

# Curriculum Vitae



**Dr. P.M.K. Prasad**

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## Objective

To work in a dynamic environment in a reputed organization where my technical skills would help in the growth of my career and organization through continuous learning, and aiming to attain a responsible position in the organization.

## Educational Qualifications:

Course	Board/University	Specialization	Year of Passing
Ph.D (ECE)	Andhra University College of Engineering, Visakhapatnam	Digital Image Processing	February, 2017
M.E (ECE)	College of Engineering Osmania University, Hyderabad	Systems and Signal Processing	June, 2003
AMIETE	Institution of Electronics & Telecommunication Engineers (I.E.T.E) New Delhi	Electronics and Communication Engg	June, 1997
D.E.C.E	State Board of Technical Education and Training, Andhra Pradesh	Electronics and Communication Engg	November, 1988
S.S.C	Board of Secondary Education, Andhra Pradesh		April, 1985

**Teaching Experience:**

**: 26 years 4 months**

<b>Designation</b>	<b>Name of the employer</b>	<b>Duration From to</b>	<b>Length of service</b>
Associate Professor	Principal, GVP College of Engineering for Women, Visakhapatnam	Since 2-11-2017	
Associate professor	Principal, GMR Institute of Technology Rajam, Srikakulam(Dt)	19-5-2006 to 31-10-2017	11 years 5 months
Assistant professor	Principal, Aurora's Engineering college Bhuvnagiri, Nalgonda(Dt)	1-1-2006 to 13-5-2006	5 months
Senior Lecturer	Principal, Aurora's Engineering college, Bhuvanagiri, Nalgonda(Dt)	1-1- 2004 to 31-12- 2005	2 years
Lecturer	Principal, Aurora's Engineering college, Bhuvanagiri, Nalgonda(Dt)	11-10-2000 to 31-12-2003	3 years 2 months
Lecturer in Electronics	Principal, HRD Degree & P.G.college Hyderabad	19-6-1997 to 10-10-2000	3 years 4 months
Junior Lecturer Electronics	Principal, GJC salur, Vizianagaram(Dt)	24-1-1991 to 31-3-1993	2 years 2 months

**Area of Expertise:**

Signal and Image Processing, Communications

**Appreciations/Awards/Achievements**

- Received **certificate of gratitude** from the secretary, Aurora educational society, Hyderabad for long service at Aurora's Engineering College, Bhuvanagiri during January 2006.
- Received **best faculty award** consecutively for the three academic years **2009-10, 2010-11** and **2011-12**, from Principal, GMR Institute of Technology, Rajam.
- Received **best paper award** for the paper titled "Edge Feature Extraction of X- Ray images based on Spatial Domain Techniques", **IEEE Technically co-sponsored national conference** on Emerging trends in Signal Processing And Communication Engineering ESPACE-2015 Aditya Institute of Technology And Management (AITAM), Tekkali, 20-21<sup>st</sup> February 2015.
- Awarded as an **outstanding reviewer, Elsevier Computers and Electrical Engineering-An International Journal**, February, 2017.
- Selected as a **Professor in ECE**, GMR Institute of Technology, Rajam through internal Promotion system during July, 2017.

## Online certification courses:

### NPTEL:

- Successfully completed NPTEL Online Certification course on Digital Image Processing(AICTE 11/2 week FDP Course) conducted by **Indian Institute of Technology, Kharagpur** with a consolidated score of 84% (**Elite-Topper with in 5%**) during July-October 2018(12 Week course).
- Successfully completed NPTEL Online Certification course on Introduction to Wireless and Cellular Communications (AICTE 1 1/2 week FDP Course) conducted by **Indian Institute of Technology, Madras** with a consolidated score of 78% (**Elite-Silver**) during July-October 2019 (12 Week course).
- Successfully completed NPTEL Online Certification course on Principles of Communication Systems-1 conducted by **Indian Institute of Technology, Kanpur** with a consolidated score of 66% (**Elite**) during January-April 2018(12 Week course).

### Coursera

- Successfully completed Coursera online certification course on “Image and Video Processing: From Mars to Hollywood with a stop at the Hospital” Duke University April 2020(9 week course)
- Successfully completed Coursera online certification course on “Machine Learning” Foundations: A Case Study Approach” Univesrity of Washington, May 2020(6 week course)
- Successfully completed online certification course on “Introduction to Internet of Things” Stanford University Spring 2019-20(4 week course)
- Successfully completed Coursera online certification course on “Wireless Communications for Everybody” Yonsei Univesrity July 2020( 6 week course)
- Successfully completed Coursera online certification course on “Introduction to Architecting Smart IOT Devices” EITDigital during July 2020( 3 week course)
- Successfully completed Coursera online certification course on “Introduction to Satellite Communications” Institut Mines-Telecom ( 6 week course) August 2020
- Successfully completed Coursera online certification course on “Computer Vision Basics” University of Buffalo & State University of NewYork during October 2020(6 week course)

### Ratification

- Ratified by JNTU, Hyderabad as an **Assistant Professor** in ECE during May, 2006.
- Ratified by JNTUK, kakinadaas an **Associate Professor**in ECE during May, 2010.

### Administrative Duties

- NAAC Central Coordinator, GVPCEW since Januray 2020.
- Member, Internal Academic Audit Committee, GVPCEW during August 2019.
- IQAC Coordinator, GVPCEW since March 2019.
- Convener, Anti ragging Committee, GVPCEW from August 2018 to Novemeber 2020.
- Department NBA coordinator,GVPCEW since June 2018.
- Department NBA coordinator,GMRITfrom October 2009 to October 2017.

- Department NAAC coordinator GMRIT, from January 2009 to August 2013.
- Department Autonomous coordinator GMRIT from October, 2011 to July 2016.
- Department ISO coordinator, GMRIT from October, 2006 to September, 2015.
- Member, Board of Studies (BOS), Dept. of ECE, GMRIT from September 2012 to October 2017.
- ISO internal auditor, GMRIT from September 2009 to October, 2017.
- Member, Quality Assurance Committee (QAC), GMRIT from Jan 2009 to August 2014.
- Anti-ragging committee member, GMRIT from August 2006 to October 2017.
- Course coordinator for Analog Communications, Electronic Devices and Circuits.
- Lab incharge, Digital Signal Processing lab, GMRIT, Rajam from 2006 to 2017.
- Internal audit NBA committee member, GMRIT, Rajam during 2008 and 2012.
- Escorting member for NBA committee visit during December 2006, GMRIT, Rajam.
- Faculty coordinator for Industrial tour during November 2011.
- Nucleus member, Research & Development team, GMRIT during August 2013 to November 2013
- Coordinator (both dept., and central), Industrial tours and local visits, at Aurora's engineering college, Bhuvanagiri during 2002 to 2006.
- Lab incharge, Electronic Devices and Circuits lab, Aurora's Engineering college, Bhuvanagiri from October 2000-May, 2006.

#### **Subjects taught for UG:**

Digital Image Processing, Analog Communications, Digital Signal Processing, Electronic Devices and Circuits, Cellular & Mobile Communications, Digital Communications, Wireless Communication and Networks, Signals and Systems, Switching Theory and Logic Design, Microprocessors and Microcontrollers, Linear and Digital IC Applications, Television Engineering, Electronic Measurements and Instrumentation.

#### **Subjects taught for PG**

Advanced Digital Signal Processing, Wireless Communication and Networks.

#### **FDP/Workshops/ Training programmes attended**

- Three day intensive course on Image processing and its applications during 25-27 July 2001 organized by Dept., of ECE, university college of Engineering, Osmania University, Hyderabad.
- Short term intensive course on VLSI Design using FPGA's during 12-16 May 2003 organized by Dept of ECE, VNR Vignana Jyoti institute of Engineering & Technology, Hyderabad.
- Tutorials on "Wireless LAN" held on 11<sup>th</sup> July 2003 organized by IETE, Hyderabad centre.
- Five day intensive course on Digital signal processing and DSP processors (Analog Devices) during 18-22 November 2003 organized by Dept., of ECE, University College of Engineering, Osmania University, Hyderabad.
- Two Day National workshop on Recent Trends in Nanoelectronics during 8-9<sup>th</sup> September 2006 at GMRIT, Rajam.

