

R& D for UG: Publications

K.S. INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

2016-17

Book Chapters: 04

1. Surekha Borra, Nilanjan Dey, Amira. S. Ashour, "Video Text Extraction and Mining", Mining Multimedia Documents, CRC Press, Taylor & Francis Group, Chapter 13, pp.173-192, 2017, [ISBN 9781138031722].[DOI: DOI: 10.1201/9781315399744-14]
2. B Surekha, Kanchan Nazare Jayant, ViswanadhaRaju S, Nilanjan Dey, "Attendance Recording System Using Partial Face Recognition Algorithm", Intelligent techniques in signal processing for multimedia security, Springer SCI series, Vol. 660, Chapter 13, pp.293-319, 2017, [ISBN: 978-3-319-44790-2], [DOI:10.1007/978-3-319-44790-2_14] - Scopus Indexed
3. Lakshmi H R, B Surekha, ViswanadhaRaju S, "Real Time Implementation of Reversible Watermarking", Intelligent techniques in signal processing for multimedia security SCI Series: Vol. 660, 2016, Springer Studies in Computational Intelligence (SCI) series, Vol. 660, 2017, Chapter 5, pp.113-132. [ISBN: 978-3-319-44790-2] [DOI:10.1007/978-3-319-44790-2_6] -Scopus Indexed
4. B. Surekha, S. Viswanadha Raju, Lakshmi HR, "Visual Cryptography based Lossless Watermarking for Sensitive Images", SEMCCO 2015, Springer series on Lecture Notes in Computer Science (LNCS), Vol. 9873, Chapter 3, pp.29-39, 2016. [ISBN 978-3-319-48959-9], [DOI: 10.1007/978-3-319-48959-9_3] -Scopus Indexed

International Journal Publications: 08

1. Dr. P. N Sudha, Navya.R, "An Automatic Wireless Multimedia Communication System to Detect accident of Vehicle and Mobile Telemedicine System", International Journal of Innovative Research in science Engineering and Technology [IJIRSET], Vol. 6, No. 3, pp.1111-1116.[ISSN: 2319-8753]
2. Dr.P.N.Sudha, Srividya L, "Literature Survey on Recent Audio Encryption Techniques", International Journal of Electronics and Communication Engineering and Technology (IJECET), Vol. 7, No. 6, 2016, pp. 91-95, [ISSN: 0976-6472].
3. Surekha Borra, Sivaranjani Reddi, "Identity-based Signcryption Group key Agreement Protocol using Bilinear Pairing", Informatica, Vol. 41, No.1, pp. 31–37, 2017. [ISSN: 0350-5596, Scopus Indexed]
4. Sangappa SB, Dr Sanjeev Gupta , Dr C Keshavamurthy, "Dynamic Network State Learning Based Power Management Model for Network Condition Aware Routing protocol

- (NCARP)", Advances in wireless and Mobile Communications (AWMC), , Volume 10 , No 3, 2017 , pp. 389-421,[**ISSN 0973-6972**]
5. Sangappa SB, Sanjeev Gupta, C. Keshavamurthy, "Cross Layered Network Condition Aware Mobile WSN Routing Protocol for Vehicular Communication System", International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No.9, 2016, pp.1114-1121, ISSN: 1947-5500.
 6. Vishalini Divakar, Dr. M. S. Raviprakash, Dr. B. K. Keshavan, "A Survey on Methods of Evaluation of Reliability of Distribution Systems with Distributed Generation", International Journal of Engineering Research and Technology (IJERT), Vol. 5, No. 8, 2016, pp. 220-226, **[ISSN: 2278-0181]**
 7. Jaya sudha BSK, Sushma S N, Pooja. R, S Navya Sri, Sumithra B, "Sensovision- An Aid for visually impaired", International Journal of Engineering Research and Technology (IJERT), Vol. 4, No. 22, 2016, pp. 76-79, ISSN: 2278-0181**[ISSN: 0974 –3154]**
 8. Sahana Salagare, Dr. PN Sudha, Dr. Karthik P., "A Survey on Applications and Challenges of Underwater Wireless Sensor Node", International Journal of Engineering Trends and Technology (IJETT), Vol. 41, No. 4, 2016, pp. 201-204, **[ISSN: 2231-5381]**. DOI: 10.14445/22315381/IJETT-V41P238

