Springer eBook, chapter 1, pp.3-32, ISBN 978-3-319-65981-7, ISSN: 2212-9391 https://www.scopus.com/sourceid/21100380994 https://link.springer.com/chapter/10.1007/978-3-319-65981-7_1

5	Dr. B Surekha	ECG based myocardial infarction detection using hybrid classification techniques	Studies in LNCVB series, Springer, eBook, chapter 3, pp.57-78, ISBN 978-3-319-65981-7 ISSN: 2212-9391 https://www.scopus.com/sourceid/21100380994 https://link.springer.com/chapter/10.1007/978-3-319-65981-7_3
6	Mrs. Pragati P, Dr. B Surekha	Machine learning based plant leaf disease detection and severity assessment techniques	State-of-the-art, studies in LNCVB series, springer, eBook, chapter 8, pp. 199-226 ISBN 978-3-319-65981-7, ISSN: 2212-9391 https://www.scopus.com/sourceid/21100380994 https://link.springer.com/chapter/10.1007/978-3-319-65981-7_3
7	Dr. B Surekha	ECG signal dimensionality reduction based atrial fibrillation detection	Studies in LNCVB series, Springer, eBook, ISBN 978-3-319-65981-7, ISSN: 2212-9391 pp.383-406 chapter 14 https://www.scopus.com/sourceid/21100380994 https://link.springer.com/chapter/10.1007/978-3-319-65981-7_14 Citations: 3
8	Dr. B Surekha	A BioApplication for Accident Victims' Identification using Biometrics	Studies in LNCVB Series, Springer, Chapter 15, pp.407-447, [EBook ISBN 978-3-319-65981-7] ISSN: 2212-9391 https://link.springer.com/chapter/10.1007/978-3-319-65981-7_15 https://www.scopus.com/sourceid/21100380994

Journal publications

Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. Shanathi Prasad M J	A technical survey of important research works in VLSI test scan architecture	International Journal of Emerging Technology and Advanced Engineering, Vol.7, no. 10, pp 552-556, 2017, ISSN: 2250-2459
2	Dr. Shanathi Prasad M J	Comprehensive study of popular VLSI test scan architecture	International Journal of Engineering Research & Technology, Vol.6, No 11, pp 377-385, 2017, ISSN: 2278-0181.
3	Dr. Shanathi Prasad M J, Mrs. Aruna Rao B P	Overview of differential ended I/O logic families	International Journal of Engineering Research and Technology, Vol.6, no. 11, pp. 1-6, 2017, ISSN: 2278-0181
4	Dr. B Surekha	Digital image watermarking tools: state-of-the-art	Frontiers in Artificial Intelligence and Applications, Vol.296, pp.450-459, 2017, ISSN: 09226389, Doi: 10.3233/978-1-61499-785-6-450 https://www.scimagojr.com/journalsearch.php?q=19500157321&tip=sid&clean=0
5	Dr. B Surekha	A RONI based visible watermarking approach for medical image authentication	Journal of Medical Systems, Springer, Vol.41:143, [Doi: 10.1007/s10916-017-0795-3] WoS 2018 Journal Impact Factor2.415 https://www.scimagojr.com/journalsearch.php?q=23710&tip=sid&clean=0 https://link.springer.com/article/10.1007/s10916-017-0795-3 https://www.scopus.com/sourceid/23710 Citations:8
6	Dr. B Surekha	A steganographic approach for secure communication of medical images based on DCT-SVD and compressed sensing (CS) theory	Imaging Science Journal, Vol.65, No 8, pp.457-467. 2017, Doi: 10.1080/13682199.2017.1367129] WoS 2018 Journal Impact Factor0.846 https://www.scimagojr.com/journalsearch.php?q=25962&tip=sid&clean=0 https://www.tandfonline.com/doi/abs/10.1080/13682199.2017.1367129

			https://www.scopus.com/sourceid/25962 Citations:8
7	Dr. B Surekha	An efficient medical image watermarking scheme based on FDCUT–DCT	Engineering Science and Technology an International Journal, Vol.20, no.4, pp. 1366-1379, 2017, Doi: 10.1016/j.jestch.2017.06.001 2215-0986 https://www.scimagojr.com/journalsearch.php?q=21100806003&tip=sid&clean=0 https://www.sciencedirect.com/science/article/pii/S2215098617304287 https://www.scopus.com/sourceid/21100806003 Citations:24
8	Dr. B Surekha	Crowd density estimation using image processing: A survey	International Journal of Applied Engineering, Vol. 13, pp. 6855-6864, 2018. ISSN: 0973-4562 https://www.scimagojr.com/journalsearch.php?q=21100217234&tip=sid&clean=0 https://www.rpublication.com/ijaer18/ijaerv13n9_48.pdf
10	Dr. B Surekha	A colour image steganography in hybrid FRT–DWT domain	Journal of Information Security and Application s, Vol.40, pp. 92–102, 2018, ISSN:2214-2134, Doi: 0.1016/j.jisa.2018.03.004 WoS 2018 Journal Impact Factor1.537 https://www.scimagojr.com/journalsearch.php?q=21100332403&tip=sid&clean=0 UGC Link: https://mjl.clarivate.com/search-results WoS2018 Journal Impact Factor1.537 https://www.sciencedirect.com/science/article/abs/pii/S2214212617305495 https://www.scopus.com/sourceid/21100332403 Citations:7
11	Dr. B Surekha	Secure transmission and integrity verification of color radiological images using fast discrete curvelet transform and compressive sensing	Smart Health , Vol. 12, pp 35-48, 2019, doi.org/10.1016/j.smhl.2018.02.001 https://www.scopus.com/sourceid/21100894507 https://www.sciencedirect.com/science/article/abs/pii/S2352648317301095 Citations: 9
12	Dr. B Surekha	A watermarking algorithm for multiple watermarks protection using RDWT-SVD and compressive sensing	Informatica: An International Journal of Computing and Informatics, Vol.41, no.4, pp. 479–493, 2017 https://www.scimagojr.com/journalsearch.php?q=25507&tip=sid&clean=0 http://www.informatica.si/index.php/informatica/article/view/1671 https://www.scopus.com/sourceid/25507 Citations 6
13	Dr. B Sudarshan	Power theft detection in agriculture and field protection	International Journal of Latest Engineering and Management Research, Vol. 03, No. 03, pp 80-90, 2018, ISSN: 2455-4847
14	Dr. B Sudarshan	High protection voiceidentification-based bank locker security system with live image authentication	International Journal for Research in Applied Science & Engineering Technology, Vol.6, No6, pp 401-406, 2018, ISSN: 2321-9653