- Two Day National workshop on Applications of Microprocessors and Microcontrollers during 18-19<sup>th</sup> February 2008 at GMRIT, Rajam.
- Three day workshop on “Values and Beliefs” during August 2008 organized by GMR group at GMRIT, Rajam.
- Five Day National workshop on High Impact Teaching Skills (MISSION 10X) organized by Wipro during 8-12<sup>th</sup> December 2008 at GMRIT, Rajam.
- Two Day Training course on Internal Auditing on ISO 9001:2008 conducted by Real Time Quality Management Services, at GMRIT, Rajam during 21-22<sup>nd</sup> August 2009.
- National workshop on Research Methodologies at JNTU, Kakinada on 24<sup>th</sup> Nov’09.
- Workshop on question bank preparation at JNTU Kakinada on 12<sup>th</sup> July 2010.
- Two day faculty development program organized by GMR group, Shmshabad, Hyderabad during 10-11<sup>th</sup> August 2011.
- Two day workshop on MATLAB and its Applications in Communications and Signal processing during 12-13<sup>th</sup> November 2011 organized by Dept. of ECE, Andhra university college of engineering, Visakhapatnam.
- Three day Continuing Professional Development programme on Quality Initiatives in Technical and Higher Educational Institutions (in compliance with NBA & NAAC accreditation) during 23-25<sup>th</sup> January 2012 Organized by **Engineering Staff college of India, Hyderabad.**
- **First world summit on Accreditation (WOSA-2012)** during 25-27 March 2012 organized by **National Board of Accreditation (NBA)** at New Delhi.
- Three day National workshop on “Swarm Intelligence: Theory and Applications” during 25-27<sup>th</sup> May 2012 organized by School of electrical sciences, **Indian Institute of Technology (IIT), Bhubaneswar.**
- Two day National workshop on “Medical signal and Image Processing” during 21-22<sup>nd</sup> December, 2012 organized by department of biotechnology and medical engineering **National Institute of Technology (NIT), Rourkela, Orissa.**
- Three day workshop on “Course design” during 15-17<sup>th</sup> February, 2013 at GMRIT, Rajam.
- Two day National workshop on Communications, signal and Image processing COSIP -2013 during 28-29<sup>th</sup> June 2013 organized by Dept. of ECE, University college of Engineering, JNTUK, Vizianagaram.
- Workshop on “values for happy & effective living” organized by GMRIT, Rajam on 3-8-2013
- National workshop for training resource persons on outcome based accreditation-phase I conducted by NBA nodal centre at JNUTK university college of Engineering, Vizianagaram on 13-9-13.
- Continuous improvement projects( CIP) workshop at GMRIT, Rajam on 18-9-13.
- National workshop for training resource persons on outcome based accreditation-phase II conducted by NBA nodal centre at JNUTK university college of Engineering, vizianagaram during 26<sup>th</sup>-28<sup>th</sup> September 2013.
- Two day workshop on Question paper design: OBE perspective during 29-30<sup>th</sup> January 2014 at GMRIT, Rajam.
- Two day workshop on “Discover Yourself -A Leadership Retreat” during 28-29<sup>th</sup> April 2014 organized by GMRIT at Sunray village resort, Bhogapuram, Visakhapatnam.
- Faculty Orientation Programme on " Centre of Excellence for e-Resource Development & Deployment" (COEeRD) Globarena Technologies Pvt.Ltd & JNTU university

college of Engineering, Vizianagaram, JNTUK university college of Engineering, Vizianagaram on 26-8-14.

- Faculty workshop on “Refining the lab course delivery and Evaluation” during 24-25<sup>th</sup> September 2014 at GMRIT,Rajam.
- Two day Hands-on MATLAB training on ‘Biomedical Signal & Image Processing & Analysis’ conducted by Scientific Computing Solutions (SCS) -India at Corporate Learning Facility, Visakhapatnam during 14-15<sup>th</sup> February 2015.
- Attended three day faculty workshop on “Theories in Learning and curricula design” during 5-7<sup>th</sup> March 2015 at GMRIT Rajam.
- Two-day National Workshop on Patent and Copyrights for Maximizing Research Impact (PCMRI-2K15) during 26<sup>th</sup> – 27<sup>th</sup> December, 2015 at GMRIT, Rajam.
- Two day Hands-on MATLAB training Hands-on Program on Artificial Neural Networks (ANN) and Fuzzy Logic, GA & Wavelets in Signal & Image Processing Applications conducted by Scientific Computing Solutions (SCS) -India at Corporate Learning Facility, Visakhapatnam during 5-6<sup>th</sup> February 2016.
- Five-day National Workshop on “Advanced Signal Processing Applications in Electronics and Telecommunication (WASET-2k16)” sponsored by Department of Science and Technology, New Delhi, Govt. of India, organized by Department of ECE, GMRIT, Rajam during 21<sup>st</sup> - 25<sup>th</sup> March, 2016.
- Two Day Program on Internal Auditor Training on Quality Management systems based on ISO 9001:2015& ISO 19011:2011 conducted by KnM Consulting at GMRIT, Rajam during 30-31<sup>st</sup> March, 2016.
- One day training Program on “Inner excellence” conducted by Pyramid Spiritual Science Society, Bangalore during 6<sup>th</sup> May 2016 at GMRIT, Rajam.
- Two-Day Workshop on “Object Oriented Enriched Revised Bloom's Taxonomy” (OORBT) during 16<sup>th</sup>- 17<sup>th</sup> September, 2016 at GMRIT, Rajam.
- One week Faculty Development Program on Advances in Communication Technology sponsored by TEQIP-II and Organized by Dept. of ECE, Aditya Institute of Technology And Management (AITAM), during 26<sup>th</sup> September – 1<sup>st</sup> October, 2016.
- Two-Day Workshop on “Empowering Engineering Faculty in Question Paper Setting” during 11<sup>th</sup>- 12<sup>th</sup> November, 2016 at GMRIT, Rajam.
- Two-day national Workshop on “Recent Advances in Signal Processing and Communications” organized by Department of ECE, GMRIT, Rajam during 21 – 22<sup>nd</sup> April, 2017.
- Two-Day National Level Workshop on “Outcome Based Education & Accreditation (OBE & OBA)” during 17<sup>th</sup>-18<sup>th</sup> May,2017 organized by GMRIT, Rajam in association with Faculty Development Centre,JNTUK Kakinada at GMRIT Rajam.
- Three-day Management Development Programme on “What Every Teacher Should Know for Bringing out the Best from their Students” during 1<sup>st</sup>-3<sup>rd</sup> June 2017 organized by GMRIT in association with Institute of Rural Management(IRMA), at GMRIT, Rajam.
- Three day national Workshop on Cryptology & Cyber Security, (WCCS-2018), sponsored by Cryptology Research Society of India(CRSI) Kolkata, Jointly organized by Departments of CSE & ECE, GVP College of Engineering for Women, Visakhapatnam during 22-24<sup>th</sup> March, 2018.
- One day workshop on “Quality Enhancement, Assessment and Accreditation of Engineering Colleges” organized by Andhra Pradesh State Council for Higher

Education in association with Jawaharlal Nehru Technological University Kakinada on 11<sup>th</sup> November 2019 at JNTUK Kakinada.

