



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
LIST OF RESEARCH PUBLICATIONS
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 (E-book) 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/dev/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 Bio Application 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. Shanthi 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. Shanthi 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. Shanthi 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.ripublication.com/ijaer18/ijaerv13n9_48.pdf

10	Dr. B Surekha	A colour image steganography in hybrid FRT–DWT domain	Journal of Information Security and Applications, 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	<u>Smart Health</u> , 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. Shanthi 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, Ujiri, 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