**RESUME**

1.**Name:** Dr. T.Satya Savithri

2.**Designation& Address:**  Professor

MoU Coordinator & BoS Chair,

Dep. of Electronics and Communication Engineering

JNTUH College of Engineering, Science and Technology, Hyderabad, Kukatpally, Hyderabad, Telangana State, India-500085.

Email : [tirumalasatya@gmail.com](mailto:tirumalasatya@gmail.com)

tirumalasatya@jntuh.ac.in

Mobile No. 9866706183.

3.**Academic Qualifications:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Examinations** | **Name of the Board / University** | **Year of passing** | **Percentage of marks obtained** | **Division/ Class/ Grade** | **Subject** |
| High School/ SSC | Govt. High School, Board of Secodary Edu, AP | 1984 | 70% | First | Composite Maths |
| Diploma in Electronics and communication Engg. | KNPW, Hyderabad,State Board of Tech.Edu. A.P | 1987 | 79.15% | First with Distinction | Electronics &Communication Engg |
| Under Graduate  B.Tech. | REC Warangal  Kakatiya Uni. | 1992 | 73.81% | First with Distinction | Electronics &Comm. Engg |
| Post Graduate  M.E | College of Engg.  Osmania | 1997 | 70.72% | First | Microwave &Radar Engg. |
| Ph.D\* | In the Dept. of Electronics and Communication Engg. JNTU | 2006 | --- | --- | Digital Image Restoration Techniques |

4. **Working Experience:**

|  |  |  |  |
| --- | --- | --- | --- |
| Designation | Department/college/uni | Date of actual joining | |
| From | To |
| R&D Engg. | M/SFRONTIER Telecom Pvt Ltd | 15-06-1992 | 04-08-1995 |
| Teaching  Faculty | CBIT Hyderabad | 01-09-1995 | 30-09-1997 |
| Lecturer | KSRM College of Engg. Kadapa | 03-10-1997 | 27-11-1999 |
| Asst. Professor | ECE, JNTU | 29-11-1999 | 04-10-2002 |
| Asst.Professor.Sr. | ECE, JNTU | 04-10-2002 | 07-11-2006 |
| Assoc.Professor | ECE,JNTU | 07-11-2006 | 31-12-2012 |
| Professor | ECE,JNTUH | 01-01-2013 | Till date |

**Additional posts held:**

|  |  |  |  |
| --- | --- | --- | --- |
| Designation | Department/college/uni | Date of actual joining | |
| From | To |
| Assoc.Professor& Coordinator | R&D Cell, JNTUH | 27-06-2009 | 02-08-2010 |
| Assoc.Professor & Deputy Warden for Girls Hostel | JNTUH college of Engg.,JNTUH | 03-08-2010 | 04-02-2011 |
| Professor&  office-in-charge of examinations | JNTUH college of Engg, JNTUH | 23-09-2013 | 05-12-2015 |
| Professor &HOD | ECE, JNTUH College of Engg, | 23-11-2016 | 28-12-2018 |
| Professor &  MOU coordinator | ECE, JNTUH College of Engg., | 07-05-2019 | Till date |
| Professor & MoU coordinator & BoS chair (University) | ECE, JNTUH College of Engg., | 30-03-2022 | Till date |

5.  **Publications:**

International Journals: 75

National Journals:4

International conference:52

National conference:9

Total : 140

H-index : 15

**(i) International Journals:**

1. **Dr. T Satya Savithri,** Jagatti Kanchana Lokshmii, “Neural Network Based Traffic Sign Tracking, Detection and Recognition from Video”, Journal of Optoelectronics Laser, Volume 41 Issue 10, October, 2022, pp 328 -335, ISSN: 1005-0086, Pb: Tianjin Daxue Jidian Fenxiao/Tianjin Innstitute of Technnology , ugc No. 28158
2. D. Hari Krishna , Jigar Patel , M. C. Chinnaaiah , I. A. Pasha and **T. Satya Savithri,** “Multiclass Motor Imagery Data Classification Using Deep Learning Method For BCI Application”, ARPN Journal of Engineering and Applied Sciences, VOL. 16, NO. 23, December, 2021, ISSN 1819-6608, pp 2475 -2482 , ugc no. 8551
3. G Sandhya, K Giri Babu, **T Satya Savithri**,”Segmentation of WM, GM, and CSF from the Brain MRIs Using an Advanced Metaheuristic Approach” IETE Journal of Research, July 2021, ISSN:3772063 Pb: Taylor & Francis. <https://doi.org/10.1080/037720632021.1946434>, 2021. IF:1.877, ugc no:30109
4. V Manohar, G Laxminarayana, **T Satya Savithri,**’’Image compression using explored bat algorithm by Renyi 2-d histogram based on multilevel thresholding’’, Evolutionary Intelligence, Vol.14, PP:75-85, Springer Berlin Heidelberg, March, 2021, 18645917, 18645909, Impact Score: 3.17, UGC journal no.29041
5. G Sandhya, K Giri Babu, **T Satya Savithri,** “MR Brain Image Segmentation to Detect White Matter, Gray Matter, and Cerebro Spinal Fluid Using TLBO Algorithm”, International Journal of Image and Graphics, January, 2021, World Scienti¯c Publishing Company,ISSN:2301-3699, scopus, ugc no:46333
6. G Sandhya, K Giri Babu, **T Satya Savithri,** “Tumor Segmentation by a Self-Organizing-Map based Active Contour Model (SOMACM) from the Brain MRIs”, IETE Journal of Research, 30 Jun 2020, Taylor & Francis, ISSN:3772063, ugc no:30109, IF:1.877. SCI
7. Dharmavaram Asha Devi, **Tirumala Satya Savithri**, Sai Sugun J, “Satellite Tracking Data Acquisition System Using Reconfigurable SoC”, Journal of Xi’an University of Architecture and Technology, March, 2020, Volum XII, Issue III, pp 4471-4479, ISSN No : 1006-7930. Citations:4.
8. G Sandhya, K Giri Babu, **T Satya Savithri,**” Segmentation of Magnetic Resonance Brain Images Using the Advanced Ant Colony Optimization Technique,” Journal of Biomimetics, Biomaterials and Biomedical Engineering, February 2020, ISSN: 2296-9845, Vol. 44, pp 37-49,ugc no: 21650
9. Talla Vamshi, **T. Satya Savithri,** "Validation of Hybrid Network-on-Chip Architecture for Optimized Performance using BookSim Simulator", in International Journal of Recent Technology and Engineering, volume. 8, issue. 6, pp. 3393-3397, March, 2020, ISSN: 2277-3878, Pb:Blue Eyes Intelligence Engineering & Sciences Publication, IF: 1.0
10. Dharmavaram Asha Devi, **Tirumala Satya Savithri**, Sai Sugun J.“Design and Implementation of Real Time Data Acquisition System using Reconfigurable SoC, International Journal of Advanced Computer Science and Applications, Vol. 11, No. 9, January, 2020, pp 325-331,  ISSN 2156-5570 (Online), ISSN : 2158-107X (Print), Pb: SAI organization open access, Scopus indexed. IF: 1.1, Citations:4
11. Bhuvaneshwari, R Hemalatha, **T Satya Savithri**, “Dynamic Neural Networks with Semi Empirical Model for Mobile Radio Path Loss Estimation,January 2020, DOI:[10.1007/978-3-030-24318-0\_15](http://dx.doi.org/10.1007/978-3-030-24318-0_15), In book: Advances in Decision Sciences, Image Processing, Security and Computer Vision (pp.119-129)
12. [Sridevi, R.](https://www.scopus.com/authid/detail.uri?authorId=57210141777), [Chandra Sekhar, P.](https://www.scopus.com/authid/detail.uri?authorId=57216608039) [Kumar, V.R.](https://www.scopus.com/authid/detail.uri?authorId=56386587400), [**Satya Savithri, T.**](https://www.scopus.com/authid/detail.uri?authorId=23996151800)“FDTD modeling with passive shielding for crosstalk reduction in coupled RLC interconnects” International Journal of Recent Technology and Engineering, September,  2019, 8(3), pp. 4965–4970, ISSN: 2277-3878, Scopus, IF:1.0
13. [Sridevi, R.](https://www.scopus.com/authid/detail.uri?authorId=57210141777), [Chandra Sekhar, P.](https://www.scopus.com/authid/detail.uri?authorId=57216608039), [Madhavi, B.K.](https://www.scopus.com/authid/detail.uri?authorId=55221738500), **[Savithri, T.S.](https://www.scopus.com/authid/detail.uri?authorId=23996151800)** “FDTD modeling for crosstalk reduction in coupled rlc interconnects with active shielding” International Journal of Innovative Technology and Exploring Engineering,  September, 2019, 8(11), pp. 1038–1042, ISSN: 2278-3075 (Online), Scopus
14. Bhuvaneshwari, R Hemalatha, **T Satya Savithri,**” Comparison of Meta-heuristic algorithms for Mobile Radio Path Loss Model Optimization”, International Journal of Advanced Computational Engineering and Networking, ISSN(p): 2320-2106, ISSN(e): 2321-2063 Volume-7, Issue-9, Sep.-2019, pp 42-49
15. **Dr. T. Satya Savithri,** M. Sampath, “ VLSI Architectures for Mean and Median Filters for Noise Removal in Chest Radio Graphs”, Journal of Advance Research in Dynamical and Control and systems, Vol.11, 07, July, 2019 special issue, pp:169-173, ISSN: 1943-023X, Pub: Institute of Advance Scientific Research, IF:1.67, ugc no.26301
16. G Sandhya, Kande Giri Babu, **T Satya Savithri,** ”An efficient MRI Brain Tumor Segmentation by the Fusion of Active contour Model and Self Organizing Map”, Journal of Biometics, Biomaterials and Biomedical Engineering, February, 2019, vol.40, pp 79-9, ISSN : 2296-9837, Trans Tech Publications Ltd., IF: 0.81, Citations:8. SCIE/SSCI indexed
17. SK Chaya Devi, **T Satya Savithri,**” A Review-on Segmentation of Nodules from Posterior and Anterior Chest Radiographs”, International Journal of Biomedical Imaging, October,2018, Pub: Hindawi, open access, ISSN: 1687-4188 (Print), ISSN: 1687-4196 (Online) Citations-4, pp1-12
18. Bhuvaneshwari, R Hemalatha, **T Satya Savithri,** “Path Loss Model Optimization using Stochastic Hybrid Genetic Algorithm”, International Journal of Engineering &Technology ,Volume 7,No 4.10, October, 2018,SPECIAL ISSUE 10, pp.464-469,ISSN: 2077-1185 (Online) 2227-2712 (Print)
19. K Punnam Chandar, **T Satya Savithri,** B Swarnalatha,” Automatic Segmentation of Multi Class Images with NLS model ”, International Journal of Biomedical Engineering and Technology, September, 2018, vol.28, Issue.1, pp:81-104, Pub: Inder science Publishers (IEL). Scopus (Elsevier), ISSN (print): 1752-6418, ugc list: 2644
20. D Sanjay, P Rajesh Kumar, **T Satya Savithri**, “ Hardware and Software Codesign Methodology for Implementing Algorithms of Person Follower Robotic System”, International Journal of Mechanisms and Robotic Systems, 2018, Vol.4,issue.2,pp89-106,Pub: Inderscience Publishers (IEL). ISSN: 2047-7244 Citations:1
21. Kishore Vennela, MC Chinnaaiah, Sanjay Dubey, **Satya Savithri** ,“An FPGA Based Classical Implementation of Branch and Remove Algorithm”, Microelectronics, Electromagnetics and Telecommunications, 2018, Springer, Singapore,pp:523-533, Part of the Lecture Notes in Electrical Engineering book series (LNEE,voleme 471)
22. D Hari Krishna, I.A. Pasha, **T Satya Savithri**,”Multi level voting method to classify Motor Imagery EEG signals”, ARPN Journal of Engineering and Applied Sciences, vol.11, June, 2018 , ISSN1819-6608, Asian Research Publishing Network, pp. 3815-3819. Ugc no:8551
23. D Hari Krishna, IA Pasha, **T Satya Savithri**, “classification of motor imagery EEG signals using ensemble classifiers & cross-correlation”, International Journal of Engineering & Technology, 7(2.6)(2018) pp163-167, Sciencepubco.com/inde.php/IJECT, SPC. Open access article distributed under the Creative Commons Attribution Liense. Multiclass
24. D. Karunakar Reddy, **T Satya Savithri**, “Interference rate code allocation for Direct Sequence Sprad Spectrum Coding”, International Journal of Advanced Research of Engineering and Technology, 2018.
25. D. Karunakar Reddy, **T Satya Savithri,**”Optimal Signal Acquisition and Estimation using Engergy interpolation in DSSS coding”, Journal of Advanced Research in Dynamical and Control System, 2018.
26. G Sandhya, Kande Giri Babu, **T Satya Savithri**,” Segmentation of MR Images of the Brain to Detect WM, GM, and CSF Tissues in the Presence of Noise and Intensity Inhomogeneity”, IETE Journal of Research , January, 2018, ISSN: 0377-2063 (Print) 0974-780X (Online), Taylor & Francis, ugc no:30109, IF:1.877.
27. SVS Prasad, **T Satya Savithri**, Iyyanki V Murali Krishna,” Performance Evaluation of SVM kernels on Multispectral LISS III Data for Object Classification”, International Journal on Smart Sensing & Intelligent Systems, December, 2017, Vol.10,issue.4.pp:829-844,ugc list 7791
28. Bhuvaneshwari, R Hemalatha, **T Satya Savithri,** “Modified Empirical Mobile Radio Path Loss model for Indoor Propagation”, International Journal of Advanced Research Methodology in Engineering & Technology, ISSN 2456-6446 Volume 1, Issue 5, December 2017,pp:13-18, ugc No: 48673, IAEME Publication
29. G Sandhya, Kande Giri Babu, **T Satya Savithri,** ”Multilevel Thresholding method based on Electromagnetism for accurate brain MRI segmentation to detect white matter, Gray matter and CSF”, Bio Med Research International, November, 2017, ISSN: 2314-6133 (Print), Hindwai. Ugc no. 14762, IF:3.26, SCI