- Participated and completed successfully **AICTE Training And Learning (ATAL) Academy online Faculty Development Program** on “Internet of Things” from 07-05-2020 to 11-05-2020 **National Institute of Technology, Jamshedpur.**
- One week **TEQIP-Online Faculty Development Program** on “ Machine Learning and Deep Learning Applications in Engineering and Science(MLDLAES-2020) from 16<sup>th</sup>-20<sup>th</sup> May 2020 sponsored by Technical Education Quality Improvement Program-III organized by Government College of Engineering, Karad, Maharashtra.
- One week **TEQIP Online Faculty Development Program** on “Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020) under Technical Education Quality Improvement Program organized by Department of Electronics & Telecommunication Engineering, Government College of Engineering, Karad, Maharashtra during 26<sup>th</sup> -30<sup>th</sup> May 2020.
- Three Day Faculty Development Program on “AI and IOT for Medical Applications” organized by Department of Electronics and Communication Engineering, GMR Institute of Technology, Rajam during June 01-03, 2020.
- Successfully completed 1st E-learning workshop on “ Design , Development & Delivery of online course” organized online by the Special Centre for E-Learning(SCEL), Jawaharlal University, New Delhi from 11<sup>th</sup> to 12<sup>th</sup> June 2020.
- Online **AICTE recognized Faculty Development Programme** on “Applications Of IOT” organized by **National Institute of Technical Teachers Training and Research (NITTTR)**, Chandigarh from 16-6-2020 to 20-6-2020.
- Participated in Three days online FDP on “ Sceintific Communication for Research Paper and Proposal Writing” Organized by PSG College of Technology, Coimbatore during 1-3, July 2020.
- Attended 5-day workshop on “ Fight Covid-19 using IOT” organized by Department of Electronics and Communication Engineering, GVP College of Engineering for Women, Visakhapatnam during 6<sup>th</sup> to 10<sup>th</sup> July, 2020.
- One Week Faculty Development Programme on “Recent Advances in Biomedical Applications and Communication Networks” organized by Department of Electronics and Communication Engineering, GMR Institute of Technology, Rajam during 13<sup>th</sup>-18<sup>th</sup> July 2020.
- Participated in the Online **AICTE Recognized Faculty Development Programme** on “ Image processing using MATLAB” organized by **National Institute of Technical Teachers Training and Research (NITTTR)**, Chandigarh from 27-7-2020 to 31-7-2020.
- Participated in **TEQIP-III Sponsored One Week Online Short Term Course** on “Effective Tools and Techniques in Qualitative Research” organized by Department of ECE, **Dr.B.R. Ambedkar National Institute of Technology, Jalandhar** from August 10-14, 2020.
- Participated in **TEQIP-III Sponsored online Faculty Development Program** on “Recent Advances in Electronics and Communication Engineering (RAECE-2020)” Government College of Engineering Kalahandi, Bhawanipatna, Odisha from 17<sup>th</sup> to 21<sup>st</sup> August 2020.
- Successfully completed one-week online Faculty Development Programme on “Recent Advances in Communications and Signal Processing” organized by

Department of ECE, University college of Engineering JNTUK Vizianagaram from 24-08-20 to 29-08-20.

- Attended successfully **AICTE Sponsored One Week National Level Online STTP III** on “Trends and Challenges in Design and Implementation of Reconfigurable Antennas for Increased Spectrum Access in Cognitive Radio Communication” organized by Department of ECE, VR Siddhartha Engineering College, Vijayawada during 14-19th September, 2020.
- Successfully completed **AICTE Sponsored One Week Online Faculty Development Program** on “Research Areas in Biomedical Signal Processing” organized by Department of ECE, Sri Vasavi Engineering College, Tadepalligudem, Andhra Pradesh during 12-17th October 2020.
- Participated in **AICTE Sponsored One Week online Short Term Training Program** on “Research and Development in Wireless Communication Application using NetSim and MATLAB” organized by Department of ECE, Pondicherry Engineering College, Puducherry during 2nd -7th November 2020.
- Participated in **AICTE Sponsored online STTP** on “Current Trends and Emerging Advances in Marine Navigation and Communication” organized by Dept.of Electronics and Communication Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad during 07th -12th December 2020.
- Successfully completed **DST SERB sponsored one week Faculty Development Programme** on “ Biomedical Signal Analysis and Machine Learning(BSAML) organized by the Department of Electronics and Communication Engineering, **National Institute of Technology, Calicut** during 11th -15th January 2021.
- Participated in the one week online Short Term Course on “Advances in Communication and Signal Processing” organized by Department of Electronics and Communication Engineering, **Dr.B.R.Ambedkar National Institute of Technology, Jalandhar, Punjab** from April 05-09, 2021.
- Participated in NAAC sponsored two day National Workshop on “The Revised Accreditation Framework of NAAC-2020: The Practice of Quality Initiatives by IQAC for the Quality Enhancement in HEIs” IQACNLW 2021 organized by Vignan’s Institute of Information Technology, Visakhapatnam during 14th-15th May 2021.
- Participated and completed successfully **AICTE Training And Learning(ATAL) Academy online Elementary FDP** on “Online Teaching and Learning Technologies” from 14-06-2021 to 18-06-2021 organized by **Motilal Nehru National Institute of Technology, Allahabad.**
- National Workshop on “Image Processing Applications using Machine Learning”from 05th to 10th July 2021 organized by Department of Electronics and Communication Engineering, Vasavi College of Engineering(Autonomous), Hyderabad, Telengana.
- Successfully completed One Week Online National Level FDP on “Computational Intelligence & Its Applications(CI&A-2021) during 16th -21st August 2021, organized by KSRM College of Engineering, Kadapa, Andhra Prdaesh.



## Webinars Attended

- Webinar on “Internet of Things” hosted by IETE Mumbai in association with Pantech on 4-5-2020.
- Webinar on “Deep Learning for Radar and Wireless Communications” organized by MathWorks on 21-5-2020.
- Webinar on “Patent Filing and Prosecution” by Dr.S.P.Subramaniyan, Deputy Controller of Patents and Designs, Indian Patent Office, Chennai organized by Centre for Research and Development & Department of ECE, KPR Institute of Engineering and Technology, Coimbatore on 23rd May 2020.
- Webinar on “ Computational Electromagnetic techniques for different RF Microwave and Millimeter-wave Applications” organized by Dept.of ECE GVP College for Degree & PG Courses, Visakhapatnam on 25th May 2020.
- International webinar on “ Recent Trends in Wireless Communication” organized by Department of Electronics and Telecommunication, R.C.Patel Institute of Technology, Shirpur on 7th June 2020.
- Webinar on “ Design of Brain Control Applications” organized by **Dr. B.R. Ambedkar Institute of Technology, Jalandhar** on 26<sup>th</sup> June 2020.
- National Webinar on “ Medical Image Processing” organized by Department of Electronics and Telecommunication, R.C.Patel Institute of Technology, Shirpur on 25<sup>th</sup> July 2020.
- International Webinar on “Artificial Intelligence in Healthcare” Organized by Department of ECE, SNS College of Technology, Coimbatore on 7-8-2020.
- Webinar on “AI-Exploring The Next Generation Convergence” organized by Department of ECE, Mahatma Gandhi Institute of Technology, Hyderabad on 8-8-2020.
- Webinar on “Applied Industrial Machine Learning” organized by Department of ECE, Mahatma Gandhi Institute of Technology, Hyderabad on 9-8-2020.

## Proposals Submitted

- Submitted Project Proposal titled “Development of minute bone fracture detection system for X-ray images using wavelet transform and machine learning” to SERB, DST, June 2019 as Principal Investigator
- Submitted Project Proposal titled “Development of Sparse Recovery Algorithms For Biomedical Applications Using Diffuse Optical Tomography” to SERB, DST, March 2020 as Co-Principal Investigator
- Submitted AICTE ATAL FDP proposal titled “ Emerging Trends in Machine Learning for Signal and Image Processing Applications” March 2021 as a Coordinator.

