

**PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY(Autonomous)
KANURU, VIJAYAWADA**

Department of Electronics and Communication Engineering

FACULTY RESEARCH PUBLICATIONS 2017-18

- i. **Dr.C.Subba Rao**, Professor published a paper entitled “**Analysis of Wide Band Unequal Cone angle Biconical Antennas**” - Current Journal of Applied Science and Technology (CJAST) Volume:2.2, Issue:2, PP:1-8, July, 2017 DOI 10.9734/CJAST-2017/34742.
- ii. **Mr.J.Ravindra Babu**, Associate Professor, **Mrs.D.Swathi**, Assistant Professor published a paper entitled “**Analysis of Margin Adoptive Resource Allocation in MIMO Systems**” - International Journal of Wireless Communication, Vol:9, No:6, July, 2017 PP:-119-122, ISSN:0974:9756.
- iii. **Dr.Ch.Gangadhar**, Associate Professor,**Mr.Md.Habibulla**, Sr.Assistant Professor published a paper entitled “**Simulation of Gabor Filter Accounting for Finger Print Recognition**”- IJRCCT, Vol:6, No:7, July, 2017.
- iv. **Mr.P.Venumadhav**, Assistant Professor published a paper entitled “**Investigation and Octagonal shape complimented Microstrip Antenna for using CSA Algorithm**” - International Journal for Scientific Engineering research – Vol –issue 8 papers 780-798, 2017.
- v. **Mrs.T.Maha Lakshmi**, Assistant Professor published a research paper entitled “**An efficient Image Noise Estimation Technique using Type -2 Fuzzy set and Genetic Algorithm**”- Journal of Theoretical and applied Information Technology Vol:95, No:14, Pages:3413-3421.
- vi. **Mr.P.Venumadhav**, Assistant Professor published a research paper entitled “**Interleaved Metallic Octogonal structures for Low Frequency Applications**”- International Journal of Control Theory and Applications, Vol:10, No:35, Pages:123-131, 2017.

- vii. **Mr.B.Samuyelu**, Sr.Assistant Professor et.al published a research paper entitled **“Normalised Subband Adoptive Filtering with Extended Adaptiveness on Degree of Subband Filters”**- International Journal of Electronics, 2017, Vol:104, Issue: 12, Page: 2048 – 2061.
- viii. **Mr. B. Surya Prasada Rao**, Associate Professor, **Dr. P. Rajesh Kumar**, Professor and HOD published a research paper entitled **“Hybrid Image Fusion Algorithms using Maximum Selection Rule and PCA”** - International Journal of Scientific and Engineering Research, Vol:8, Issue:8 PP: 814:820, August, 2017.
- ix. **Mrs.T.Maha Lakshmi**, Assistant Professor published a research paper entitled **“A Review of Image Estimation Technique using Type-2 Fuzzy set and Genetic Algorithm”** - International Journal of Pure and Applied Mathematics.
- x. **Mrs.V.Ratna Kumari**,Assistant Professor presented a paper entitled **“Hybrid Adaptive Beam Forming Algorithm for Smart Antennas”** on 5th October, 2017 in a conference at ROORKE, IIT.
- xi. **Dr.T.Haritha**, Associate Professor, published a paper entitled **“Power allocation and practical considerations for cognitive radios using power filling Algorithms”** an International Journal of Advance Research and Latest Trends. ISSN: 30-11-3030, Vol.09, issue:04, November, 2017, Pages: 2276-2281.
- xii. **Mrs. K.Anitha**, Associate Professor published a paper entitled **“Scheduling Mechanisms for Wireless Networks using Coarse-Grained Back Pressure Control”**an International Journal on Electronics & Wireless Communication Engineering, Vol 9, Issue 9, November 2017, ISSN 2454-9924, pp. 1-7.
- xiii. **Dr. P. Rajesh Kumar**, Professor & HODresearch team has publishedbook chaptersentitled**“Microelectronics,Electromagneticsand Telecommunications”**in the Lecture notes series of Electrical Engineering, Springer Publications.