National Journal Publications: 00

International Conference Publications: 08

1. Dr. P.N Sudha, "Proposed algorithm to minimize multipath fading and ISI for underwater communication" IEEE International Conference on Electrical, Electronics, and Optimization Techniques(ICEEOT), Chennai, India, 3-5 March 2016, pp.2069-2071.DOI: 10.1109/ICEEOT.2016.7755180
2. Dr. P. N. Sudha, Devika B, "Execution of PA Fish Eye State Protocol to Amend Power", IEEE International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), Chennai, India, 3-5 March 2016, pp.2680 - 2684, DOI: 10.1109/ICEEOT.2016.7755180.
3. Dr P N Sudha, Navya. R, "An automatic wireless Multimedia Communication System to Detect accident of Vehicle & mobile telemedicine System" , International Conference on Computer Science & Technology Allies in Research, City Engineering College, Bangalore, 11th- 12th May 2017.
4. B. Surekha, Ritu P Simha, Sri nithya S, Sneha P K, Rabichith, " Array-based Graphical Password Authentication", International conference on Signal, Image Processing, Communication & Automation (ICSIPCA-2017), JSS Academy of Technical Education, Bengaluru, 6th & 7th July, 2017.
5. Dr. Supriya VG, Logistic Map for Cancellable Biometrics, International Conference on Advanced Material Technologies ICAMT-2016, Dadi Institute of Technology, Vishakhapatnam, Andhra Pradesh, 27th -28th Dec 2016.
6. Sangappa , Dr Sanjeev Gupta, Dr C keshavamurthy, " Cross Layer Architecture Based Mobile WSN Routing Protocol for Inter - vehicular Communication", 3rd IEEE International Conference on Computational Intelligence & Communication Technology (CICT 2017), ABES Engineering college , Ghaziabad , UP, 9-10 Feb 2017

7. D. V. Rajeshwari Devi, Dr. K. Narasimha Rao, "A Multimodal Biometric System using Partition based DWT and Rank Level Fusion", IEEE International Conference on Computational Intelligence and Computing Research, Agni College of Technology, Chennai, Tamil Nadu, 15th-17 th Dec 2016.
8. S.Christo Jain, Dr.Manju VC, "Wireless Power Transfer System for Home Applications", 2nd International Conference on Computer Sceince & Technology Allies In Research (ICCSTAR-2017), City Engineering COLlege, Bangalore, 11th-12th May 2017.

National Conference Publications: 45

1. Dr.P.N.Sudha, Navya. R, "Smart Wireless Automatic Collision Detection of Vehicle & Mobile Telemedicine System", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 7-12, ISBN: 97881-929425-0-6.
2. Dr.P.N.Sudha, Navya. R, "Automatic Solar Tracking for Better yielding green house using GSM", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 28-32, ISBN: 97881-929425-0-6.
3. Dr.M.J.Shanthi Prasad, Ranjana.D, Spoorthi.K.V, V.Ramya, Vinutha.K, "Smart City", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 78-81, ISBN: 97881-929425-0-6.
4. Dr.M.J.Shanthi Prasad, Sachin S, Manoj M R, Shishir C, Prajith S, "Rf Based Automatic Speed Limiter for Vehicle", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 66-68, ISBN: 97881-929425-0-6.
5. Dr.M.J. Shanthi Prasad, Swathi Y, "Communication Device for Deaf, Dumb and Blind People using Raspberry-Pi", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 13-19, ISBN: 97881-929425-0-6.
6. B. Surekha, Vandana. M.V, Vinutha.R, Vidya.H.S, V.S. Harathi, "Device to assist Alzheimer's Patient", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 103-108, ISBN: 97881-929425-0-6.
7. Dr.Supriya.V.G, Manasa.M, Arpitha.R, Bhavya.P, Lokesh.K.C, "HAN Based smart ATM", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 51-57, ISBN: 97881-929425-0-6.
8. Dr.Supriya. V.G, Bipani Sharma, "ZigBee Based Smart Management of Renewable Energy System", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 61-65, ISBN: 97881-929425-0-6.
9. Dr.Supriya.V.G, Nihanth.k, Pavithra.S, NikhilGowda.B.V , "Automation, Digitalization And Security Of Blood Banks", National Conference on Recent Trends & Applications In

- Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 86-88, ISBN: 97881-929425-0-6.
10. Dr.Supriya.V.G, Sowmya.B.K, Yukesh R, Kishan Kumar Thunga.R, Sneha.G.M, "Fire Detection and Automatic Intimation to the Fire Station", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 235-238, ISBN: 97881-929425-0-6.
 11. Dr.Supriya.V.G, Nagabhushana Bhat S.C., Harshith R, "Stroboscope Monitoring Device", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 195-199, ISBN: 97881-929425-0-6
 12. K. V. Madhava Murthy, Mukesh Chandra.V, Rakshitha.G.R, Ranjitha.P, Rohith.M.G, "Vehicular Ad-Hoc Networks (VANET)", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 37-40, ISBN: 97881-929425-0-6
 13. K. V. Madhava Murthy, Nithin Joshua P, Shivakumar B, Sudarshan Shanbhag, Vinay Kashyap M, "Automated Energy Metering System Using GSM on Arduino", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 231-234, ISBN: 97881-929425-0-6.
 14. Sangappa , Yasmeen G , " survey on approaches to Eco Friendly Technologies To Go Green", 46th ISTE National Convention and national Conference on Intelligent technologies for better tomorrow, Gulzar Group of institutions , Ludhiana , Punjab on 12th Feb 2017.
 15. Sangappa S B, Prajwal M S, Chethan kumar K V, Ajay kumar L G, Harshavardhan, "Intelligent off-grid solar system", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2, pp 82-85, ISBN: 97881-929425-0-6.
 16. Sangappa S B, Sudha R, Sukriti Singh, Suma R, Tasmia Fathima, " Mind Controlled Robotic Arm", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 167-171, ISBN: 97881-929425-0-6.
 17. Dr. Sudarshan. B Sukanya G.R , Monisha B.N , Divya . R , Arpitha K, National "Design Of Efficient Filter System Foraccurate Extraction And Labeling Of A Fetal ECG", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 223-224, ISBN: 97881-929425-0-6.
 18. Dr. Sudarshan. B Anusha.N, Chaitra H.S,Keerthana.A, Meghana Sridhar, "SMART GADGET FOR TWO WHEELERS", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 109-114 ISBN: 97881-929425-0-6.
 19. B.R.Santhosh Kumar, Madegowda D.L, Sai chethan .B, Sai pramod .R, Sandeep K .B, "Power Generation For Smart Street Lights And Toll Gates", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 58-60, ISBN: 97881-929425-0-6.

20. B.R.Santhosh Kumar, M. Harshavardhan Naidu ,Harshavardhan G, Thota Sangeetha, U Hema, "Automotive Railway Protection and Info Systems", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.69-73, ISBN: 97881-929425-0-6.
21. Vishalini Divakar, Paramesh M, Raghapriyan G, Suraj B, Varsha S Bhat, "Smart Bag: An Innovative Approach For Students", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.69-73, ISBN: 97881-929425-0-6.
22. Vishalini Divakar, Sharana Kumar M, Santhosha C S, Shilpa B C,Lavanya D, "Zigbee Based Industrial Fault Diagnosis System", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 74-77, ISBN: 97881-929425-0-6.
23. Jaya Sudha B S K, Chethana Gowda, Jayashree, "Body area network and wireless personal area networking for healthcare", 30th CSI Karnataka students convention, K.S. Institute of Technology, Bangalore, 10th-12th Nov 2016.
24. Jaya Sudha B S K Kishan V K S , Gaurav M Jain, Diwakar, "Bank Locker Security System based on RFID and GSM Technology", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.225-230, ISBN: 97881-929425-0-6.
25. Jaya Sudha B S K Daiva prasad S , Kavitha S , Chaitra K R , Vijay kumar CK, "Wireless Nanosensor based health monitoring device and development of Mobile Phone App", , National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.157-160, ISBN: 97881-929425-0-6.
26. Jaya Sudha B S K Manisha Jayson , Manikanta S Rao , Joshna J G , "Wearable Health monitoring technologies and devices - A wide angle view", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.127-129, ISBN: 97881-929425-0-6.
27. Jaya Sudha B S K Chethana.N.Gowda , Jayashree Kavya National Design Issues in Implementing Clothing To National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.23-27 ISBN: 97881-929425-0-6
28. Sampath Kumar, S Ramakanth. K, Archana Rao, Suraj. R.S., .Jameel Ahmed. S., "Automatic Ration Disbursement using Android Authentication", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 123-126, ISBN: 97881-929425-0-6.
29. Sunil Kumar G R "Divyashree.N , Lavanya.A , Chithrarekha.H, "Protoype design of surveillance robot for rescue operation using Smart Dust", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 119-122, ISBN: 97881-929425-0-6.
30. Sangeetha. V,, Bhavani B.S, Bhavya M, Gonuguntla Rajitha, "Speech To Action For Disabled Persons National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp94-98, ISBN: 97881-929425-0-6.