## Publications

### International Journals

1. **P.M.K.Prasad**, D.Y.V.Prasad, Prof.G.SasiBhushanaRao “Performance Analysis of orthogonal and Biorthogonal wavelets for Edge detection of X-ray Images” **Procedia Computer Science- Elsevier Journal (Scopus Indexed)** Volume 87(2016), ISSN: 1877-0509, PP.116 – 121.
2. **P.M.K.Prasad**, Prof.G. SasiBhushanaRao, M.N.V.S.S.Kumar “Performance Analysis of Biorthogonal Wavelets for Edge Feature Extraction of X-ray Images Based on Parameterized Filter Design” International Journal of Applied Engineering Research (**Scopus Indexed**),ISSN 0973-4562 Volume 10,Number 5( 2015) pp. 11979-11993.
3. **P.M.K. Prasad**, Prof. G.Sasibhushana Rao, M.N.V.S.S. Kumar, K. Chiranjeevi, “Design and implementation of Non-Perfect Reconstruction Biorthogonal Wavelets for Edge detection of X-ray images” International Journal of Data Science, ISSN print: 2053-0811, Volume 3, No.1 ,2018, PP 50-67, **Inderscience publishers, Switzerland**.
4. B.P.V.Dilleep, Pranab K. Dutta, **P.M.K.Prasad**, M. Santosh, “Sparse recovery based compressive sensing algorithms for diffuse optical tomography” **Optics & Laser Technology-International Journal-Elsevier, SCI Journal, Impact factor 3.319**, Volume 128, August 2020, ISSN:0030-3992.
5. Ranjan K.Senapati, **P. M. K Prasad** , Gandharba Swain,T. N. Shankar, “Volumetric medical image compression using 3D listless embedded block partitioning”**SpringerPlus International Journal, SCI Journal, Impact Factor 0.982**, ISSN:2193-1801,DOI 10.1186/s40064-016-3784-y, (2016) 5:2100.
6. RatnaBhargavi V, Ranjan K Senapati, Gandharba Swain, **PMK Prasad**,”Computerized diabetic patients fundus image screening for lesion regions detection and grading” Biomedical Research-An International Journal of Medical Sciences, **SCI Journal, Impact Factor 0.226, H Index 13,Google Scholar h5 index:14**, ISSN: 0970-938X (Print) 0976-1683 (Electronic).
7. **P.M.K.Prasad**, Dr.G.SasiBhushana Rao, M.N.V.S.S.Kumar “Implementation of MRA based Biorthogonal Wavelets for Edge Feature Extraction of X-ray images” International Journal of Graphics and Image Processing, ISSN 2249-5452 Vol.5,Issue 1,Feb.2015.
8. Prof.G.Sasi Bhushana Rao, **P.M.K.Prasad**, M.N.V.S.S.Kumar,“Investigation of various orthogonal wavelets for precise analysis of X-ray images” International Journal of Engineering Research and Applications, ISSN 2248-9622,Vol.5,Issue 2(Part 3),February 2015,pp 24-32 **Impact factor 1.69**.
9. M.Satyam Naidu, **P.M.K.Prasad**“Image Sharpness Estimation and Graph Theory Based Medical Image Segmentation” International Journal of Applied Engineering Research (**Scopus Indexed**) ISSN 0973-4562 Vol.10 No.69 (2015), PP: 251-256.
10. Ranjan K. Senapati, **P.M.K. Prasad**, S. Shabnam, Ch. Jagadeesh, K. Srinath “An Optimised Distributed Arithmetic Architecture for 8×8 DTT” International Journal of Engineering and Technology (**Scopus Indexed**), ISSN : 0975-4024 Vol 7 No. 4 Aug-Sep 2015, PP-1278-1290.
11. V.RatnaBhargavi, Ranjan K.Senapati, BhavaniSankar Y, **P.M.K.Prasad**, “Assessment of Diabetic Retinopathy Grading By the identification of Lesions in Optic Color Fundus Images using Curvelet, Thresholding and SVM Classifier Methods” Far East Journal of Electronics and Communications (**Scopus Indexed**) Volume 16, Issue 2, Pages 325-341, June 2016, ISSN: 0973-7006.

12. Burugupalli KasiBabu, V.Chaitanya Kumar, **P.M.K.Prasad** “Low-Complexity PTS and SLM Techniques on PAPR reduction in SFBC MIMO-OFDM systems” Indian Journal of Science and Technology, Vol.10(11), March,2017 ISSN (Print) : 0974-6846 DOI: 10.17485/ijst/2017/v10i11/107892(**Indexed in Web of Science**).
13. Karri Chiranjeevi, Umaranjan Jena, **P.M.K.Prasad**, “Hybrid Cuckoo Search Based Evolutionary Vector Quantization for Image Compression” Artificial Intelligence and Computer Vision, Studies in Computational Intelligence 672, DOI 10.1007/978-3-319-46245-5\_7, **Springer International Publishing Switzerland (Scopus Indexed), 2017.PP 89-114.**
14. **P.M.K.Prasad** “Color and gray scale image denoising using modified Decision Based unsymmetric Trimmed Median Filter” International Journal of Signal Processing Volume 1,2016, ISSN: 2367-8984, pp 71-76 IARAS Publishers, France, Europe.
15. **P.M.K.Prasad**, G.B.S.R.Naidu, K.Chiranjeevi, “Medical Image Edge detection using MRA based Wavelet Transforms”,International Journal of Latest Trends in Engineering and Technology (**Thomson Reuters Indexed Journal, Impact factor 0.685**), ISSN: 2278-621X Volume 7, Issue1, May 2016, PP:644-650.
16. Sunil kumarkuppili, **P.M.K.Prasad**, Y.Raghavenderrao “An Enhanced Area Optimized Image Edge Detection Based On Sobel Operator” International Journal of Innovative Science, Engineering & Technology (**Thomson Reuters Indexed Journal, Impact factor 3.471 UGC approved Journal**) Vol. 1, Issue 9, November 2014, ISSN 2348 – 7968.
17. T.Prabhakar, K.Satya Prasad, **P.M.K. Prasad**, “Free Inter-band Aliasing Sub-band Adaptive Filtering with Critical Sampling Filter Bank Analysis” in the International Journal of Computer Applications (ISSN 0975-8887) Volume 12-No.11, January 2011, **Impact factor 0.814.**
18. **P.M.K.Prasad**, T.Prabhakar, G.UmaMadhuri “Image Compression using Orthogonal Wavelets Viewed from Peak Signal to Noise Ratio and Computation Time” in the International Journal of computer Applications(ISSN 0975- 8887) Volume 47-No.4,June 2012 **Impact factor 0.821.**
19. GBSR Naidu D.SrinivasaRao, **PMK Prasad**, “A Study of MB-OFDM Wireless System over different UWB Channel Conditions”, International Journal of Network Communications and Emerging Technologies, **Impact factor 4.332**, Volume 6, Issue 2, February (2016) ISSN: 2395-5317, PP 1-6, EverScience Publications.
20. GBSR Naidu, **P.M.K.Prasad**, D.SrinivasaRao, D.Y.V.Prasad“Communication towards 5G” International Journal of Trend in Research and Development” Volume 1 Issue 2 Nov-Dec 2014, **Impact factor 3.04**, ISSN: 2394-9333.
21. D.SrinivasaRao, GBSR Naidu, **PMK Prasad**, “QoS based Spectrum Selection Scheme in Cognitive Radio Networks” International Journal of Network Communications and Emerging Technologies, **Impact factor 4.332**, Volume 6, Issue 1, January (2016), ISSN: 2395-5317, PP 12-17, EverScience Publications.
22. Haritha K, **Prasad P.M.K.**, Jawaharlal M., Chakravathi P. Kalyan”Design and Development of Controller Software for MAS Receiver Using Embedded System”, International Journal of Innovation in Computer Science and Engineering, Volume:5, Issue 1, 2015 PP-48-52, ISSN:2278-0947.
23. S.Devendra,**P.M.K.prasad** “Lifting Bi-orthogonal wavelet Transform Based Edge Feature Extraction” International Journal of Advanced Trends in Computer Science and Engineering, ISSN:2278-3091, Vol.3,No.5,Pages:68-71, 2014.

24. Ch.Moses,**Dr.P.M.K.Prasad**,”Image Enhancemnt using Stationery Wavelet Trasnform” International Journal of Computer & Mathematical Sciences, ISSN:2347-8527, Volume 6, Issue 9, September, 2017. PP: 84-88.
25. **P.M.K.Prasad**, “Wavelet Feature Extraction Based human Iris Recognition”ARPN Journal of Engineering and Applied Sciences (**Scopus Indexed and UGC approved Journal**), ISSN 1819-6608, Voulme 14, No.4, February 2019, PP:842-847.
26. **Dr.P.M.K.Prasad**, Dr.Y.Raghavender Rao, Dr.Karri Chiranjeevi “Contrast Enhancement of Satellite Images Based on Lifting Haar Wavelet Transform And Singular Value Decomposition” International Journal of Emerging Trends in Engineering Research (**Scopus Indexed Journal**), ISSN: 2347-3983, Volume 8,No.3, March 2020, PP:830-837.
27. . Dr.Guntu Nooka Raju, **Dr.PMK Prasad**, Bethapudi Ratnakanth “ Carrier Frequency offset(CFO) Estimation in MC-CDMA System” International Journal of Advanced Science and Technology(**Scopus Indexed Journal**) ISSN: 2005-4238, Volume 29, No.5, 2020, pp: 5488-5501.