1. Bhuvaneshwari, R Hemalatha, **T Satya Savithri**, “Comparative Analysis of Advanced Statistical Techniques for Optimization of Hybrid Mobile Radio Path Loss Model “, International Journal of Advanced Research in Engineering and Technology(IJARET),vol.8, issue4, July-August2017,pp:54-70, ISSN Print: 0976-6480 and ISSN Online: 0976-6499.
2. G Sandhya, Kande Giri Babu, **T Satya Savithri,** “An Efficient Computational Approach for the detection of MR Brain Tissues in the presence of Noise and Intensity Inhomogeneity” , Journal of Biometics, Biomaterials and Biomedical Engineering, July, 2017,Vol.33,pp:65-79, ISSN: 2296-9845 Pub: Trans Tech Publications, citations-5. IF: 0.81, Ci SCIE/SSCI indexed.
3. G Sandhya, Kande Giri Babu, **T Satya Savithri**,” A Novel approach for the detection of tumor in brain MR images and its classification via Independent Component Analysis and Kernel Support Vector Machine”, Imaging in Medicine (2017) Volume 9, Issue 3,pp:33-44, ISSN: 1755-5191. Pub:Future Medicine Ltd., ugc no.20596
4. TN Ramdeep M. Sampath, **Dr. T. Satya Savithri**,” Detection of nodules and end-on blood vessels in CT scan image of Lungs”, International Journal of Advanced Research Methodology in Engineering & Technology, ISSN 2456-6446 Volume 1, Issue 4, July 2017, PP:12-17, ISSN: 2349-2819
5. SVS Prasad, T Satya Savithri, Iyyanki V Murali Krishna, “Comparison of Accuracy Measures for RS Image Classification using SVM and ANN Classifiers”, International Journal of Electrical and Computer Engineering (IJECE),Vol.7, issue.3, pp:1180-87, June, 2017, citation-14. ISSN: 2088-8708
6. K.Rajendra Prasad.K,Srinivasan.M and Satya Savithri.T, “Risk Sensitive Filter for MOMO-OFDM System Channel Estimation using Combined orthogonal Pilot Approach under Parameter Uncertainty” Global Journal of Computer Science and Technology,E-Network, Web and Security,GJCST, Volume 17, Issue2, Version1.0,May,2017,Pub: Global Journal Inc.(USA), ISSN:0975-4172 &Print ISSN:0975-4350.
7. A Bhuvaneshwari, R Hemalatha, **T Satya Savithri,**”Development of an Optimized Ray path loss in the Indoor Environment”, Wireless Personal Communications, May,2017, vol.96, issue.1,pp:1039-1064, ISSN:0929-6212Pub: Springer US. Ugc no.33023, SCI
8. K.Rajendra Prasad.K, Srinivasan.M and **Satya Savithri.T,** “Risk Sensitive Filter for Quasi Static Fading Channel Estimation of OFDM System under Parameter Uncertainty”, Advances in Wireless and Mobile Communications, volume 10, number 1, January, 2017. Pp 27-27, Reasearch India Publications, ISSN:0973-6972, (UGC Recognized and ICI indexed).
9. D Sanjay, P Rajesh Kumar, **T Satya Savithri,**”OCR Training and Simulation for Person Follower Robot in Indoor Environment”, British Journal of Applied Science & Technology 17(3): 1-8, 2016, Article no.BJAST.28973 ISSN: 2231-0843, NLM ID: 101664541, September, 2016, citations-1.
10. M.V.Sreeraj, **T.Satya Savithri**.” Prioritizing and Handling Congestion in Voip Flows Using Diffserv Model”, International Journal of Advances in Engineering Research, (IJAER) , Vol. No. 11, Issue No. V, May, 2016, e-ISSN: 2231-5152, p-ISSN: 2454-1796

