

## ***Profile of Prof. V.V.K.D.V PRASAD***



**Name** : **Dr. V. V. K. D. V. PRASAD**

**Father's Name** : V. Lakshmana Rao

**Date & Place of Birth** : 02-06-1970, Gudiwada,  
Krishna Dt., A.P

**Address for communication** : Dr. V.V.K.D.V. PRASAD  
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**Present Position** : Professor of ECE  
Convener-IQAC  
Seshadri Rao Gudlavalleru Engineering  
College,  
Gudlavalleru– 521 356, Krishna Dt.  
Andhra Pradesh, India

**Other Positions** : Former Executive Committee (Governing body)  
Member of Prestigious Jawaharlal Nehru  
Technological University (JNTUK), Kakinada

NAAC Peer Team Expert committee member

Member of Board of Studies of  
E&CT, JNTUK, Kakinada

Member of Board of Studies of  
ECE, Krishna University, Machilipatnam

#### **Other Previous Positions**

- Member of Board of Studies of Electronics & Communication Engineering of Krishna University, Machilipatnam, Andhra Pradesh (2023- till date)
- Member of Board of Studies of Electronics & Communication Engineering of Acharya Nagarjuna University, Guntur (2010-2012)
- Member of Board of Studies of Electronics & Instrumentation Engineering of Acharya Nagarjuna University, Guntur(2010-2012)
- E-Tender opening committee member of Krishna University ( 2021)
- Chairman of Board of Studies of Electronics & Communication Engineering, Gudlavalleru Engineering College, Gudlavalleru, Krishna Dt. A.P.(2017—2020)
- Chairman of Board of Studies of Electronics & Communication Engineering, RVR& JC College of Engineering, Guntur (2012-2013)
- Member of Board of Studies of Electronics & Communication Engineering of Gudlavalleru Engineering College, Gudlavalleru, A.P (2013-2017)

- Member of Academic Council of RVR&JC College of Engineering, Guntur(2012-2013)
- Member of Standing Committee to Academic Council of RVR & JC College of Engineering, Guntur(2012-2013)
- Member of Academic Council of Gudlavalleru Engineering College, Gudlavalleru, Krishna Dt. A.P. (2016-Till date)
- Member of Common Board of Studies of RVR&JC College of Engineering, Guntur(2012-2013)
- Chairman, Department(ECE) research committee, Research Centre, GEC Recognized by JNTU Kakinada, (2015-2017)

### **Educational Qualifications**

- Got State 9<sup>th</sup> rank in SSC studying in govt. high school
- Got Town First in Intermediate studying in govt.college
- Got 547 rank in State level admission Test (EAMCET) for Engineering
- Studied B.Tech in govt. Engineering college
- Studied M.Tech in govt. Engineering College
- Ph.D from govt. University

<b>Exam / Degree</b>	<b>University / Board/ Institution</b>	<b>Year of passing</b>	<b>% of Marks &amp; Class or Division</b>	<b>Specialization</b>
S.S.C.	Town High School, Gudiwada, A.P. Board of Secondary Education, A.P	1985	88.83 First Class with Distinction <b>(State 9<sup>th</sup> Rank)</b>	---
Intermediate	A.N.R. College, Gudiwada, A.P Board of Intermediate Education A.P	1987	89.26 (Group%) First Class with Distinction  <b>(Town First)</b>	Maths, Physics, Chemistry
B.Tech	J.N.T.U. College of Engineering, Kakinada J.N.T. University, Kakinada,A.P	1991	69.12 First Class	Electronics & Communication

M.Tech	J.N.T.U. College of Engineering, Hyderabad J.N.T. University, Hyderabad	2002	75.03 First Class with Distinction	Digital Systems & Computer Electronics (DSCE)
Ph.D	J.N.T. University Kakinada, A.P	2011	---	Signal Processing

### **Employment Record**

#### ***Experience***

- Professor : 13 years and 8 months
- Associate Professor: : 8 years and 2 months
- Asst. professor : 5 years and 10 months
- Lecturer : 3 years and 11 months