### International/National Conferences

1. **P.M.K.Prasad**, G.SasiBhusana Rao, M N V S S. Kumar ” Analysis of X-Ray images using MRA based Biorthogonal wavelets for detection of minute fractures” in **IEEE International Conference** on Science, Engineering & Management Research (ICSEMR 2014) organized by Vel Tech MultiTechDr.RangarajanDr.Sakunthala Engineering college, Chennai, Tamil Nadu during 27 -29 November 2014(**Scopus Indexed**).
2. **P.M.K.Prasad**, M.N.V.S.S.Kumar, G.SasiBhushanaRao “ Design of Biorthogonal wavelets based on parameterized filter for the analysis of X-ray images” International conference on Computational Intelligence in Data Mining” Veer SurendraSai university of Technology(VSSUT), Burla, Odisha 20-21st December 2014 published in Smart Innovation, Systems and Technologies, Volume 32,2015,pp 99-110, **Springer Proceedings(Scopus Indexed)**.
3. **P.M.K.Prasad**, G.SasiBhusana Rao, MNVSS Kumar “Edge Feature extraction of X-ray bone image using Haar wavelet transform” in the proceedings of national conference on Advanced Communication and Computer Technologies(ACCT-2012) conducted byInstitution of Electronics and Telecommunication Engineers(**IETE**) **Visakhapatnam centre** in association with **Naval Science and Technological Laboratory(NSTL)** Visakhapatnam during 6th -7th July 2012.
4. **P.M.K.Prasad**, G.SasiBhusana Rao, MNVSS Kumar “ Analysis of X-Ray images based on orthogonal wavelets for detection of minute fractures” in the proceedings of **IEEE sponsored International conference** on Advances in signal Processing and Communications-2K14( NECICAPC- 2K14), Narasaraopeta Engineering College, Narsaraopet, Guntur(Dt) during 4-5 July 2014.
5. **P.M.K.Prasad**, Prof.G.SasiBhushana Rao, M.N.V.S.S. Kumar “Edge Feature Extraction of X- Ray images based on Spatial Domain Techniques” **IEEE Technically co-sponsored** national conference on Emerging trends in Signal Processing And Communication Engineering ESPACE-2015 Aditya Institute of Technology And Management (AITAM) Tekkali, 20-21<sup>st</sup> February 2015.
6. T.Prabhakar, Birendra Biswal, **P.M.K.Prasad** “Fast convergence and error free SAF in Multimedia applications” in the proceedings of in the proceedings of **IEEE**

- International Conference** on Computing, Communication and Applications (ICCCA 2012), PSNA College of Engineering and Technology, Dindigul, Tamilnadu, during 22-24 February 2012.
7. Sunil Kumar Kuppili, **P.M.K.Prasad** “Design of Area Optimized Sobel Edge Detection” in International Conference on Computational Intelligence in Data Mining ICCIDM-2014 (Springer conference) organized by Veer SurendraSai university of Technology (VSSUT) Burla, Odisha during 20 -21 December 2014 published in Smart Innovation, Systems and Technologies, Volume 32,2015, pp 647-655, **Springer Proceedings (Scopus Indexed)**.
  8. Ranjan K. Senapati, **P.M.K.Prasad** “Color Image Coding Using a Novel Block Based Embedded Technique” in 11th **IEEE India conference INDICON 2014** - Emerging Trends and Innovation in Technology organized by IEEE Pune section, Maharashtra, India, during 11<sup>th</sup> – 13<sup>th</sup> December 2014 (**Scopus Indexed**).
  9. S.Devendra, **P.M.K.prasad** “Lifting Biorthogonal wavelet design for edge detection” **IEEE International conference** on High Performance Computing and Applications (ICHPCA) CV Raman college of Engineering, Bhubaneswar, odisha during 22-24 December 2014(**Scopus Indexed**).
  10. P.Vikas, M.Sampath kumar, M. Sri lakshmi, **P.M.K.Prasad** “Edge detection in noisy images using wavelet transform” in **IEEE National Conference** on Recent Advances in Electronics & Computer Engineering( RAECE 2015) during 13-15th February 2015 organized by Department of E.C.E. **Indian Institute of Technology, Roorkee (Scopus Indexed)**.
  11. K.Haritha, M.Jawaharlal, **P.M.K.Prasad**, P.KalyanChakravarthy “Design and Development of Controller Software for Mars Receiver using Socket Programming” International Conference on Computational Intelligence in Data Mining(ICCIDM-2015), Roland Institute of Technology, Berhampur Odisha, India during 5-6<sup>th</sup> December,2015 published in Advances in Intelligent Systems and Computing, Volume 410,2016,pp 113-120, **Springer Proceedings(Scopus Indexed)**.
  12. **P.M.K.Prasad**, K.Amaranarayana Chowdary, Y.RaghavendraRao “Derivative operators Approach for Edge feature extraction” in the proceedings of national conference on Automation, communication and Computing (NCACC 2010), GITAM University Visakhapatnam during 9<sup>th</sup>-10<sup>th</sup> December 2010.
  13. B.Hymavathi, **P.M.K.Prasad** “Image denoising using Moving window–based Double Haarwavelet transform” in the proceedings of International conference on Machine Intelligence Application to Power, Signal Processing, Communication and Control (MIPSCCON- 2011), GMR Institute of Technology Rajam during 7<sup>th</sup>-9<sup>th</sup> April 2011.
  14. Y.RaghavendraRao, E.Nagabhooshanam, **P.Murali Krishna Prasad** “Directional filter design with subband coding for Image processing application” in the proceedings of International conference on Machine Intelligence Application to Power, Signal Processing, Communication and Control (MIPSCCON-2011), GMR Institute of Technology, Rajam during 7<sup>th</sup>-9<sup>th</sup> April 2011.
  15. M.Srinivas, Y.RaghavendraRao, **P.M.K.Prasad** “Image processing for object Tracking using VERTEX-FPGA” in the proceedings of International Conference on Technology and Management (ICTM-2011) sponsored by International Research & Development Organization (IRDO) at Hyderabad during 8<sup>th</sup>-10<sup>th</sup> June 2011.
  16. B.Hymavathi, **P.M.K.Prasad** “Wavelet-adaptive shrinkage based color image enhancement using combined local variance and entropy analysis” in the proceedings