1. K Punnam Chandar, **T Satya Savithri,**’ 3D Face Shape Estimation from Single Face Image using Modified Differential Evolution Algorithm’,International Journal of Information Processing, 10(1),PP: 67-76, 2016 ISSN : 0973-8215 IK International Publishing House Pvt. Ltd., New Delhi, India, ugc list:22945
2. K Punnam Chandar, **T Satya Savithri**,”Recent-Structure-From-Motion Algorithms 3D Shape Reconstruction, IJCSNS, April, 2016, Vol.16, Issue.3, pp:107, citations-1.
3. D Hari Krishna, IA Pasha, **T Satya Savithri,**” Classification of Motor Imagery Multi Class Signals based on Cross Correlation”, Procedia Computer Science, vol.85, pp:490-95,Elsevier Pub,January ,2016, Citations-10.
4. K. P. Chandar and **T. Satyasavithri,** “Depth estimatin using hybrid optimization algorithm,” Journal of Computational Information Systems, vol. 11, no. 19, October, 2015, pp:7103-7112, ISSN: 1553-9105, UGC List 6880.SCI
5. D Sanjay, P Rajesh Kumar, **T Satya Savithri,**”Fuzzy Control for Person Follower FPGA based Robotic System”, Indian Journal of Science and Technology, Vol. 8, Issue.23 september, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645,2015,citations-2.
6. G Sandhya, K Giri Babu, **T Satya Savithri**,”Performance Evaluation of active contour methods for detection of brain tumor in MRI images”, International Journal of Biomedical Engineering and Technology, Vol.18, Issue.2,pp:210-226, ISSN: 1752-6418 Pub: Inderscience Publishers (IEL),2015, citation-7. Ugc no. 2644
7. K. Punam Chandar and **T. Satyasavithri**, ,”Depth Estimation from Single Face Image using Modified Differential Evolution”, Recent Advances in Computer Science, ISBN: 978-1-61804-320-7, pp:335-339.
8. K. Punam Chandar and **T. Satyasavithri**,” Face Depth Estimation Using Differential Evolution and Iterative Soft Thresholding Algorithm”, Recent Advances in Computer Science, ISBN: 978-1-61804-320-7, pp308-313.
9. Mr. S.V.S.Prasad , **Dr. T. Satya Savithri** & Dr. Iyyanki V. Murali Krishna, “Techniques in Image Classification; A Survey” Global Journal of Researches in Engineering: F Electrical and Electronics Engineering, Volume 15 Issue 6 Version 1.0 Year 2015: Online ISSN: 2249-4596 & Print ISSN: 0975-5861, citations-7.
10. Chinnaiah, M.C, Kumar, P.R.; **Savithri, T.S**., " Hardware Efficient Scheme for Indoor Environment Using Grid Mapping " British Journal of Applied Science & Technology, ISSN: 2231-0843 , Vol 10 issue 4. pages1-6, July,2015, citations-2.
11. K. P. Chandar and **T. Satya Savithri**, “3-D face model estimation based on similarity transform using differential-evolution optimization,” Procedia Computer Science, Vol.54, pp:621-630, Jan 2015,Pub: Elevier, citations-1.
12. Chinnaiah, M.C, Kumar, P.R., **Savithri, T.S.**, " A Novel approach for Real-Time Obstacle avoidance in indoor environments with Hardware Architecture using Embedded Robot " International Journal of Applied Engineering Research (IJAER), ISSN 0973-4562 Volume 9, Number 24, (2014) pp. 26495-26507 (SCOPUS INDEXED). Print ISSN 0973-4562, Online ISSN 0973-9769 IF:1.3, UGC journal No. 64529 (41)
13. D.Hari Krishna, I A Pasha,  Rakesh Sengupta, T.**Satya Savithri**, "Brain Computer Interface for mobility-a case study with ALS patient"  International Journal of Applied Engineering Research (IJAER), SSN 0973-4562, vol 9 ( 24), pp. 26055-26070, 2014(Scopus Indexed), Print ISSN 0973-4562, Online ISSN 0973-9769 IF:1.3, UGC journal No. 64529
14. Rajendra Prasad.K, Srinivasan.M and **Satya Savithri.T,** “Robust fading channel estimation under parameter and process noise uncertainty with risk sensitive filter and its comparison with CRLB”, WSEAS Transactions on Communications, volume13, 2014, pages 363-371, ISSN:22242564, Greece, (Scopus indexed)citations-2.
15. K. P. Chandar and **T. Satyasavithri,** “Pose invariant face recognition using dt-cwt partitioning and kpca,” Global Journal of Computer Science and Technology, vol. 14, no. 5, 2014.
16. S.Javeed Hussain,**T.Satya Savithri,** “A Dynamic algorithm to Isolate Non-Cerebral Tissues of Brain MR Images”, International Journal of Emerging Technologies in Computational and Applied Sciences IJETCAS, Vol. 3, No. 14-794, Nov 2014, PP: 250-253, ISSN (Print): 2279-0047 ISSN (Online): 2279-0055.
17. Talla Vamshi , **T.Satya Savithri,** “ An NoC architecture for real time SoC applications with modified CDMA scheme”, International Journal of VLSI and Embedded Systems-IJVES, Vol 05, Article 05341; May 2014,pp:991-998 ISSN: 2249 – 6556
18. Mr. S.V.S.Prasad, **Dr. T. Satya savithri,**  Dr.Iyyanki V. Murali Krishna, “Object Classification of Satellite Images Using Cluster Repulsion Based Kernel Fcm and Svm Classifier” IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) , e-ISSN: 2278-2834,p-ISSN: 2278-8735.Volume 7, Issue 3(Sep. -Oct. 2013), PP 25-35, Citations-5.
19. S.Javeed Hussain,**T.Satya Savithri**, “Detection of Hydrocephalus Lateral Ventricles Quantitatively in Brain MRI Images of Infants”, International Journal of Computer Applications IJCA, Vol. 83, No. 15, Dec 2013, Pub: Foundation of Computer Science.PP:12-15, 0975-8887, UGC list 63153
20. S.Javeed Hussain,**T.Satya Savithri,** “Segmentation of Healthy Tissues and Glial Tumor with Quantitative Analysis on MRI images”, IJERT, International Journal of Engineering Research & Technology, Vol. 2, No. 11, Nov,2013, PP: 969-991, ISSN: 2278-0181
21. D Karunakar Reddy, **T. Satya Savithri,** ”Area Efficient Rapid Signal Acquisition Scheme for High Order DSSS signal”, International Journal of Computer Networks & Communications, Vol.5,No.2, Issue.3,ISSN0974-9322(online), 0975-2293(print),, March,2013,Pub: Academy & Industry Research Collaboration Center (AIRCC), pp71-82
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24. G.Jagadeeswar Reddy,T.Jayachandra Prasad,M.N.Giriprasad,M.Madhavi latha**,T.Satya Savithri,** *“Curvelets with new quantizer for image compression”,***Global Journal Of Computer Science And Technology,**Volume 12 Issue 8 Version 1.0 April 2012,Online ISSN 0975-4172 Print ISSN 0975-4350.
25. S.Javeed Hussain,**T.Satya Savithri**, PV Sridevi *“Segmentation of Tissues in Brain MRI images using Dynamic Neuro-Fuzzy Techniques”*, **International Journal of Soft Computing and Engineering**, Vol.1, issue-6, Jan 2012, PP: 416-423.

1. SVS Prasad, **T Satya Savitri,** IV Murali Krishna,” Classification of multispectral Satellite Images using clustering with SVM Classifier”, **International Journal of Computer Applications, Vol 35, Issu.5, December, 2011.**
2. S.Javeed Hussain,**T.Satya Savithri**, **“***Hybrid System Applications in Computer Vision- A Review”,* **International Journal of Multidisplinary Research and advances in Engineering,** *Vol.3, No.IV, October 2011, pp15-22,ISSN 0975-7074.*
3. S.Javeed Hussain,**T.Satya Savithri**,P.V.Sreedevi and S.Asif Hussain***,“****Segmentation of Pathologicl and Healthy Tissues with Reduced Weighted Vectors Using Hybrid Intelligene Technique"*, **International Journal of Engineering Research and Industrial Applications(IJERIA)***, Vol.4, No.II, May 2011, pp315-321. ISSN:0974-1518.*
4. S.Javeed Hussain,**T.Satya Savithri**,P.V.Sreedevi and S.Asif Hussain *“A Hybrid Neuro-Fuzzy Approach For Segmentation of Subcortical Brain Structures"*, **International Journal of Engineering Research and Industrial Applications(IJERIA)***, Vol.4, No.II, May 2011, pp267-278. ISSN:0974-1518.*
5. V.Sumalatha**, Dr .T.Satya Savithri** ,*“Router Control Mechanism For Congestion Avoidance In CDMA Based IP Network”*, **International Journal of Information Technology and Knowledge Management,** July-December 2010 ,Volume 2, No2,PP 465-470.
6. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p **“***Unsupervised Fuzzy Based Vessel Segmentation in Pathological Digital Fundus Images*”, **Journal on Medical Systems. (SPRINGER),** [Vol.34, Number 5](http://www.springerlink.com/content/0148-5598/34/5/), pp.849-858, October, 2010. ISSN: 0148-5598 (Print), 1573-689X (Online).
7. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p “*Automatic Detection of Microaneurysms and Hemorrhages in Digital Fundus Images*”, **Journal of Digital Imaging. (SPRINGER)**,[Vol. 23, Number 4](http://www.springerlink.com/content/0897-1889/23/4/), pp.430-437, August, 2010. ISSN: 0897-1889 (Print), 1618-727X (Online).
8. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p “*Feature Extraction in Fundus Images*”, **Journal of Medical and Biological Engineering**, Vol. 29, Issue 3, pp. 122 – 130, June, 2009. ISSN: 1609-0985.
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10. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p “*Retinal Vessel Extraction in Digital Fundus Images***”, Advances in Computer Science and Engineering**, vol.2, Issue 1, pp. 33 – 50, March 2008. ISSN: 0973-6999.
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**(ii) National Journals:**

1. Rama Kalavathi Marapareddy,Ajay Bandi and **Satya Savithri Tirumala *“****Cloud Computing Architectures: A Retrospective Study****”*, Journal of Innovation in Computer Science and Engineering,** ISSN 2278-0947,www.gniindia.org Volume 2,Issue 1(Jul-Dec2012),pp01-05.
2. **Dr.T.Satya Savithri,** V.N.Lakshmana Kumar,D Hari hara Santhosh**,** *“A finite Radon cosine Transfor for Texure Image Compression”* , **Technology Spectrum**, Vol.4N0.2,pp9-21, July 2010.ISSN: 0974-6854.
3. T. **Satya Savithri,** Dr. K.Satya Prasad **“***Comparison of Images based on LSMSE”,* **Journal of the Institution of Engineering,** pp37-39,May2007.
4. **Satya Savithri T**, **“***ImageRestoration by Wiener Filter and Iterative Blind Deconvolution”,* **Convergence Digest, Journal of Convergence Technologies**, volume- III, pp77-81, November 2003. ISSN: 0972-722.