**Book Chapter 85: A New VLSI Architecture for Skin-Tone Detection in
an Uncontrolled Environment**, PP: 847-854,Jan. 2018.

**Book Chapter 67:High Performance and Flexible Data-path Architecture
for DSP Applications, PP : 673-681. Jan. 2018.**

- xiv. **Mr Md. Habibullah**, Sr.Assistant Professor, published a research paper entitled“**Implementation of C-DEC protocol with sector concept for wireless sensor Networks**” - Journal of Advanced Research in Dynamic & Control Systems, Vol:9, Sp-18/2017, Pg:223-234.

- xv. **Mrs. K. Aruna Kumari**, Sr. Assistant Professor presented a paper entitled “**PARR Reduction in MIMO – OFDM using modified DTS Scheme with hybrid ABC-FF Algorithm**” - International Conference on Recent Trends in Engineering and Sciences ICRTES – 2018 organised by Confer Professional Group of Conference (AP, India) on 20th& 21st February, 2018.

- xvi. **Mr B. Samuyelu**, Sr.Assistant Professor et.all published a research paper entitled “**Multi-Source Echo Cancellation Systems by advanced normalized funded Adoptive Filtering**” -International Journal of Recent Scientific Research, Vol:9, Issue-2(A) PP: 23766-2773, February, 2018.

- xvii. **Dr. P. Rajesh Kumar**, Professor & HoD et.all published a research paper entitled “**Hardware & Software codesign methodology for implementing algorithms & Person follower robotic system**”- International Journal Mechanisms & Robotic systems 2018, Vol:4, No:2, PP:89-106.

- xviii. **Mr. P. Venumadhav**,Assistant Professor presented a paper entitled “**Topology Optimization of dual octagonal array Antenna for lowfear applications**” - National Conference at KKR & KSR KITS, Guntur from 15th to 17th March, 2018.

- xix. **Mr. B. Surya Prasada Rao**,Associate Professor presented a paper entitled “**Mean Approximation Image Fusion Algorithm using wavelet Transforms**” in an International Multidisciplinary conference on “**Knowledgesharing, Technological Advancements & Sustainable Development**” at PVPSIT on 30th March, 2018.

- xx. **Mr. B. Surya Prasada Rao**, Associate Professor presented a paper entitled “**Mean Approximation Image Fusion Algorithm using wavelet Transforms**” in International Journal for Research in Engineering Application & Management, March, 2018 (UGC).
- xxi. **Mr. J. Ravindra Babu**, Associate Professor presented a paper entitled “**Interference reduction in DS – CDMA system with blind detector**”- International Multi Disciplinary conference on Knowledge sharing and Technological Advancements and Industrial Development at PVPSIT on 30th March, 2018.
- xxii. **Dr. K. Ramanjaneyulu**, Professor published a paper entitled “**Performance Analysis of sub Interleaver based Turbo codes**” - International Journal Springer – Cluster computing. March, 2018, PP:127, Since citation index expanded scopus, ACM digital library.
- xxiii. **Mr. Md. Habibulla**, Sr. Assistant Professor published a paper entitled “**ACNM: Active Coupling Network Model deep/awoke mechanism for wireless sensor networks**” in scopus index journal “International Journal of Engineering & Technology (UAE), 7 (1-1) (2018) pages: 350 – 359
- xxiv. **Mr. P. Venu Madhav**, Assistant Professor published a paper entitled “**Topology & optimization of dual octagonal Array Antenna for low fear applications**”- International Journal of Engineering & Technology: Page 13-16, vol:7.
- xxv. **Dr. Ch. Gangadhar**, Associate Professor, published a paper entitled “**FPGA Implementation of OFDM based mm wave indoor sparse Channel Estimation using OMP**”- Scopus Indexed Journal- Circuits, Systems, and Signal Processing, (2018) 37 (5), pp. 2194-2205. DOI: 10.1007/s00034-017-0661-z