- of International conference on Nanoscience, Engineering & Advanced Computing (ICNEAC-2011), Swarnandra college of engineering & technology, Narsapur during 8<sup>th</sup> -10<sup>th</sup> July 2011.
17. G.UmaMadhuri, **P.M.K.Prasad**, Y.RaghavendraRao “QRS detection of ECG signal using wavelets” in the proceedings of National conference on Advances in Communication Technologies (NCACT’12), Dept of ECE, GITAM University Visakhapatnam during 9-10, January 2012.
  18. G.UmaMadhuri, **P.M.K.Prasad** “Parameterized Filter Design of Biorthogonal Wavelet for Edge Feature Extraction” in the proceedings of International conference on Innovation in Electronics and Communication engineering (IJIECE-2012), Gurunanak Institute of Technology, Hyderabad during 20-21 July 2012.
  19. T.Ravikanth, **P.M.K.Prasad** “Non-perfect reconstruction biorthogonal wavelets for edge feature extraction” in the proceedings of International conference on Science, Technology and Management (ICSTM – 2013), Srinivasa Institute of Technology and Management studies (SITAMS), chittoor, India during 27-28<sup>th</sup> September 2013.
  20. GBSR Naidu, D.Srinivasa Rao, **PMK Prasad**, Y.Raghavender Rao “MIMO-OFDM Wireless LAN For High Data Rate Multimedia Applications” in National Conference on Recent Trends in Science and Technology NCRTST-2015 (ISBN 978-93- 82570-52-3 pp 175-179) organized by JNTUH College of Engineering., Nachupally, Karimnagar, Telangana State during 25 – 26<sup>th</sup> February 2015.
  21. GBSR Naidu, D.Srinivasa Rao, **P.M.K.Prasad**, “Comparative Analysis of OFDM System with Reduced PAPR over Signal Distortion Techniques”, International Conference on Recent Trends and Recent Issues in Computer Science and Engineering (ICRTRICSE-2K15), Organized by Department of Computer Science and Systems Engineering, AU college of Engineering(A), Visakhapatnam during 2<sup>nd</sup> & 3<sup>rd</sup> May, 2015.
  22. GBSR Naidu, D.Srinivasa Rao, **PMK Prasad**, “Performance Analysis of OFDM system under in different UWB Channel Conditions” National Conference on E-Solutions for Sustainable Development (NCESSD-2015) organized by DayanandaSagar University, Bengaluru during 17<sup>th</sup> December, 2015.
  23. Manda Mahesh, **P.M.K.Prasad**, P.Murali Krishna “Adaptive Hold Logic with variable Latency Multiplier” International Conference on Recent Innovations in Engineering and Technology ICRIET-2K16 (ISBN: 978-93-86163-56-1) organized by Gandhi Institute of Engineering and Technology, Gunupur, Odisha during 5<sup>th</sup> & 6<sup>th</sup> November, 2016.
  24. **Dr.P.M.K.Prasad**, G.Umamadhuri, “Biorthogonal wavelet Based Image Compression”, **Springer Joint International** Conference on Artificial Intelligence and Evolutionary Computations in Engineering systems (ICAIECES-2017) & Power, Circuit and Information Technologies (ICPCIT-2017) organized by Madanapalli Institute of Technology and Science, Madanapalli, Andhra Pradesh during 27-29<sup>th</sup> April, 2017, published in Advances in Intelligent Systems and Computing Volume 668, 2018, pp473-483, **Springer Proceedings (Scopus Indexed)**.
  25. **Dr.P.M.K.Prasad**, Dr.Y.RaghavenderRao “Edge Feature Extraction of X-ray Images based on Simplified Gabor Wavelet Transform”, **Springer Joint International Conference** on Artificial Intelligence and Evolutionary Computations in Engineering systems (ICAIECES-2017) & Power, Circuit and Information Technologies (ICPCIT-2017) organized by Madanapalli Institute of Technology and Science, Madanapalli, Andhra Pradesh during 27-29<sup>th</sup> April, 2017, published in Advances in

- Intelligent Systems and Computing Volume 668, 2018, pp391-404, **Springer Proceedings (Scopus Indexed)**.
26. K.Srinivas Venkatesh, **Dr.P.M.K.Prasad**, “Filter Based Enhancement of X-Ray Image through Harware Description Langauge”, 2<sup>nd</sup> **IEEE International Conference on IntentiveCompuation Technologies(ICICT-2017)**, organized by RVS Technical campus,Coimbatore during 24-25<sup>th</sup> August 2017(**Scopus Indexed**).

**Reviewer/Editorial Board Member :**

- Reviewer, **Elsevier** Computers & Electrical Engineering-An International Journal
- Reviewer, **IET** , The Journal of Engineering.
- Reviewer, **IEEE Access**-Multidisciplinary International Journal.
- Reviewer, **Elsevier**, Journal of King Saud University - Computer and Information Sciences,
- Reviewer, **Heliyon Elsevier** Journal, London, UK.
- Reviewer, Journal of Ambient Intelligence and Humanized Computing, **Springer**
- Reviewer, Security and Communication Networks, An International Journal, Hindwai Publishers, London, U.K.
- Reviewer, International Journal of Biomedical Engineering and Technology, Inderscience Publishers,Switzerland.
- Reviewer, International Journal of Cloud Computing, Inderscience Publishers,Switzerland
- Reviewer, Journal of Engineering Science and Technology, Malaysia.
- Reviewer,International Journal of Advanced Computer Science and Applications,UK
- Editorial board member, International Journal of Advanced Computer Research.
- Reviewer, Advances in Science, Technology and Engineering Systems Journal ASTES Publishers, USA.
- Editorial board member, International Journal of Scientific Research in Science, Engineering and Technology
- Editorial board member, International Journal of Scientific Research in Science & Technology
- Editorial board member, International Journal of Advanced Engineering Research and Science
- Editorial board member, International Journal of Advanced Trends in Technology, Management and Applied Science
- Reviewer, International Journal of Computer Applications Technology and Research
- Editorial board member, International Journal of Latest Engineering and Management Research
- Editorial board member, International Journal of Latest Engineering Technology, Management and Applied Sciences
- Editorial board member, IJRDO-Journal of Electrical and Electronics Engineering.

**Reviewer/Technical Program Committee member/Session Chair for International Conferences:**

- **Reviewer** for International Conference on Computational Intelligence in Data Mining ICCIDM-2014 (**Springer Conference**) organized by VeeraSurendraSai University of Technology, Burla, Odisha, India.during 20 -21 December 2014.
- **Reviewer** for International Conference on Computational Intelligence in Data Mining ICCIDM-2015 (**Springer conference**) organized by Roland Institute of Technology, Bherhempur, odisha, India during 5-6<sup>th</sup> December,2015.
- **Reviewer**, for the **IEEE International Conference** on Teaching and Learning in Education (ICTLE 2016) organized by **UniversitiTenaga Nasional, Kuala Lumpur, Malaysia** during 1<sup>st</sup> - 2<sup>nd</sup> of March, 2016.
- **Reviewer** for third International Symposium on Computer Vision and the Internet (VisionNet'16) organized by The LNM Institute of Information Technology, Jaipur, Rajasthan, India during September 21-24, 2016.
- **Reviewer** for International conference on Electrical, Electronic and Mechanical Engineering EEME2016 during 29-30<sup>th</sup> September, 2016, Bangkok, Thailand.
- **Member, Technical Program Committee** for International conferences ICCIE2016, MCSSE2016, EEPE2016, WCNE2016, CMEE2016, MSOTA2016, ICEEA2016, SEEE2016, ITME2017, ICESEE2017, MMTA2017, AEMS2017, MSAM2017, CMME2017, EAME2017, SMCE2017, EMSE2017, TMCM2017, AMSIE2017, AMSM2017, AITA2017, MCAE2017, CMSA2018, AEEA2018,EPME2018,CNAI2018, ICEEA2018, MSO2018, ICAITA2018, EPE2018,MDMAE2018, EEME2018, EEE2018,AMSE2018,MEASS2018, IVPAl2018, CCNE2018, AMEE2018,EMSS2018, ICITME2018,ICEMEH2019, SMONT2019, AMMSO2019, AICAE2019, ERMAS2019, BDECE2019, ERMM2021.
- **Reviewer** for International conference on Computer, Electronics and Communication Engineering CECE2017 during 25-26<sup>th</sup> June 2017 Sanya, China.
- **Session Chair, Springer Joint InternationalConference** on Artificial Intelligence and Evolutionary Computations in Engineering systems(ICAIECES-2017) & Power, Circuit and Information Technologies(ICPCIT-2017) organized by Madanapalli Institute of Technology and Science, Madanapalli, Andhra Pradesh during 27-29<sup>th</sup> April,2017.
- **Reviewer** for 21<sup>st</sup> World Multi-Conference on Systemics,Cybernetics,and Informatics WMSCI2017 during July8-11, 2017,Orlando,Florida,USA.
- **Reviewer**for 4<sup>th</sup>International Conference on Computational Intelligence in Data Mining ICCIDM-2017 (**Springer Conference**) organized by VeeraSurendraSai University of Technology, Burla, Odisha, India. during 11-12<sup>th</sup>Novemeber 2017.
- **Reviewer** for 2<sup>nd</sup> International Conference on Wireless Communication and Network Engineering WCNE 2017 during 24-25 December 2017, Xiamen, China.
- **Reviewer** for International Conference on Micro-Electronics, Elecgtromagentic and Telecommunications ICMEET-2K18 (**Springer Conference**) organized by GVP College of Engineering, Visakhapatnam, India during 3-4 February,2018.
- **Reviewer** for International conference on Computer Science Electronics and Communication Engineering CSECE2018 during 7-8<sup>th</sup>February, 2018 Sanya, China.
- **Member of Technical Review Committee**, Ist International Conference on Soft Computing in Data Analytics SCDA2018 (Springer Conference) organized by Sri



Sivani College of Engineering, Srikakulam, Andhra Pradesh during 10-11<sup>th</sup> March, 2018.