**(iii) International Conferences:**

1. SilpaKesav Velagaleti, **Dr. T. satya Savithri,** D. Shravan kumar, “I A low power APB with an Area Efficient Structure”, **International Conference on Innovations in Engineering and Technology(ICIET-2022),** 15-17September, 2022, UIIC JNTUH, pp. 94
2. SilpaKesav Velagaleti, **Dr. T. satya Savithri,** D. Shravan kumar, P.Anil Kumar”*Design of Bank Locker Security System using Gated D-Latch”,* **International Conference on Innovations in Engineering and Technology(ICIET-2022),** 15-17 September, 2022, UIIC JNTUH, pp. 93.
3. Dharmavaram Asha Devi, **Tirumala Satya Savithri**, ” Monitoring and Controlling of ICU Environmental status with WiFi implementation on Zync SoC:,ICISC 2021,JCT College of Engineering and Technology, Coimbatore, 7-8th January, 2021.
4. TN Ramdeep, M Sampath, **T Satya Savithri**, “ Detection of Nodules and end-on vessels in CT scan image of Lungs”, International conference, 2018.
5. Kishore Vennela, MC Chinnaaiah, Sanjay Dubey, T.**Satya Savithri**, “Implementation of Mobile Robot Navigation Mechanism Using FPGA: An Edge Detection-Based Approach”, 2018, International Conference on Innovative Computing and Communications, pp 215-222.
6. Talla Vamshi , **Dr. T. Satya Savithri**,” Real Time Network on Chip (NOC) Architecture with CDMA Techniques with Audio Decoders”, 10th Int'l Conference on Innovations in Science, Engineering, Computers and Technology (ISECT-2017) Oct. 17-19, 2017 Dubai (UAE)
7. MC Chinnaaiah, Sanjay Dubey, K Anusha, P Rajesh Kumar, **T Satya** **Savithri**,”*AVersatile Autonomous Navigation algorithm for smart Indoor Environment using FPGA based Robot*”, **International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT)**, 6th July, 2017,pp:1196-1200, Pub:IEEE.
8. G Sandhya, Giri Babu Kande, **T Satya Savithri** “*An efficient method for the detection of White Matter, Gray Matter and Cerebrospinal Fluid from MR Images of brain using an advanced Multilevel Thresholding”*, **Third International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB)**, 27th February, 2017,pp:422-426,Pub:IEEE.
9. G Sandhya, Giri Babu Kande, **T Satya Savithri,”***Detection of Normal and Abnormal tissues in MR Images of the Brain using Multilevel Advanced Thresholding Technique and Kernel SVM Classifier*”, **International Conference on Computer Communication and Informatics (ICCCI),** IEEE-2017.DOI:10.1109 inventive.2016.780247, 5th January, 2017, pp:1-10, Pub:IEEE, citations-1.
10. **T Satya Savithri**, SK Chaya Devi,” *Nodule Detection from Posterior and Anterior Chest Radiographs with different Methods”*, **Future Technologies Conference (FTC)**, 6th December,2016, pp:504-515.
11. A.Bhuvaneswari, Hema Latha, **T.Satya Savithri**, “Performance Evaluation of Dynamic Neural Networks for Mobile Radio Path Loss Prediction”, 2016 IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON) Indian Institute of Technology (Banaras Hindu University) Varanasi, India, Dec 9-11, 2016, pp:461-466.
12. D Karunakar Reddy, **T Satya Savithri**,” *Optimal Coding Pattern for DSSS coding with Interference Minimization”*, **International Conference on Inventive Computation Technologies (ICICT)**, 26th August, 2016,vol.3,pp:1-5,Pub:IEEE.
13. A.Bhuvaneswari, Hema Latha, **T.Satya Savithri**,” Semi Deterministic Hybrid model for Path Loss prediction improvement”, 2nd International Conference on Intelligent Computing, Communication & Convergence (ICCC-2016), Conference Organized by Interscience Institute of Management and Technology Bhubaneswar, Odisha, India, PP: 336-344.
14. **T Satya Savithri,** SK Chaya Devi, ‘Nodule detection from posterior and anterior chest radiographs with different methods’2016/12/6,2016 Future Technologies Conferences, PP:504-515, IEEE
15. D Sanjay, MC Chinnaiah, **T Satya Savithri,** P Rajesh Kumar,” A Survey of reconfigurable Service Robots”, **International Conference on Research Advances in Integrated Navigation Systems (RAINS),** 6th April, 2016,Pub: IEEE,pp;1-4,Citations-4.
16. D Hari Krishna, IA Pasha, **T Satya Savithri**, “Autonomous Robot control based on EEG and Cross-correlation”, 10th International Conference on Intelligent Systems and Control (ISCO), 2016, on 7th January, 2016, pp:1-4, Pub:IEEE, citations-4.
17. D Hari Krishna, IA Pasha, **T Satya Savithri,** *“Classification of EEG Motor imagery multi class signals based on Cross Correlation”,* **International Conference on Computational Modelling and Security, CMS2016, Elsevier,** [**www.sciencedirect.com**](http://www.sciencedirect.com)procedia computer science, 1877-0509© publish by Elsevier.pp: 491-495
18. K. P. Chandar and **T. Satya Savithri,** *“3D face model estimation based on Similarity Transform using Differential Evolution Optimization,”* Procedia Computer Science, vol. 54, pp. 621–630, 2015,Elsevear.
19. K. P. Chandar and **T. Satya Savithri**, *“Face depth estimation using Differential Evolution and Iterative Soft Thresholding Algorithm,”* in **Recent Advances in Computer Science. INASE,** 2015, pp. 308–313.
20. K. P. Chandar and **T. Satya Savithri**, *“Depth estimation from single face image using modified differential evolution,*” in Recent Advances in Computer Science. **INASE, 2015**, pp. 335–339.
21. Chinnaiah, M.C, **Savithri, T.S**.Kumar, P.R., *" A Novel Approach in Navigation of FPGA Robots in Robust Indoor environment "* International IEEE Conference on,Advance Robotics and Intelligent systems **(ARIS -2015)**, Taipei, Taiwan, 2015 29-31 May. 2015.
22. D Sanjay, P Rajesh Kumar, **T Satya Savithri**,”Robotic System using fuzzy logic for person *follower”,* **International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO), 2015**,24th January, 2015, pp:1-4,Pub:IEEE, citations-2.
23. A.Bhuvaneswari, **T.Satya Savithri**, Hema Latha,*“Path Loss Prediction Analysis by Ray Tracing Approach for NLOS Indoor Propagation”*, IEEE, [Signal Processing And Communication Engineering Systems **(SPACES)**, 2015](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7052448)  Dept of ECE, K L UNIVERSITY. Guntur, Date of Conference:2-3 Jan.2015,Page(s):486-491, INSPECAccessionNumber:14998269, DOI:[10.1109/SPACES.2015.7058202](http://dx.doi.org/10.1109/SPACES.2015.7058202)
24. K. P. Chandar and **T. Satya Savithri**, *“3D structure estimation using Evolutionary Algorithms based on Similarity Transform,”* in **Modelling Symposium (AMS)**, 2014 8th Asia. IEEE, 2014, pp. 134–140, citations-1.
25. K. P. Chandar and **T. Satya Savithri,** *“DT-CWT sub-band partitioning for face recognition,”* in **Industrial and Information Systems (ICIIS)**, 2014, 9th International Conference on. IEEE, 2014, pp. 1–5.
26. MrS.V.S.Prasad**, T. Satya savithri,** and Iyyanki V. Murali Krishna, *“A NEW TECHNIQUE FOR COLOR BASED IMAGE SEGMENTATION USING SUPPORT VECTOR MACHINES.”* International conference on medical imaging ,m-health & emerging communication systems. (MEDCOM 2014), **IEEE CONFERENCE**, **NOV 7th -8th 2014,** PP:189-192,Pub:IEEE, citations-2.
27. D Sanjay, **T Satya Savithri**, P Rajesh Kumar, *“Person follower Robotic System*”,  **International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2014**, 10th July, 2014, pp:1324-1327,citations-6.
28. Chinnaaiah, M.C,P.Padma, Kumar, P.R. **Savithri, T.S**., *"A Novel approach in Implementation of Rendezvous behavioural control between FPGA Robots”* Advance Robotics and Intelligent systems (**ARIS -2014)**, Taipei, Taiwan, 2014 International IEEE Conference on, 6-8 Jun. 2014, pp: 97-102,citations-7.
29. A.Bhuvaneswari, **T.Satya Savithri**, Hema Latha, *“Statistical Validations of the Developed Empirical Power model for dense urban region”* International Conference on Systems Engineering, Management, and Innovation (**ICSEMI 2014).**  Washington DC. USA. 26th to 27th March 2014. <http://www.advenaworld.com/accepted-papers--continued-.html>
30. Rajendra Prasad.K, Srinivasan.M and **Satya Savithri.T,***”Robust time-varying fading channel estimation with risk sensitive filter under parameter and process noise uncertainty”***, IEEE - ICICES, IEEE International conference on Information Communication and Embedded Systems**, 27-28, February, 2014, Dept. of PG studies in Engineering, SA Eng. College, Chennai, ISBN:978-1-4799-3835-3, (Published in IEEE explore).
31. MrS.V.S.Prasad**, T. Satya savithri,** and Iyyanki V. Murali Krishna**,**  *“A Robust Clustering Technique for Color Based Image Segmentation”*by **International Conference Image Processing,Computers and Industrial Engineering (ICICIE’2014) ,** Jan 15-16, 2014, Kuala Lumpur (Malaysia),citations-1.
32. Chinnaiah, M.C., G.Divya Vani ; Kumar, P.R., **Savithri, T.S.**, *" Implementation of ShortestPath Planning Algorithm without track using FPGA Robot: A New Approach,"* Advance Electrical Engineering **(ICAEE),** 2014 International IEEE Conference on , 9-11 Jan. 2014.
33. Talla Vamshi, **T Satya Savithri**, “*A Modified CDMA Scheme based NOC Architecture for SOC Applications*”, **IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia), 2013**, 19th December,2013, pp:137-142, PubL IEEE,citations-1.
34. D.Hari Krishna, N V Jagadeesh, I. A. Pasha, **T.Satya Savitri**, *”BCI Controller Based on Imagery activity using shortest path algorithm”*, **IEEE Asia Pacific Conference on Postgraduate Research in Microeletronics and Electroncs Primeasia-2013**, GITAM University, Visakhapatnam, DOI: 10.1109/PrimeAsia.2013.6731180, 19th December 2013,pp:68-72, Pub:IEEE, citations-2.
35. A.Bhuvaneswari, **T.Satya Savithri**, Hema Latha, *“Development of an Empirical Power model and Path Loss Investigations for Dense Urban Region in Southern India*”, 11th Malaysia International Conference on Communications **MICC 2013** Kuala Lumpur, Malaysia, 26th - 28th November 2013, Pg(s) 500-505, INSPEC Accession Number: 14266103, DOI**:**[10.1109/MICC.2013.6805881](http://dx.doi.org/10.1109/MICC.2013.6805881), 978-1-4799-1532-3/13/$31.00 ©2013 IEEE,
36. A.Bhuvaneswari, **T.Satya Savithri**, Hema Latha, *“Statistical Tuning of the Best suited Prediction Model for Measurements made in Hyderabad City of Southern India.”* Proceedings of the World Congress on Engineering and Computer Science , **WCECS 2013,** Vol II , , 23-25 October, 2013. San Francisco, USA,ISBN: 978-988-19253-1-2 ISSN:2078-0958(Print);ISSN:2078-0966(Online), citations-19.
37. A.Bhuvaneswari, **T.Satya Savithri**, Hema Latha, *“Path Loss Modelling and Optimisation of COST-231 Hata Prediction Model.”* Proceedings of 2nd International Conference on innovations in Electronics and Communication Engineering **(ICIECE-2013)**, 9-10th August 2013, Pg 39- 44. Guru Nanak Institutions, Hyderabad.
38. A.Bhuvaneswari, **T.Satya Savithri**, Comparative Analysis of Mobile Radio Path Loss Models for suburban Environment in Southern India, International Conference on “Emerging Trends in VLSI, Embedded Systems, Nano Electronics &Telecommunication Systems” Jan 7-9, 2013 at S.K.P Engineering College. Tiruvannamalai. Proceedings of conference published in IEEE. 978-1-4673- 5301-4/13, [Comparative analysis of mobile radio path loss models for suburban environment in Southern India | IEEE Conference Publication | IEEE Xplore](https://ieeexplore.ieee.org/document/6496544)
39. Chinnaiah, M.C.; Sanjay, D.; Kumar, P.R.; **Savithri, T.S.**, *"A Novel approach and Implementation of Robot path planning using Parallel processing algorithm*", Communications, Devices and Intelligent Systems **(CODIS)**, 2012 International IEEE Conference on, vol., no., pp. 345,348, 28-29 Dec. 2012 doi: 10.1109/CODIS.2012.6422209.
40. **Dr.T.Satya Savithri,**S.K.Chaya Kumari, *“Comparative study of different techniques used for optimizing parameters of fuzzy C means clustering algorithm”*,International Conference on Recent Advances in Design ,Development and operation of micro air vehicles**(ICRAMAV-2012),**Dec 10-12 ,2012 JNTUH Campus,Hyderabad.
41. Rama Kalavathi Marapareddy,Ajay Bandi,and **Satya Savithri Tirumala**“*Cloud computing architectures: A Retrospective study”*, **Proceedings of International Conference on Innovation in Electronics and Communication Engineering(ICIECE-2012),** 20th&21st July 2012.
42. K.Rajendra Prasad, M.Srinivasan and **T.Satya Savithri,** *“Fuzzy extended Kalman Filter to estimate Rayleigh Fading Channel with PSAM for MIMO-OFDM”*, **IEEE-ICDCS, International conference on Devices, Circuits and Systems**, Coimbatore, ISBN:978-4577-1545-7, 15-16 March2012,
43. K.Punam Chander ,**T.Satya Savithri**,M.Mahesh Kumar,M.Raman Kumar, “*Suitability of Complex Wavelets towards Face Recognition*”, Proceedings of the 2011 **International Conference on Image Information Processing(ICIIP 2011).**
44. S Javeed Hussain,  **Satya Savithri**, PV Sree Devi, “ *Segmentation of Brain MRI with statistical and 2D Wavelet features by Neural Networks*”, **3rd International Conference on Trendz in Information Sciences and Computing (TISC), 2011,** 8th December, 2011**,** pub;IEEE, PP. 154-159.
45. Sanjay, M.C.Chinnaiah, **Dr. T. Satya savithri**, Dr. P. Rajesh Kumar, *“Simulation of Reconfiguration in Robots for multiple tasks”*, Proceedings of the **First International Conference on Emerging trends in Signal Processing & VLSI Design**.**(SPVL2010),** page.109, June’2010.
46. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p, MRN Tagore M,“*Detection of Red Lesions in Digital Fundus Images*”, **2009** **IEEE International Symposium on Biomedical Imaging**, Massachusetts, U.S.A., 28 June- 1 July, 2009. ISBN ~ ISSN:1945-7928 , 978-1-4244-3931-7.Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p, “*Segmentation of Exudates and Optic Disk in Retinal Images*”, **IEEE Indian Conference on Computer Vision, Graphics and Image Processing – 2008**, Bhubaneswar, **IEEE Computer Society Press**, pp. 535-542, December 16-19, 2008. ISBN: 978-0-7695-3476-3.
47. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p **“***Retinal Vessel Segmentation Using Spatially Weighted Fuzzy C-Means Clustering with Adaptive Contribution from Red Channel*”, **IEEE INDICON-2008**, IIT, Kanpur, pp.1-6,11-13 December, 2008. ISBN 978-0-7695-3476-3.
48. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p **“***Retinal Vessel Segmentation Using Histogram Matching*”, **2008 IEEE Asia Pacific Conference on Circuits and Systems**, China, pp.129-132, 30 Nov - 3 Dec 2008. ISBN: 978-1-4244-2341-5.
49. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p “*Retinal Vessel Segmentation using Local Relative Entropy Thresholding*”, **IEEE International Conference on Systems, Man and Cybernetics – 2008**, Singapore, pp.3448-3453, 12-15, October, 2008. ISBN: 978-1-4244-2384-2.
50. Giri Babu Kande, **Satya Savithri T**,Venkata Subbaiah p.“*Extraction of Exudates and Blood Vessels in Digital Fundus Images*”, **IEEE 8th International Conference on Computer and Information Technology 2008**, Sydney, Australia, **IEEE Computer Society press**, pp. 526-531, 8-11 July, 2008. ISBN: 978-1-4244-2357-6.
51. **T.Satya Savithri ,** Dr. K.Satya Prasad**, “***Denoising of Images using Bivariate Shrinkage”,* **Internationa Conf. on Bio-medical Electronics & Telecomm,** AU, Vizaq,pp Dec’2004.
52. **T.Satya Savithri ,** Dr. K.Satya Prasad, *“Blind Deconvolution in Image Restoration*” , **International Conf. on Emerging Technology**, KIIT, Bhubaneswer.