15	Mr. Santhosh Kumar B R	Proposed method of ophthalmic perimeter for vision field testing	International Journal of Creative Research Thoughts, Vol.6, No 2, pp.1486-1491, 2018, ISSN: 2320-2882
16	Mrs. Sangeetha V	Leap motion-controlled wheelchair	International Journal of Latest Technology in Engineering, Management & Applied Science, Vol. 2, No. 4, pp 163-166, 2018, ISSN: 2278-2540.
17	Mrs. Sangeetha V	Body area network (BAN) based security card system: A survey	International Journal of Recent Engineering Research and Development, Vol.3, No. 4, pp 63-68, 2018, ISSN:2445-8761
18	Mrs. Prathima B A	Obstacle avoiding robot using arm controller-a survey	International Journal of Latest Engineering and Management Research, Vol. 03, No .4, pp. 68-75, 2018, ISSN: 2455-4847.
19	Mrs. Prathima B A	Smart tool kit for the visually impaired – A survey	International Journal of Latest Engineering and Management Research, Vol. 03, No .4, pp. 52-57, 2018, ISSN: 2455-4847
20	Mrs. Pragati P	Fuel pump dispensing system	International Journal of Latest Engineering and Management Research, Vol.3, No .3, pp-1-6, 2018, ISSN: 2455-4847
21	Mrs. Lakshmi H R	Digital water marking tools and overview	International Journal of Information and Computer Security, Inderscience, [ISSN: 17441765] [In Press] https://www.scimagojr.com/journalsearch.php?Q=19400156805&tip=sid&clean=0 https://www.scopus.com/sourceid/19400156805
22	Mrs. Aruna Rao B P	A survey on can based vehicle monitoring system	International Journal of Creative Research Thoughts, Vol.6, No 2, pp.526-534, 2018, ISSN: 2320-2882 Impact factor: 5.97

International conference publications

Sl. No.	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN: SCI/Scopus/UGC Indexed Link, No. of Citations
1	Dr. Shanthy prasad M J	Fusion based face recognition system using 1d transform domains	International Conference on Advances in Computing & Communication s, ICACC-2017 august 2017, pages 1-8 doi: 10.1016/j.procs.2017.09.095 Citations: 2
2	Mrs. Lakshmi H R	Digital MCB	IEEE International Conference on Smart Technology for Smart Nation, REVA university, Bangalore, august 17-19 2017, pp.1416-1420. ISBN:978-1-5386-0569-1 IEEE link: https://ieeexplore.ieee.org/document/8358617
3	Mrs. Prathima B A, Dr. P N Sudha	Electronic sensors for micron resolution dimension measurement	IEEE international Conference on Electrical, Electronic Communication, Computer Technologies and Optimization Techniques, GSSSIETW, Mysuru. 15-16 December 2017, ISBN:978-1-5386-2361-9 DOI: 10.1109/ICEECCOT.2017.8284528 IEEE link: https://ieeexplore.ieee.org/document/8284528
4	Dr. B Surekha	Real-time facial recognition using deep learning and local binary patterns	Springer International Conference on Ethical Hacking- (EHACON -2018), Institute of Engineering & Management, Kolkata, West Bengal, India, April 6th-7th, 2018. ISBN:978-981-13-1544-2

5	Mrs. Jayasudha B S K, Dr. P N Sudha	PCG acquisition and analysis for detection of cardiac failures at early stages	International Conference on Bio Engineering on Health and Environment ICBHE'2018 Satyabhama institute of science and technology, Chennai, 8 th -10 th January 2018, ISBN:978-93-83409-40-2
6	Mrs. Sahana Salagare	A smart catamaran cruise	International Conference on Recent Trends in Technology 2k18 in collaboration with reputed journal IJCA & IJERT-ICRTT 2 k18, SDMIT, ujire, Dharamsthala, Karnataka, India
National conference publications			
Sl. No.	Name of the faculty	Title of the paper	Title of conference, place, date, ISSN:/ISBN
1	Mrs. Jayasudha B S K	A survey on monitoring stress levels of an individual by different techniques	Evolution 2017, Instrumentation society of India, RNS institute of technology, Bangalore. 24th-25th September
2	Mrs. Jayasudha B S K	A survey on WBAN (wireless body area network) and its applications	Evolution 2017, Instrumentation society of India, RNS institute of technology, Bangalore. 24th-25th September