**Total 31 years and 7 months experience (approx.) in Teaching, Research and Administration**

S.No.	Name & Address of Institution	Post held	Scale of Pay	From	To
1.	Vivekananda Institute of Technology, Gudiwada, A.P.	Lecturer in Electronics & Communication Engineering	Rs. 1,000/- (Consolidated)	20-03-1993	20-04-1994 (1 Year and 1 month)
2.	A.N.R. College, Gudiwada, A.P. (Aided College)	Lecturer & Head of the Dept. of Electronics	Rs. 2,900/- (Consolidated)	25-08-1994	30-06-1997 (2years and 10 months)
3.	R.V.R. & J.C. College of Engg. Chowdavaram, Guntur, A.P.	Assistant Professor in Electronics & Communication Engineering	Rs. 2200-75-2800-100-4000	07-07-1997	29-01-2000 (2 Years & 7 Months)
4.	Vasavi College of Engg. Ibrahimbagh, Hyderabad.	Assistant Professor in Electronics & Communication Engineering	Rs. 8000- 275-13500	01-02-2000	02.05.2003 (3 Years & 3 Months)

5.	R.V.R. & J.C. College of Engg. Chowdavaram, Guntur, A.P.	Associate Professor in Electronics & Communication Engineering	Rs. 12000- 420 – 18300	05-05-2003 30-06-2010 (7 Years and 2 months)
6.	R.V.R. & J.C. College of Engg. Chowdavaram, Guntur, A.P.	In- Charge HOD & Associate Professor in Electronics & Communication Engineering	Rs. 12000- 420 – 18300	01-07-2010 30-06-2011 (1 Year)
7.	R.V.R. & J.C. College of Engg. Chowdavaram, Guntur, A.P.	Professor & Head of the dept. of Electronics & Communication Engineering	Rs. 37400- 67000+ 10000(AGP) (Sixth Pay Scale)	01-07-2011 30-06-2013 (2 Years )
8.	R.V.R. & J.C. College of Engg. Chowdavaram, Guntur, A.P.	Professor of Electronics & Communication Engineering	Rs. 37400- 67000+ 10000(AGP) (Sixth Pay Scale)	01-07-2013 07-10-2013 (3 months)
9	Gudlavalleru Engineering College,Gudlavalleru Krishna Dt. A.P.	Professor of Electronics & Communication Engineering	Rs. 37400- 67000+ 10000(AGP) (Sixth Pay Scale)	09-10-2013 02-07-2017 (3 years and 9 months)
10	Gudlavalleru Engineering College,Gudlavalleru Krishna Dt. A.P.	Professor and Head of the dept.of Electronics & Communication Engineering	Rs. 37400- 67000+ 10000(AGP) (Sixth Pay Scale)	03-07-2017 30-11-2020 (3years and 5 months)
11	Gudlavalleru Engineering College,Gudlavalleru Krishna Dt. A.P.	Professor of ECE and Additional Controller of Examinations	Rs. 37400- 67000+ 10000(AGP) (Sixth Pay Scale)	01-12-2020 31-12-2022 (2 years and one month)

12	Gudlavalleru Engineering College, Gudlavalleru Krishna Dt. A.P. (Accredited by NBA four times and TIER –I also ,NAAC-A grade, Autonomous)	Professor of ECE and Convener -IQAC	Rs. 37400-67000+10000(AGP) (Sixth Pay Scale)	01-01-2023 Till date (2 years and two months)
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### **Administrative Experience**

- Head of the department of ECE, Gudlavalleru Engineering College, Gudlavalleru, Krishna Dt. A.P. (2017 -2020)
- Head of the department of ECE, RVR&JC College of Engineering, Guntur (2010-2013)
- Additional Controller of Examinations, Gudlavalleru Engineering College, Gudlavalleru, Krishna Dt. A.P. (2020 – 2023)
- Asst. Placement Officer, Vasavi College of Engineering, Hyderabad (2000-2003)
- Head of Signal Processing Research Group, Dept. of ECE, GEC, Research Centre, Recognized by JNTU Kakinada (2013- Till Date)

### **Faculty Incharge/Member of Committee(s)**

- Faculty In charge /Convener for all First year B.Tech courses and activities, Gudlavalleru Engineering College, Gudlavalleru, A.P (2015-2017)
- Faculty In charge/Convener for committee for GECFEST(Committee for national level paper presentation, poster presentation and other curricular activities), Gudlavalleru Engineering College, Gudlavalleru, A.P (2014-2015)
- Faculty In charge/Convener for committee for Innovation and Best Practices, Gudlavalleru Engineering College, Gudlavalleru, A.P (2015-2016)
- Faculty In charge/Convener for Academic Advancement committee, Gudlavalleru Engineering College, Gudlavalleru, A.P (2015-2016)