**(iv) National Conferences:**

1. *T. Vamshi and* ***T. S. Savithri****, "NOC architecture with Direct Sequence Spread Spectrum*

*coding techniques,"* ***2011 Annual IEEE India Conference****, Hyderabad, 2011, pp. 1-5,*

*doi: 10.1109/INDCON.2011.6139407.*

1. A.BharaniKrishna,M.C.Chinnaiah,SanjayDubey,Dr.P.RajeshKumar,**Dr.T.Satya Savithri***“Simulation of Shortest Path Algorithm for Novel Robotic Wheel Chair****”,* National Conference on Assistive Technology,** July, 29-31,2011, BVRIT, Hyderabad and University of Massachusetts, Lowell, USA.
2. **T.Satya Savithri ,** V.N.Lakshmana Kumar,D Hari hara Santhosh, *“Improved Compression factor in Still Images by the combined effect of DCT and Ridgelets”* **National Conf. on UTSAV,** Kavikulgu Inst. Of Tech &Science,28-29 Dec.2009.
3. **T.Satya Savithri ,** V.N.Lakshmana Kumar,D Hari hara Santhosh *“Comparison of still images using wavelets ,Ridgelets, wavelets and DCT”,* **National conf. on Signal Processing Comm**. 04-05 Dec. 2009
4. **T.Satya Savithri ,** V.N.Lakshmana Kumar,D Hari hara Santhosh, *“Image compression using Wavelets”,* **National Conf. on ASP, AU (DST),** Nov 20-21, 2009
5. **T.Satya Savithri,** K.Satya Prasad, *“Image Restoration”,* **National conference on Control Instrumentation,** MIT, Manipal, Nov’2004
6. **T.Satya Savithri,** K.Satya Prasad, *“Denoising of Images Using Wavelets”*, **National Conf. on Multimedia Technologies and Applications,** KITS, Coimbatore July, 2004
7. **T.Satya Savithri,** K.Satya Prasad, *“ Removal of Salt and Pepper Noise in Degraded Images”,* **National Conf. on Emerging Trends SE & IT,** Feb’2004.
8. **T.Satya Savithri,** K.Satya Prasad, *“Wiener Filter for Image Restoration”* **National Conf. on MINAC** Dec’2002.