31. Praveen. A, Suchitra.K, Sunil Kumar.S.R, Vandanasree.S, Vinay Kumar Keshari, "Design And Development of Low Area and Low Power Digitised Costas Loop on FPGA ", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 4-6, ISBN: 97881-929425-0-6
32. S.Christo Jain, Akshay upadhya, Bharathesh N, Hardhik B R, Kushal N, "SMATRe: Home Automation Using Esp8266", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 175-178, ISBN: 97881-929425-0-6.
33. S.Christo Jain, Dr.Manju VC, Dr.PN Sudha, Real Time Smart Wireless Power Transfer System for Small Scale Applications using Aerial Projector, National COncference on Electronics, Signals and Communications (NCESC-2017), GSSS Institute of Engineering and Technology for Women, Mysore, 29th May 2017.
34. Saleem S Tevaramani, Puneeth N,Roja C,Sanketh D, Abhishek A, "ARM Processor Based Power Theft Monitoring and Automatic Billing using CEB System", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 74-77, ISBN: 97881-929425-0-6.
35. Saleem S Tevaramani, Nikhil Gowda B V, Nihanth K, Pavan B V, "Hybrid Technology to Charge Battery Using Surrounding Sound", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 172-174, ISBN: 97881-929425-0-6.
36. Saleem S Tevaramani, "Sanjay.S, Shaheen Shah M, Sunil Kumar.C, Venkateshwara Raju.S, "Remote Authentication of Steganographic Biometric System", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp 208-212, ISBN: 97881-929425-0-6
37. Prathima B.A, Akshay krishna V, Akshay kumar B.S, Jeevan D.B, Sharan kumar D, "Suraksha Robot", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.161-166, ISBN: 97881-929425-0-6
38. Pragati. P Palarlapalli, Munirathnam Rohith Babu, Praditha Reddy .S, Ramamurthy Sumedha, S.Bhargav, "Automated Blood Availability Tracking System Using IoT For Hospitals", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.99-102, ISBN: 97881-929425-0-6.
39. Anitha Senthil Kumar, shmitha Prem, Sushmitha Gowda, Anuradha,Swetha, "Smart Healthcare during Pregnancy", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.89-93, ISBN: 97881-929425-0-6.
40. Sahana Salagare Nagarjun J,Dileep Kumar N,Bharath R,Mohan Kumar P, "A Smart Robotic Vehicle to Survey the Ocean", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp.33-36, ISBN: 97881-929425-0-6.
41. Lakshmi HR, Navitha T, Nishchitha N, Sanjana K S, "Introduction to FinFET technology- scope, applications and challenges", National Conference on Recent Trends & Applications

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42. Lakshmi H R, Rakshith V, Sanket S, Hiremath, Rohit Manjunath, "Wireless power transfer using renewable energy", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 152-156, ISBN: 97881-929425-0-6.
43. Lakshmi H R, Manjula V, Nalme S, Sindhu H, Usha H, "A Survey on Various Biometric Systems", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 200-207, ISBN: 97881-929425-0-6
44. Vikram Ramesh Lakkavalli, Akhil G. S., Meghana Manjunath, Pavan P. Kubair, Priyadarshini, "Improving Naturalness of Concatenation Based TTS Output", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 213-216, ISBN: 97881-929425-0-6.
45. Priyadarshini J. Patil, Rakesh S B, Sonika N, Sunil C R, Thejaswi Patel Y S, "Audio Spotlighting", National Conference On Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 20-22, ISBN: 97881-929425-0-6.