- Faculty In charge/Convener of NBA Committee for ECE and EEE, Gudlavalleru Engineering College, Gudlavalleru, A.P (2016-2017)
- Faculty in charge/Convener for committee for monitoring the implementation of Blooms Taxonomy, Gudlavalleru Engineering College, Gudlavalleru, A.P (2017-2018)
- Member of Academic Audit committee, Gudlavalleru Engineering College, Gudlavalleru, A.P (2014-2015)
- Member of IQAC, Gudlavalleru Engineering College, Gudlavalleru, A.P (2017-till date)
- Overall B.Tech ECE program academic committee- Coordinator, Gudlavalleru Engineering College, Gudlavalleru (2014-2017)
- Curriculum Design Coordinator-ECE, Gudlavalleru Engineering College, Gudlavalleru(2016-2017)
- Member of program committee coordinator-ECE, Gudlavalleru Engineering College, Gudlavalleru(2013-2016)
- Member of Project review committee for M.Tech ES, Gudlavalleru Engineering College, Gudlavalleru(2014-2017)
- Member of ECE dept. advisory committee, Gudlavalleru Engineering College, Gudlavalleru(2013-2015)
- Member of Comprehensive Viva-Voce for M.Tech DECS Committee, Gudlavalleru Engineering College, Gudlavalleru(2015-2017)
- Member of College level Committee for performance evaluation of College Autonomous Status (December 2020)
- Member of College level Academic and Administrative Audit Committee (01-07-2019 to 30-06-2020)
- Coordinator for NBA, ECE-GEC, Gudlavalleru Engineering College, Gudlavalleru, A.P (2013-2016)
- Convener for various committees at RVR & JC College of Engineering Guntur and Vasavi College of Engineering, Hyderabad (1997-2011)
- Worked many times for NBA accreditation and Other accreditations.
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- Worked as Associate Chief Superintendent four times for EAMCET Entrance examinations conducted by Andhra Pradesh state government.

### **Awards/Fellowships/Other Achievements**

- ISTE AP State Award For Best ECE Teacher
- Fellow of IE (I) (F-1206407)
- Fellow of IETE (F-190644)
- VIDYA RATAN Award by TEHEG, New Delhi
- Bronze Category Certificate from CBDT, Ministry of Finance, Govt. of India for A.Ys:2019-20, 2017-18, 2016-17 in the recognition as best tax payer
- State 9<sup>th</sup> Rank in S.S.C
- Town first in Intermediate
- State special merit scholarship
- National merit scholarship
- Telugu Vignam Parithoshakam

### **Professional Positions**

- Chairman of IETE Vijayawada Centre (2018- 2020)
- Treasurer of IETE Vijayawada Centre (2014- 2018)
- Executive member of IETE Vijayawada Centre during (2008-12)
- Executive Member of IE Vijayawada State centre (2018-Till date)
- Life Member of ISTE (LM-38703)
- Life Member of SLT(LM 469)

### **Research Guidance**

#### **Ph.D Guidance :**

- Guided 5 PhDs and two more submitted thesis
- Presently guiding 2 scholars

**No. of B.Tech Projects/Theses Guided : 44**

**No. of M.Tech Projects/Theses Guided :22**



### Patents Granted:

- Title of Invention: A System For Reducing Noise From An Electromyogram Signal(EMG) And a Method Thereof, Patent No.202141016282, Journal No.17/2021, Dated: 23/04/2021, Page no-97

### Patents Published:

- Title of Invention: Intelligent Accident Avoidance using Satellite Based Positioning System: Patent No.202041028920 Journal No. 31/2020 Dated:31/07/2020 Page no. 28671:
- Title of Invention: Intelligent Video Surveillance System Ensuring Privacy of People: Patent No.202041029262: Journal No. 31/2020 Dated:31/07/2020 Page no. 28687
- Title of Invention: Design of Low power Transconductance Amplifier and Filter For ECG Applications, Patent No. 202141006907 Journal No. 09/2021 Dated:26/02/2021 Page no. 9826
- Title of Invention: Low Power SRAM cell design for Embedded System Applications, Patent No. 202241038988A, Journal No. 28/2022, Dated 15/07/2022, Page No.44470
- Title of Invention: Internet of things and LoRAWAN based SMART AGRICULTURE Monitoring System with artificial intelligence analysis, Patent No. 202241046303A, Journal No. 34/2022, Dated 26/08/2022, Page No.53479
- Title of Invention: Electromagnetic separating means of a smart trolley for multiple compartments Patent No. 202241061751A, Journal No. 49/2022, Dated 09/12/2022, Page No.77823