**6.** **Workshops/Refresher Courses/Short term courses:**

**(i) Attented**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No** | **Programme** | **Duration** | **Organized by** |
| 1 | Short term computer Programming course in “BASIC” | One Month | Passed examination on 7th July 1988 |
| **2** | Short term computer Programming course in “COBOL” | One Month | Passed examination on 21st August 1988 |
| 3 | Short term Training Programme on “Internet and JAVA” | 4weeks  09-08-200 to 08-09-2000 | JNTU, Anantapur |
| 4 | Summer School on VLSI Technology | 2weeks  30-04-2001 to 11-05-2001 | ISS College of Information Tech. &EW Hyderabad |
| 5 | Refresher Course on “VLSI  Design” | 3 weeks  13-11-2002 to 03-12-2002 | ASC-UGC, JNTUH |
| 6 | National workshop on “Mechatronics (Convergence of Mechanical and Electronics Engg) | Two days  07-12-2003 &-0-12-2003 | Intell Engg College, Anantapur |
| 7 | National Workshop on “ Technology Trends in Mobile Computing and Communications” | One day  10-04-2004 | IIT, Bangalore & BNM Inst. Of Tech, Bangalore |
| 8 | Refresher Course on “Digital Signal Processing” | 3 weeks  17-11-2004 to 07-12-2004 | ASC-UGC, JNTUH |
| 9 | Seminar on “Backend VLSI Design Tools” | One day  25-02-2006 | ECE, JNTU College of Engg & Tech Labs |
| 10 | Continuing Education programme on “Embedded Systems Technology” | 1 week  19-06-2006 to 24-06-2006 | IIIT ,Kharagpur |
| 11 | Workshop on “Matlab Programing and Applications-MPA 2007” | Five days  29-01-2007 to 02-02-2007 | JNTU College of Engg. |
| 12 | Workshop on “Digital Controls” | Two days  09-02-2007 &10-02-2007 | MIT, Manipal |
| 13 | Seminar on “Embedded System Design & Emerging Wireless Technology” | One day  24-03-2007 | JNTU, Hyderabad & ISM, Bangalore |
| 14 | Short term course on “Independent Study Techniques” | 1 week  10-03-2008 to 14-03-2008 | NITTT &R, chandigar |
| 15 | Champion Workshop on “Six sigma Methodologies” | Two days  12-04-2008 &13-04-2008 | SMS, JNTUH |
| 16 | Work shop on “High Impact Teaching Skills” | 17-11-2008 &18-11-2008 | Mission 10X, Wipro |
| 17 | Work shop on “Analog and Mixed Signal Design” | Three days  19-08-2009 to 21-08-2009 | JNTUH college of Engg & Cadence Design Systems, Bangalore |
| 18 | Workshop on “Low Power VLSI Design Mehodologies” | Two days  11-12-2009 & 12-12-2009 | CVED, JNTUH & Synopsys (India) Pvt. Ltd. Hyderabad |
| 19 | National workshop on “ VLSI Design using Cadence Tools” | One week  26-03-2012 to 31-03-2012 | ECE, JNTUH College of Engg & Lords Inst. Of Engg&Tech. Hyderabad |
| 20 | Complimentary seminar on “MATLAB & Simulink for Engineering Educaton” | One day  31-08-2012 | Mathworks, India |
| 21 | Workshop on “Image and Speech Processing” | One day  17-12-2012 | IIIT, Hyderabad |
| 22 | National Workshop on “Simulation of wireless Networks” | Two days  15-04-2013 & 16-04-2013 | ECE, JNTUH College of Engg & Nihon Comm. Pvt. Ltd., Bangalore |
| 23 | Work shop on “IEEE Xplore Digital Library User Awareness” | One day  02-08-2013 | JNTUH |
| 24 | Faculty Development Programme on Entrepreneurship under DST-NIMAT-13 | 23rd June to 5th July, 2014 | EDC JNTUH College of Engg and Entrepreneurship Development Institute of India |
| 25 | Management Capacity Enhancement programme (TEQIP-II) on “Management Capacity Enhancement Programme for Administrators” | 1 week  24th to 28th , August, 2015 | Indian Institute of Management Lucknow, Noida Campus |
| 26 | Faculty Development Program on “ARM CORTEX” under TI Uni. Program | 28th &29th sep 2015 | Kumaraguru College of Tech. & Texas Instruments |
| 27 | Object orientation program | 4th to 6th December 2018 | IIIT, Tirupathi |
| 28 |  | September 2019 | IIM, Kashipur,Uttaranchal |

**(ii) Conducted**

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| --- | --- | --- | --- |
| **Sl.No** | **Programme** | **Duration** | **Organized at** |
| 1 | Refresher Course on “Digital image processing” | 3 weeks  02-11-2005 to 22-11-2005 | ASC-UGC, JNTUH |
| 2 | Refresher Course on “Advanced Communicatons” | 3 weeks  24-07-2006 to 12-08-2006 | ASC-UGC, JNTUH |
| 3 | Refresher Course on “Advanced Communications” | 3 weeks  06-11-2006 to 25-11-2006 | ASC-UGC, JNTUH |
| 4 | National level Technical Symposium “SPOORTHY08” | One day  March 2008 | ECE, JNTUH College of Engg |
| 5 | National Workshop on “Advanced Communications” | 1week  12-05-2008 to 16-05-2008 | ECE, JNTUH College of Engg and Govt. Inst. Of Electronics, under TEQIP |
| 6 | Workshop on “Image processing & its Applications” | Three days  24-03-2009 to 26-03-2009 | CECE, JNTUH College of Engg & Govt. Inst. Of Electronics, Hyderabad |
| 7 | Workshop on “Analog and Mixed Signal Design” | Three days  19-08-2009 to 21-08-2009 | ECE, JNTUH College of Engineering & Cadence Design Systems, Bangalore |
| 8 | Workshop on TMI Processor | Two days  December 16&17, 2010 | JNTUH |
| 9 | Refresher course on “Image and Video Processing and its applications” | 3 weeks  14-11-2011 to 03-12-2011 | UGC-ASC, JNTUH |
| 10 | National Level Two Day Workshop on “Information Security & Cyber Forensics” | Two Days  17th &18th Feb 2012 | ECE, JNTUH College of Engg. & Cyber Cure Solutions. |
| 11 | Short term course on “Wavelets and its Applications” | One week  22-09-2014 to 27-09-2014 | UGC-ASC, JNTUH |
| 12 | Workshop on “Animation & VFX” | One day  27-02-2016 | ECE, JNTUH College of Engg & Arena Animations, Hyderabad |
| 13 | Workshop on “ Virtual Reality” | One day  16-03-2016 | ECE, JNTUH College of Engg & TCLOUD, Hyderabad. |
| 14 | A Hands on Workshop on “ ARM Processors” | Two days  12-03-2016 &13-03-2016 | ECE, JNTUH College of Engg & Steps Solutions (training partner of Texas Inst), Coimbatore |
| 15 | National level Technical Symposium “SPOORTHY-16” | Two days  18-03-2016 &19-03-2016 | ECE, JNTUH College of Engg |
| 16 | Contemporary Research and IPR | One week Awareness Program  28-01-2019 to 01-02-2019 | ECE JNTUHCEH  Under Tequip -III |
| 17 | A National level PDF on “Applied Python &IoT with Raspberry PI” | Two days  16th &17th December, 2022 | ECE, JNTUHUCEH & Physitech, Electronics, Secunderabad |