- **Reviewer** for 2<sup>nd</sup> International Conference on Artificial Intelligence: Technologies and Applications ICAITA2018 during March 25-26<sup>th</sup>, 2018 ,Chengdu, China.
- **Reviewer** for 5<sup>th</sup>International Conference on Quantitative Sciences & its Applications ICOQSIA2018 during 7-9<sup>th</sup> August 2018, Langkawi, Malaysia.
- **Reviewer** for International Conference on Image, Video Processing and Artificial Intelligence IVP AI2018 during 15-17 August 2018, Shanghai, China.
- **Advisory Committee member, IEEE International Conference** on Intelligenet Computing and Sustainable System (ICICSS2018) organized by Akshaya College of Engineering and Technology, Coimbatore, India, 20-21<sup>st</sup>September 2018.
- **Member**, Technical Committee, Eighth International Conference on Computer Applications ICCA2018, New Delhi during 21-22<sup>nd</sup> September, 2018.
- **Member** , Technical Review Committee, 3<sup>rd</sup> International Congress organized by Association of Scientists, Developers and Faculties during 18-20<sup>th</sup> October 2018, Bangkok, Kingdom of Thailand.
- **Reviewer** for International Conference on Computational Intelligence in Data Mining ICCIDM-2018 (**Springer Conference**) organized by Veera Surendra Sai University of Technology,Burla, Odisha, India. during 15-16<sup>th</sup>December 2018.
- **Member of Technical Review Committee** for Ist International Conference on Computational Intelligence in Pattern Recognition-2019, **Springer,(CIPR-2019)** organized by **Indian Institute of Engineering Science and Technology(IEST)**, Shibpur, India during 19<sup>th</sup>-20<sup>th</sup> January 2019.
- **Advisory Committee member**,International Conference on Renewable Energy and Sustainability(ICRES-19) organized by Institute For Engineering Research and Publication(IFERP) Visakhapatnam,India, 5-6<sup>th</sup>April,2019.
- **Reviewer** for 23<sup>rd</sup>World Multi-Conference on Systemics,Cybernetics,and Informatics WMSCI2019 during July 6-9, 2019,Orlando,Florida,USA.
- **Member**, Technical Committee, Eighth International Conference on Cloud Computing and eGovernance, ICCCEG, London United Kingdom,during 25-26<sup>th</sup> July 2019.
- **Advisory Committee member,International Conference** on Intelligenet Computing and Sustainable System (ICICSS2019) organized by Akshaya College of Engineering and Technology, Coimbatore, India, 20-22<sup>nd</sup>August 2019.
- **Program Committee member** for International Conference on Image, Video Processing and Artificial Intelligence IVP AI2019 during 23-25 August 2019, Shanghai, China.
- **Organizing Committee member**, 4th International Conference on Communication Systems (ICCS-2019)” organized by B K Birla Institute of Engineering & Technology (BKBIET), Pilani, Rajasthan during October 18 & 19, 2019.
- **Reviewer**, Ist Inernational Conference on Innovation in Electrical Power Engineering, Communication and Computing Technology(IEPCCT-2019) Springer Conference oragnaised by SOA University, Bhubanesar during 13-14 December 2019.
- **Scientific Committee member**, International Conference on Multidisciplinary Perspectives in Engineering & Technology(ICMPET-19), 25-26<sup>th</sup> October 2019, Visakhapatnam, Andhra Pradesh, India.

- **Scientific Committee member**, International Conference on Academic Science and Engineering (ICASAE), organized by Institute For Engineering Research And Publication (IFERP) 15-16<sup>th</sup> November 2019, Hyderabad, Telengana, India.
- **Advisory Board member**, International Conference on Advances in Science, Engineering and Technology (ICASET-2019), organized by Institute For Engineering Research and Publication (IFERP) and KSRRM college of Engineering, Kadapa, Andhra Pradesh, India during 19-20<sup>th</sup> Decemeber 2019.
- **Reviewer, Elsevier book chapter**, book titled” Handbook Of Computational Intelligence In Biomedical Engineering And Healthcare”.
- **Technical Committee member, AICTE sponsored** International Conference on Computing, Communication, Electrical and Electronics Engineering ICCCEEE-2020 organized by G.Pulla Reddy Engineering College, Kurnool, Andhra Pradesh, India in association with Institute For Engineering Research and Publication (IFERP) during 10-11<sup>th</sup> January 2020.
- **Technical Committee member**, International Conference on Recent Challenges in Science, Engineering and Technology ICRCSET2020 organized by Chalapathi Institutte of Technology, Guntur, Andhra Pradesh, India in association with Institute For Engineering Research and Publication (IFERP) during 7-8<sup>th</sup> February 2020.
- **Technical Program Committee**, International Conference on Information Management, Innovation Management and Industrial Engineering ICIII2020, organized by India International Congress on Computational Intelligence IICCI, Phuket, Thailanad, February 20-22, 2020.
- **Reviewer**, International Conference on Computing Science, Communication and Security COMS2 (**Springer conference**) organized by Ganpat University, Mehsana, Gujarat, India during 26<sup>th</sup> to 28<sup>th</sup> March 2020.
- **Outreach Committee member**, International Conference on Research in Technology, Enterpreneurship, Management and Social science -2020( ICRTEMS-2020) organized by Saveetha School of Management, Chennai in association with Institute For Engineering Research and Publication (IFERP) during 3-4<sup>th</sup> April 2020.
- **Reviewer**, 24th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2020 during July 12-15, 2020, Orlando, Florida, USA.
- **Program Committee member**, 3<sup>rd</sup> International Conference on Image, Video Processing and Artificial Intelligence IVP AI2020 during 21-23 August 2020, Shanghai, China.
- **Session Chair, 2020** IEEE India Council International Sub-section's conference (INDISCON2020) organized by GVP College of Engineering, Visakhapatnam, India during 3-4 October,2020.
- **Reviewer**, Ist International Conference on Green Technology for Smart City and Society, GTSCS2020 (**Springer conference**) organized by the Institute of Technical Education and Research, Siksha ‘O’ Anusandhan University, Bhubaneswar, India, during 13–14 August 2020.
- **Member, Technical Review Committee**, 4<sup>th</sup> International Congress 2020, during 28-29, Decemember 2020, Kaula Lumpur, Malasia.
- **Reviewer**, International Conference on Computing Science, Communication and Security COMS2 (**Springer conference**) organized by Ganpat University, Mehsana, Gujarat, India during Februray 6-7, 2021.

- **Outreach Committee member**, 3<sup>rd</sup> International Conference on Latest Trends in Engineering and Management(ICLTEM) organized by Institute For Engineering Research and Publication (IFERP), Pune during 26<sup>th</sup> -27<sup>th</sup> February 2021.
- **Member, Technical Program Committee**, 3<sup>rd</sup> International Conference on Data, Engineering & Applications, IDEA2021( **Springer Conference**), Bhopal during June 11-12, 2021.
- **Technical Program Committee Member**, 9<sup>th</sup> International Conference on Frontiers of Intelligent Computing: Theory and Applications FICTA 2021 ( **Springer Conference**) Jointly organized by Dept.of Computer Science & Engineering, and Electronics & Communication Engineering, **National Institute of Technology, Mizoram**, India during June 25-26, 2021.
- **Reviewer**, 25th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2021 during July 18-21, 2021, Orlando, Florida, USA.
- **Technical Program Committee member**, 2<sup>nd</sup> International Conference on Innovations in Computational Intelligence and Computer Vision ICICV-2021 ( **Springer Conference**) Manipal University, Jaipur during August 05-06, 2021.