### Projects

- **Principal Investigator**-----AICTE RPS (Research promotion Scheme) Project worth around Rs.10 lakhs titled *Design of Operational Transconductance Amplifier for ECG Applications using CMOS Technology (OTA)* (2021-22)
- **Principal Investigator**-----MODROBS Project worth Rs. 18 lakhs titled *Augmentation of Facilities in Microwave and Optical Communication lab* (2019-20) sponsored by AICTE

## Research Interests

- Wavelets and Multiresolution analysis
- Multirate Signal Processing
- Biomedical Signal Processing
- Image Processing
- Adaptive Signal Processing
- Communications

## Research Group

I am acting as Head of the Research Group on Signal Processing which will carry out the following activities

- To Promote Research activity in the department
- To establish research labs wherever necessary
- To obtain research projects funded by govt. agencies
- To promote consultancy work in the dept.
- To establish Industry-Institute interaction

## Research Work/Research Papers Published

**Vidwan-Inflibnet Score: 9.6/10**

<b>Research Ids:</b> Papers available at the following ids	
Google Scholar	<a href="https://scholar.google.co.in/citations?user=lAGwj_IAAAAJ">https://scholar.google.co.in/citations?user=lAGwj_IAAAAJ</a>
Orcid id	<a href="https://orcid.org/0000-0001-9554-3814">https://orcid.org/0000-0001-9554-3814</a>
Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=57197782746">https://www.scopus.com/authid/detail.uri?authorId=57197782746</a>
Publons	<a href="https://publons.com/researcher/1847636/vvkd-varaprasad/">https://publons.com/researcher/1847636/vvkd-varaprasad/</a>
Research Gate	<a href="https://www.researchgate.net/profile/Varaprasad-Vvkdv-2/research">https://www.researchgate.net/profile/Varaprasad-Vvkdv-2/research</a>
Vidwan-Inflibnet	<a href="https://vidwan.inflibnet.ac.in/profile/176285">https://vidwan.inflibnet.ac.in/profile/176285</a>
Web of science	<a href="https://www.webofscience.com/wos/author/record/T-2816-2018">https://www.webofscience.com/wos/author/record/T-2816-2018</a>

## International Journals:

### SCI/Scopus/ /Web of Science/ IEEE Explore - Publications (Post Ph.D):

- [1] Rohith Bala Jaswanth B, V.V.K.D.V.Prasad, M.Kamaraju, “Design of Three Stage Cascaded Low Power CMOS Operational Transconductance Amplifier for ECG Applications”, Multimedia Tools & Applications- Springer, DOI:10.1007/s11042-018-6873-9, 02 March 2019, [Impact factor-2.101, Springer US, (**SCI Indexed**),45 H index, Springer Nature 2018]
- [2] B.Nagasirisha,V.V.K.D.V.Prasad. “Noise Removal from EMG Signal Using Adaptive Enhanced Squirrel Search Algorithm”, Fluctuation and Noise Letters, Vol. 19, No. 04, 2050039 (2020) ,05 October 2020, DOI: <https://doi.org/10.1142/S0219477520500388> , [Impact factor-0.99, Web of Science Core Collection:( **SCI-E and Scopus**),24 H index]
- [3] D Prabhakar, Rajendrababu, V Adinarayana, V.V.K.D.V.Prasad, " A Hybrid Approach on Metamaterial loaded – Fractal Antenna Design", The Applied Computational Electromagnetics Journal **SCI-E and Scopus**,Vol.35, No 9, September 2020,pp: 1022-1029, <https://doi.org/10.47037/2020.ACES.J.350907>
- [4] Azmeera Srinivas, V.V.K.D.V. Prasad and B. Leela Kumari ,”Level Set Segmentation of Mammogram Images using Adaptive Cuckoo K-Means Clustering” Accepted for Publication in Applied Nano Science(**SCI-E**)
- [5] M Nagu, V.V.K.D.V.Prasad, BT Krishna “Tropical Cyclone Detection in South Pacific and Atlantic coastal areas using optical flow estimation and RESNET deep learning model” accepted for publication Acta Geophysica **SCIE**
- [6] Azmeera Srinivas, V. V. K. D. V. Prasad, B. Leela Kumari “Level set segmentation of mammogram images using adaptive cuckoo K-means clustering” Applied Nano Science **SCIE**, February 2022
- [7] B.Nagasirisha, V.V.K.D.V.Prasad. “EMG Signal De-Noiseing using Adaptive Filters through Hybrid Optimization Algorithms”, Biomedical Engineering: Applications, Basis and Communications, Vol. 33, No. 1 (2021) 2150009 (17 pages) DOI: 10.4015/S1016237221500095, [Impact factor-0.43,Web of Science Core Collection: (**ESCI & Scopus**),20 H Index]
- [8] B.Naga Sirisha, V.V.K.D.V. Prasad “A New Approach for Reduction Of Baseline Wander Noise In EMG Signal” in Turkish Journal of Physiotherapy and Rehabilitation; Vol.32,Issue-2,Pages : 3658 - 3663 ISSN 2651-4451 | e-ISSN 2651-446X.(**ESCI &Scopus**).