**7.Ph.D guided:**

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| --- | --- | --- | --- | --- | --- |
| Sl.No | Name & Roll No. | Title | Month/  Year | University | Supervisor/co-supervisor |
| 1 | K.Giri Babu  0703PH0826 | Feature Extraction from Fundus Images to analyze Diabetic Retinopathy | December, 2010 | JNTUH | Supervisor |
| 2 | M.C. Chinnaiah  0903PH0839 | Development of New VLSI Architecture for FPGA based Robotic Navigation in an Indoor Environment | March, 2016 | JNTUH | Supervisor |
| 3 | Shaik Javeed Hussain  0703PH0871 | Identification and Classification of Brain Pathologies using MRI Images | March, 2016 | JNTUH | Supervisor |
| 4 | Sanjay Dubay  0903PH0843 | New Person Follower Robotic System with Fuzzy Based Smooth Motion Controller | June, 2017 | JNTUH | Co-supervisor |
| 5 | S.V.S. Prasad 0803PH0826 | Fuzzy Incorporated Hierarchical Clustering Approach for Geographic Object Based Image Analysis | November2017 | JNTUH | Supervisor |
| 6 | K. Punnam Chandar  1103PH0871 | Construction of 3D Face Model for Evaluation Study on Depth Vs. Pose Estimation | November2018 | JNTUH | Supervisor |
| 7 | Venkata Sriraj  0703PH0860 | Hybrid Techniques for quality improvement in voice over internet protocols | January, 2019 | JNTUA | Supervisor |
| 8 | Rajendraprasad  0903PH0829 | Channel Estimation for Modified Tapped Delay Line Model for Multicarrier System Using Risk Sensitive Filter | July, 2019 | JNTUH | Co-supervisor |
| 9 | Bhuvaneshwari A  1203PH0811 | Development of efficient mobile radio path loss models for indoor and outdoor environments | September 2019 | JNTUH | Co-  supervisor |
| 10 | G. Sandhya 12022P0406 | Detection and Evaluation of Normal and Abnormal Tissues from the MR Images of the Brain" | March, 2020 | JNTUK | Co-  Supervisor |
| 11 | Chayadevi Senigalakuruba  1003PH0841 | Nodule Detection from Posterior and Anterior Chest Radio graphs. | May, 2020 | JNTUH | Supervisor |
| 12 | Harikrishna Dodde 1203PH08C7 | Development of Multi Class Classification methods to Improve BCI Assistive Embedded System for Cognitive Disability | October, 2020 | JNTUH | Co-  supervisor |
| 13 | Dundati Karunakar Reddy  1003PH0854 | Adaptive code selection and allocation for DSSS Communication | April, 2021 | JNTUH | Supervisor |
| 14 | Vamshi Talla 0803PH0846 | Development of Network-On-Chip Architectures and Evaluation with different Data Sequences | March, 2022 | JNTUH | Supervisor |

**8. Lectures/ Seminars:**

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| --- | --- | --- | --- | --- | --- |
| Sl.No. | Name of Programme | Organization | Title | Target gruop | Date |
| 1 | Training program | Annamacharya Ist. Of Tech. & Sciences, Kadapa | 1.Maxwell’s Equations and its Applications  2. Plane wave propagation in Guided Planes | Faculty | 07-04-2001 |
| 2 | Five day workshop on “VLSI Design and Technology” | Annamacharya Inst. Of Tech. & Sciences, Kadapa | Design of Digital Circuits using VHDL | UG Students | 13-09-2003 |
| 3 | Five day workshop on “VLSI Design and Technology” | Annamacharya Inst. Of Tech. & Sciences, Kadapa | Generation of test bench for Digital Circuits using VHDL | UG Students | 14-09-2003 |
| 4 | Training the faculty to establish new Laboratories | Sri Sai Inst. Of Tech & Sci., Kadapa | Microwave and Optical Communications | Faculty | 10-04-2004 |
| 5 | Three day work shop on “ Communication Systems” | Madina Engg. College, Kadapa | Digital Modulation Techniques | Faculty & UG students | 08-11-2003 |
| 6 | Refresher course on “Design & Embedded Systems” | UGC-ASC, JNTU, Hyderabad | Effect of fabrication parameters on FET performance | Faculty | 17th Nov to 07th Dec 2004 |
| 7 | Refresher course on “Design & Embedded Systems” | UGC-ASC, JNTU, Hyderabad | Test vector of Sequential Circuits | Faculty | 17-11-2004 to 07-12-2004 |
| 8 | Three day workshop on “Signal processing using MATLAB” | Madina Engg. College, Kadapa | Realization of FIR Filters and their magnitude and Frequency response using MATLAB | Faculty & UG students | 08-05-2004 |
| 9 | 3-day Workshop on Digital Signal Processing | ECE, JNTUH College of Engg. | Design of IIR filters | Faculty | 14-12-2004 |
| 10 | National level Technical Symposium PINACLE 2K4 | Padmasri Dr.B.V. Raju Inst. Of Tech Medak | Roll of Optical Fibers in Communications | UG students | 24-12-2004 |
| 11 | Three day workshop on “Digital Image Processing” | Lenora College Of Engg., East Godavari | Image quality improvement methods | Faculy & students | 12-03-2005 |
| 12 | Awareness program | Padmasri Dr. B.V.Raju Inst. Of Tech. Medak | VLSI Design Flow | Faculty | 18-03-2005 |
| 13 | National level Technical Symposium PINACLE 2K5 | Padmasri Dr. B.V. Raju Inst of Tech, Medak | Overview of Wireless Communications | UG Students | 10-08-2005 |
| 14 | Refresher Course on “ Digital Image Processing” | UGC-ASC, JNTU | Image Restoration Techniques | Faculty | 02-11-2005 to 22-11-2005 |
| 15 | Training Program for ALGERIA team as a part of establishment of International Ground Station | NRSA | Digital Communication and its Applications in Satellite Data | Scientists | 23-05-2006 |
| 16 | Training Program for ALGERIA team as a part of establishment of International Ground Station | NRSA | C/N ratio and UP/Down Link Analysis for Satellite Channel | Scientists | 26  -05-2006 |
| 17 | Training program | Padmasri Dr. B.V. Raju Inst of Tech, Medak | Image processing & its applicaions | Faculty | 01-07-2006 |
| 18 | Refresher Course on “VLSI Design & Embedded System” | UGC-ASC, JNTUH | D & PODEM algorithms for the design of Digital Circuits | Faculty | 19-11-2007 to 08-12-2007 |
| 19 | Two day workshop on “Applications of wavelets and Multi wavelets in Image Processing” | Lords Inst. Of Engg. & Tech. Hyderabad | Image Restoration using Wavelets and Multiwavelets | Faculty | 14-08-2008 |
| 20 | Laboratory Training program on “ Hands on experience on Laboratory experments” | Bharath College of Engg & Tech. for women, kadapa | Pulse and Digital Circuits & Microwave Engineering | Faculty | 08-11-2008 &09-11-2008 |
| 21 | Three day workshop on “ Digital Image Processing” | Lenora College of Engg, East Godavari | Fundamentals and applications of Image Procesing | Faculty & Students | 12-02-2009 |
| 22 | Two day National Level workshop on “ Medical Image Processing using MATLAB” | Bharath College of Engg & Tech. for worme | Enhancement and restoration techniques | Faculty & students | 12-07-2009 |
| 23 | Guest Lecture | St.Peter’s Engg. College | Antennnas & Wave Propagation | UG Students | 25-08-2009 |
| 24 | Research Guidance Programme on “ Image Processing” | Bharath College of Engg &Tech for women, Kadapa | Fundamentals of Digital Image Procesing | Faculty & Students | 25-08-2010 |
| 25 | Research Guidance Programme on “ Image Processing” | Bharath College of Engg &Tech for women, Kadapa | Application of Digital Image Procesing | Faculty & Students | 26-08-2010 |
| 26 | 2-day refreshment Course on “VLSI Design” | Siddhartha Inst. Of Engg. & Tech, Ranga Reddy | FPGA’s & CPLD’s | Faculty | 08-11-2010 |
| 27 | Guest Lecture | CM Engg. College, secunderabad | Digital Image Processing | UG Students | 15-03-2011 |
| 28 | National level Technical Symposium TECHNEX’11 | CM Engg College, Secunderad | Digital Image Processing | Students | 24-09-2011 |
| 29 | Guest Lecture | Chaitanya Bharathi Inst of Tech, Proddatur | Antennas & Wave Propagation | UG students | 01-10-2011 |
| 30 | Three day workshop on “Digital Signal Processing and Programming | ECE, JNTUH College of Engg and Physitech Electronics, Hyderabad | Fourier Analysis | Faculty | 28-01-2012 |
| 31 | National Level Workshop on “Emerging Fields in Real Time Embedded Systems and VLSI Design” | Sree Dattha inst. Of Engg. and Sceince, Ranga reddy | Latest Trends in VLSI | Faculty | 21-03-2012 |
| 32 | 9 months induction training | A.P. Police Academy | Radio Comm. Engg. | Stipendiary Cadet Sub Inspectors | 16-07-2012 |
| 33 | Guest Lecture | Avanthi Inst. Of Engg & Tech. Ranga Reddy | Digital Image processing & Applications | UG students | 14-09-2012 |
| 34 | Guest Lecture | Sreenivasa Inst. Of Tech. & Manageent Studies (SITAMS) | Digital Image Processing | PG students | 21-09-2012 |
| 35 | One day workshop on “Communications Systems” | St. Peter’s Engg. College | Communication Systems | UG Students | 23th, Jan’2014 |
| 36 | One week workshop on “ Statistical Analysis for Signal and Image Processing” | UGC-Resouce Development Centre, JNTUH | Image Transforms | Faculty of Engg. Colleges | 02-12-2015 |
| 37 | Special Training programme on “Digital Systems Design using VHDL and Verilog” | Research Centre IMART (RCI) | FPGA/CPLD Architectures | Scientists of various DRDO Labs | 21-05-2015 |
| 38 | One week workshop on “Statistical Analysis for Signal and Image Processing” | GNarayanamma Inst. Of Tech & Science | 2-D Transforms in Image Procesing | Faculty of Various Engg. Colleges | 03-12-2015 |
| 39 | AICTE Sponsored Two week online FDP on “Implementation of Artificial Intelligence for Solving Digital Signal and Image Processing Problems” | Vidya Jyothi Institute of Technology, Hyderabad | Image Transforms and its applications | Faculty of Various Engg. Colleges | 18-11-2020  &  30-12-2020 |
| 40 | AICTE AND Learning(ATAL) Academy Sponsored Online FDP  “Medical Image Processing and 3D Applications” | College of Engineering, Kakatiya Uni. kothagudem | Overview of Digital Image Processing  <https://youtu.be/tbk_3MSGZiU> | Nationalwide faculty | 06-07-2021 |
| 41 | Seminar | Vasavi College of Engineering, Hyderabad | Scope of projects to do in Digital Image Processing and over view | National wide for students | 15-09-2021 |