#### **Resource person**

- Resource person for two week “Short term training programme”, sponsored by ISTE-AICTE on “Computer Aided Design of Electronic circuits” (CADEC), and delivered talk on Digital Signal Processing using MATLAB during 1-13<sup>th</sup> December 2003 at Aurora’s Engineering college, Bhuvanagiri, Nalgonda(Dt), A.P.
- Resource person for Two Day National workshop on “EDC and Circuit Analysis for Young faculty”, delivered a talk on “Field Effect Transistor (FET) & Unijunction Transistor(UJT)” during 28-29<sup>th</sup> November 2008 at GMRIT, Rajam.
- Resource person for workshop on “values and beliefs” during November 2009 at GMRIT Rajam.
- Resource person for workshop on “Outcome Based Education & Accreditation” during November, 2013 at GMRIT Rajam.
- Resource person for two day training programme on “Digital Image Processing using MATLAB” during 1<sup>st</sup> -2<sup>nd</sup> June 2015 at GMRIT Rajam.
- Resource person for value added course on “MATLAB” organized by Dept.of ECE, GVP College of Engineering for Women, Visakhapatnam during December 2017.

#### **Coordinator/Organizing Committee member**

- organizing committee member for state level technical symposium AAROHAN conducted by Aurora’s Engineering college, Bhuvanagiri during 19-20 March 2004.
- organizing committee member for state level technical symposium ANANYA conducted by Aurora’s Engineering college, Bhuvanagiri during 8-9 October 2005.
- Programme committee member for short term training program(STTP) for Advances in Digital Signal processing organized by GMRIT, Rajam during 26-30<sup>th</sup> March 2007.
- Logistics and hospitality committee member for 10<sup>th</sup> ISTE student national convention organized by GMRIT, Rajam during 5-6<sup>th</sup> October 2007.
- organizing committee member for two Day National workshop on “EDC and Circuit Analysis for Young faculty”, delivered a talk on “Field Effect Transistor (FET)

- &Unijunction Transistor (UJT)” organized by GMRIT, Rajamduring 28-29 November 2008.
- Organizing committee member for two day national workshop on “Optimization techniques in engineering applications” during organized by GMRIT, Rajam during 12-13<sup>th</sup> March 2009.
  - Organizing committee member for DST sponsored two day national Workshop on Advanced Digital Signal Processing Applications in Electronics and Telecommunications(WASET2010) organized by GMRIT Rajam during 19-20 February 2010.
  - Organizing committee member for two day national workshop on FPGA based DSP Implementation using XILINX(FDIX-10) organized by GMRIT Rajam during 26-27<sup>th</sup> November 2010.
  - Organizing committee member and Treasurer for International conference on Machine Intelligence Application to Power, Signal Processing, Communication and Control (MIPSCCON-2011), GMR Institute of Technology, Rajam during 7<sup>th</sup>-9<sup>th</sup> April 2011.
  - Organizing committee member for two day national workshop on Advanced Communication Systems and Networks (ACSAN-2011) organized by GMRIT, Rajam during 18-19<sup>th</sup> November 2011.
  - Committee member for college annual day celebrations, GMRIT Rajamduring the years 2010-2016.
  - Organizing committee member for two day national workshop on Embedded systems and Real time operating systems (ESRTOS-2012) organized by GMRIT, Rajam during 16-17<sup>th</sup> November 2012.
  - Committee member, Graduation day celebrations,GMRIT,Rajam during June 2013.
  - programme committee member for two day national workshop on VLSI application to Radar and Image Processing (VARIP-2014) organized by GMRIT, Rajam during 28<sup>th</sup> Feb -1<sup>st</sup> March 2014.
  - organizing committee member, National workshop on Wireless Sensor Networks for Health Care & Environmental Monitoring (WSNHEM-14) organized by GMRIT, Rajamduring 14-15 Nov, 2014.
  - organizing committee member and Treasurer for Five-day National Workshop on “Advanced Signal Processing Applications in Electronics and Telecommunications (WASET-2k16)” sponsored by Department of Science and Technology, New Delhi, Govt. of India, organized by Department of ECE, GMRIT, Rajam during 21<sup>st</sup> - 25<sup>th</sup> March, 2016.
  - Institutional Faculty coordinator, Hospitality committee, national level Student Technical Paper Contest and Exhibition STEPCONE-17 organized by GMRIT Rajam.during 27-29<sup>th</sup> January-2017
  - organizing committee member and Treasurer for Two-day National Workshop on “Recent Advances in Signal Processing and Communications”organized by Department of ECE, GMRIT, Rajam during 21<sup>st</sup> – 22<sup>nd</sup> April, 2017.
  - Coordinator for three day Faculty Development Programme on “Signal Processing and Communication Systems” organized by Dept.of ECE, GVP College of Engineering for Women, Visakhapatnam during 15-17<sup>th</sup> November, 2017.
  - Chair person,Organizing Committee, three day national Workshop on Cryptology & Cyber Security, (WCCS-2018), sponsored by Cryptology Research Scoienty of

- India(CRSI) Kolkata,Jointly organized by Departments of CSE & ECE,GVP College of Engineering for Women, Visakhapatnam during 22-24<sup>th</sup> March, 2018.
- Organizing Committee member for three day workshop on Custom Analog & Digital IC Design Using Mentor EDA Tools (ADICD-2018) in technical association with CoreELTechnologies, Bangalore, organized by Dept.of ECE, GVP College of Engineering for Women, Visakhapatnam during 27-29<sup>th</sup> September, 2018.
- Member, Advisory Board, five day hands on workshop on “Fight Covid-19using IOT” organized by Dept.of ECE, GVP College of Engineering for Women, Visakhapatnam in association with Enovate Skill, Chandigarh during 6th -10th July, 2020.

### **Co-curricular duties**

- Assistant coordinator, JNTU spot valuation centre, GMRIT, Rajam,May,2008.
- Observer for EAMCET 2015, EAMCET 2016.
- Observer for JNTU B.Tech exams,2006, 2007, 2018, 2019, 2021
- Chief valuer for JNTU B.Tech spot valuation, 2010, GMRIT B.Tech (Autonomous) spot valuation, 2014, 2015, 2016, 2017 and Chief examiner, JNTU B.Tech spot valuation 2021.
- Question paper setter for VRSEC, PVPSIT, RVRJCCE, LBREC, SVECW, MLRIT, GPREC, GIET .
- Acted as External examiner for M.Tech. (Communication Systems), Project Viva-voce, Department of ECE, ANITS, Visakhapatnam, September 2017.
- Acted as External examiner for B.Tech ECE final year project Viva-voce Department of ECE, SSCE, Srikakulam,
- Acted as External examiner for B.Tech ECE 8<sup>th</sup> semester project Viva-voce Department of ECE, GMRIT, Rajam, April 2019.
- Acted as External examiner for M.Tech ECE (Radar & Microwave Engineering) project Viva-voce, Department of ECE, **A.U. College of Engineering, Andhra University, Visakhapatnam**, November 2019.
- Prepared LMS based courses,GVPCEW, Visakhapatnam .  
Digital Image Processing, Cellular and Mobile Communications.
- Internal judge,national level student paper contest, Student Technical Paper Contest and Exhibition (STEPSTONE) organised by GMRIT, Rajam during the years 2011 to 2016.
- Prepared students handbook material for five subjects during 2003 to 2006 at Aurora’s Engineering college, Bhuanagiri.  
Electronic Devices and Circuits,Digital Image Processing,Linear and Digital Integrated Circuits Applications, Digital Signal Processing,Digital Speech & Image Processing.
- Prepared LAN based courses(UG),GMRIT,Rajam.  
Digital Image processing, Electronic Devices and circuits Cellular and mobile communications,Digital Signal processing,Wireless communications and Networks, Analog Communications,Signals and Systems, Digital Communications.

**Projects guided:**

P.G.Projects: 11

U.G.Projects: 28

**Professional body memberships:**

- Life Member, Indian Society for Technical Education( ISTE), New Delhi.
- Associate member, Institution of Electronics and Telecommunication Engineers(IETE), New Delhi.
- Life Member, International Association of Engineers(IAENG), HongKong.

**Personal Profile**Date of Birth: 12<sup>th</sup> June,1970

Father's Name: Late P.RamaRao

Mother's Name: Late P.VimalaKumari

Sex: Male

Marital Status: Married

Nationality: Indian

Languages Known: English, Hindi and Telugu

**Declaration**

I hereby declare that the information furnished above is true to the best of my knowledge and belief. I assure of my endeavors to do my level best up to your utmost satisfaction.

Place: VISAKHAPATNAM

Date: 7- 9-2021

Dr.P.M.K.PRASAD