



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
LIST OF RESEARCH PUBLICATIONS
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/B978012816086200114
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. <u>Impact factor :5.87</u>
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. <u>Impact factor: 5.87</u>
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. <u>Impact factor : 5.87</u>
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. <u>Impact factor: 5.87</u>
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. <u>Impact factor: 5.87</u>
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. <u>Impact factor: 5.87</u>
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. <u>Impact factor: 5.87</u>
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. <u>Impact factor: 5.87</u>
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. <u>Impact factor: 5.87</u>
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. <u>Impact factor: 5.87</u>
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. Lakshmi H R	A survey on robotic application s in surveillance and rescue – aid	International Journal for Research in Applied Science & 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/ <u>Impact factor: 5.87</u>
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/ <u>Impact factor: 5.87</u>
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/ <u>Impact factor: 5.87</u>

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 Datasciences, Machine Learning and Applications, ICDSMLA 2019, CMR Institute of Technology, Hyderabad, 29th-30th March 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	Mrs. Lakshmi H R	Study and simulation of digital multipliers using 180nm technology	International Conference on Applied Engineering Sciences and Management (ICAEM-18)
4	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