**9.Session Chair in Technical Fest/Conferences/symposiums:**

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| --- | --- | --- | --- |
| Sl.No. | Programme | organizers | Date |
| 1 | National level Technical Symposium e-Merge 2003 | JNTU College of Engg. Anantapur | 2003 |
| 2 | National level Technical Symposium PINACLE 2K4 | Padmasri Dr. B.B. Raju Inst. Of Tech. | 24-12-2004 |
| 3 | National level Technical Symposium SPOORTHY 2005 | ECE, JNTUH College of Engg | March 2005 |
| 4 | National level Technical Symposium SPOORTHY 2006 | ECE, JNTUH College of Engg. | Feb 2006 |
| 5 | National level Technical Symposium PERTINAX 2K8 | Padmasri Br. B.V. Raju Inst. Of Tech. | Sep, 2008 |
| 6 | National level Technical Symposium TECHNEX’10 | CM Engineering college, Secunderabad | 13-10-2010 |
| 7 | National level Technical Symposium TECHNEX’11 | CM Engineering college, Secunderabad | 24-09-2011 |
| 8 | National Conference on “Communications and computer Aided Electronic Systems (CCAAES-2012) | Chaitanya Bharathi Inst. Of Tech. & IEEE, ISTE Hyderabad centre | 20-04-2012 |
| 9 | National level Technical Symposium TECHNEX’12 | CM Engineering college, Secunderabad | 13-10-2012 |
| 10 | National level Technical Symposium TECHVEDA2K12 | Noble College of Engg & Tech. for Women, Ranga Reddy | 16-10-2012 |
| 11 | International Conference WCECS 2013, ICCST | International Association for Engineers at SanFrancisco, USA | 25-10-2013 |
| 12 | Nation Conference on Communications, signal processing (NCCSPS-2014) and Systems under TEQIP Phase II, Session-1, Signal Processing-1 | ECE, JNTUH College of Engg. | 24th August, 2014 |

**10.Member/Convener in various committees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.No. | Name of the Committee | Organization | Date |
| 1 | Fact Finding Committee for Affiliated Colleges | JNTUH | Every Year |
| 2 | Ragging Committee | JNTUH College of Engineering | Every Year |
| 3 | Research Review Meeting | ECE,JNTUH College of Engg | Twice in Every Year |
| 4 | Doctorial Research committee | ECE,JNTUH College of Engineering | Frequently in Dept. |
| 5 | Project Review Committee for M.Tech Projects | ECE, JNTUH College of Engineering | Frequently |
| 6 | Ratification Board | JNTUH | 2006 on wards |
| 7 | JNTU women Employees Association | JNTUH | 2009-10 |
| 8 | Board of Studies of ECE Dept | JNTUH College of Engg | 29-07-2012 & 30-07-2012 |
| 9 | Advisory Committee | Padmasri Dr. B.V.Raju Inst. Of Tech. Medak | 13-12-2012 |
| 10 | Recruitment board for Lecturers in Polytechnique Colleges | AP Public Service Commission | Mar 2013 & 2014 |
| 11 | Finalize the CMM for IDP programme/M.Tech/MBA/MCA & M.Sc | JNTUH College of Engineering | 31-07-2014 |
| 12 | Malpractice of impersonate category, B.Tech II year, I sem | JNTUH College of Engineering | 12-08-2014 |
| 13 | Academic Regulations, Course structure for implementation of choice based credit system for B.Tech (IDP/IDDMP/IIDDMP) & M.Tech (Reg/PTPG) | JNTUH College of Engineering | 12-08-2015 |
| 14 | Urgent requirement for updation of existing software modules | JNTUH College of Engineering | 05-01-2015 |
| 15 | Incident happened in B.Tech Supplementary examination held in October, 2015 | JNTUH College of Engineering | 10-11-2015 |
| 16 | Board of Studies | MLR Int of Tech. , CVR College of Engg | From 2015 |
| 17 | ISRO Departmental Promotion Meeting (Interview), External Expert member | NRSC, Hyderabad | 27-05-2016 |
| 18 | Departmental Promotion Meeting (Interview), External Expert member | ADRIN, Hyderabad | 31-05-2016 |

**11.Special observer/squad:**

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| --- | --- | --- | --- | --- |
| **Sl.No** | **Name of the Examination** | **Organization** | **Type of Duty** | **Date** |
| 1 | EAMCET | JNTUH | Confidential team member | 2011 on wards |
| 2 | Recruitment of Lecturers in Polytechnic Colleges | AP Public Service Commission | Confidential Team member | 02-03-2012 & 07-12-2012 |
| 3 | AERT | JNTUH | Observer | 13-11-2015 on wards |
| 4 | Various public examinations | JNTUH | Confidential team member | 2004 on wards |

**12. Ph.D Evaluation**

For Anna university, Sri Venkateswara University, Andhra University, KL university, Central University, Nagarjuna Uni., JNTUK, JNTUA

**13.Reviewer:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.No. | Title | Organization | Month/Year |
| 1 | Frequently reviewed no. of papers | Technology Spectrum, JNTUH | From 2009 onwards |
| 2 | Network Theory and Transmission Lines | e-learning material for the first year B.Tech(CCC) programme , JNTUH | Dec 2010 |
| 3 | Faculty Editorial Board | College Magazine, JNTUH College of Engg | From 2012  onwards |
| 4 | Member of Editorial Board | Journal of Electrical and Electronics Engineering Research( JEER) | 2013 |
| 5 | Heuristic Synthesis of Reversible Logic – A Comparative Study | International Journal of Advances in Electrical and Electronic Engineering, ISSN 1336-1376(p), ISSN 18049-3119 (OL), VSB-Technical Univerity of Ostrava | June, 2014 |
| 6 | A Novel Method for Segmentation of Retinal Blood Vessels from Fundus Images | Elsevier -Computers in Biology and Medicine | Feb 2016 |
| 7 | Review: Brain Tumor Segmentation and Classification based on Machine Learning from Magnetic Resonance Images | [Asian Journal of Research in Computer Science](http://ditdo.in/ajrcos) | June 2021 |

**14.** **Funded Projects:**

1. Design and Development of CAD system to Detect Nodule in Chest Radiographs – Rs. 10.5 lacs from AICTE, 2017-2020

2. MODROPS-VLSI & ECAD Laboratory – Rs.10.42 lacs from AICTE-2017-2019

3. Reconfigurable SoC based Design for High Speed Data Acquisition System - TEQIP - 2,95,000 -2019-2021-JNTUH

4. Development of SoC system with Vision based UAV and Remote Mobile Robotic Arm for precision Agriculture - Under C2S programme -85.12 lacs-Meity, Ministry of Electronics and Information Technology- 2023-2027

**15. Patents applied:**

1. VLSI Architecture for Robot Navigation in Semi Structured Indoor Environment- 2017, Published.

2. Depth Estimation of Non-rigid Shapes Based on Fibonacci Population Degeneration Particle -Swarm Optimization- 2018 published

**16. Membership in Professional Bodies:**

1.Member of International Association of Engineers

2. Member of Institute of Electrical and Electronics Engg.,

3. Fellow of Indian Institute of Engineering

4. Fellow of Institute of Electronics and Telecommunication Engineering

5.Member of ISTE.

**17. Awards**

1.Best paper Award by Advena world and International Conference on system Engineering,

Management and Innovation, on March 27, 2014 in Washington DC,USA, for research paper titled “ Statistical validation of the development empirical model for dense urban region”

2. Best paper Award in the International Conference (ICCICCT-2014) organized by Department

of Electronics and Instrumentation Engineering, Noorul Islam Centre for Higher Education, Noorul Islam University, Kumarcoil, Nagarcoil, Tamilnadau held on 10th &11th July,2014, for research paper titled ”Person Follower Robotic System”

3.Women Researcher Award, in the International Scientist Awards on Engineering, Science and

Medicine, held on 26 & 27-Feb-2021, Hyderabad, organized by VGOOD Professional Association

4. Certificate of Excellence in Reviewing, Asian Journal of computer science, June 2021

**Highlights of major contributions:**

* Examiner for setting an objective type question paper (Multiple choice) in the subject Electronics and Communication Engg. for the Andhra Pradesh Public Service Commission, Lt. No.1648/CD/2013, dt.21/1/2014.
* Question paper setter for UG/PG/Ph.d programmes of various other Universities like SV Uni. And Autonomous colleges like SVC of Engg & Tech.,
* Moderation of question paper fo ECET(FDH) for every year.
* Viva-Voce Examiner for M.Tech & B.Tech Projects for Various Universities like JNTUA, JNTUK etc., and various Affiliated and Autonomous Colleges
* Guided ~ 100 PG Projects in the areas of Signal and Image Processing, VLSI design, Communication fields.
* Taught various subjects at PG &UG level in the areas of Signal and Image Processing, VLSI design and Technology, Communications, Antennas and Microwave Engg., etc.,
* Co ordinator for R&D Cell of University
* Chairman for Academic Activities of Department
* In-charge of Academic Time Tables in the Department
* Deputy warden for Girls Hostel
* In-charge for new labs for PG Courses
* Participated as an ECE Expert in Sakshi Educational Fair.
* Officer In-charge of College Examination Branch
* Conducted many public sector/Govt. recruitment test like APPSC, ISRO etc and also many entrance examinations like JEE Advanced, NTRPG set, PGSET etc., as Officer in-charge of Examinations.
* Session Chair in ICCST-WCECS-2013 conducted by IAENG at Barkely Uni. California.