- [9] Damodar, Y V Narayana, V.V.K.D.V. Prasad, “Novel low power data retention regulating mechanism using DR-VDR in SRAM design”. Jour of Adv Research in Dynamical & Control Systems, Vol. 12, No. 2, 2020, pp.823-834, ISSN 1943-023X 17, IF-0.16 **(Free Scopus)**
- [10] M.V.Srikanth, V.V.K.D.V. Prasad, K. Satya Prasad, “An Improved Firefly Algorithm-Based 2-D Image Thresholding for Brain Image Fusion,” International Journal of Cognitive Informatics and Natural Intelligence, Vol.14,issue.3,article.4,2020. ISSN: 1557-3958 **(Free Scopus and Web of Science)**
- [11] Rohith Bala Jaswanth B, V. V. K. D. V. Prasad, M. Kamaraju “Design of Operational Transconductance Amplifier (OTA) using Heterogeneous Avalanche Voltage Change Over Circuit”, Journal of Advanced Research in Dynamical and Control Systems, ISSN:1943-023X,2020. **(Free Scopus)**
- [12] Nagu Malothu, V.V.K.D.V. Prasad, “Improved Classification of Fetal Abnormalities Using Automated ABC ANFIS Classifier”, International Journal of Engineering and Advanced Technology, Vol.8,issue.6S2, 2019. ISSN:2249-8958, I.F: 5.97 **(Free Scopus)**
- [13] Ch. Rambabu, V.V.K.D.V. Prasad, K. Satya Prasad , “Energy Efficient Backend Cluster Head and Fault Tolerance model for Wireless Sensor Networks”, Journal Of Mechanics Of Continua And Mathematical Sciences, Vol.14,issue.3,pp.393-406,2019. **Web of Science**, I.F:2.62
- [14] Rajasekhar, G., Prasad, V.V.K.D.V., Srikanth, M.V.,”Multilevel medical image fusion using multi-level local extrema and non sub-sampled contourlet transformation”, Proceedings of IEEE International Conference on Signal Processing and Communication, ICSPC 2017, July 28-29, 2017. **(IEEE xplore)**, pp. 246–252
- [15] B.Naga Sirisha, V.V.K.D.V. Prasad, “Noise Estimation using Kalman Filter in Image Restoration”, International Journal of Engineering and Advanced Technology, Vol.8,issue.6S2, 2019. ISSN:2249-8958, I.F: 5.97 **(Free Scopus)**
- [16] Ch. Rambabu, V.V.K.D.V. Prasad, K. Satya Prasad , “A Visiting Center based Energy Efficient Data Collection Method for WSN”, International Journal of Recent Technology and Engineering, Vol.8,issue.3, 2019 ISSN:2277-3878, I.F: 5.92 **(Free Scopus)**
- [17] A.V.Srikrishna, VVKDV Prasad, M.V.Srikanth,” Image Denoising using Guided Filtering” Journal of Advanced Research in Dynamical and Control systems, vol.1 no.11, July 2017,pp 297-306 ISSN:1943-023X. **(Free Scopus)**
- [18] Ch. Rambabu, V.V.K.D.V. Prasad, K. Satya Prasad , “State of the Art Energy Efficient Optimization Algorithms in Wireless Sensor Networks”, International Journal of

- Engineering and Advanced Technology, Vol.8,issue.6S2, 2019. ISSN:2249-8958, I.F: 5.97 **(Free Scopus)**
- [19] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “Denoising of biological signals using a new wavelet shrinkage method”, Proc. IEEE International conference on Industrial and Information Systems, IIT Kharagpur, December 8-10, 2008, pp.1-5. ISBN:978-1-4244-2806-9,IEEECatalogNo:CFPO858A,LibraryofCongress:2008906756 It is uploaded in **IEEE xplore**. (during Ph.D)
- [20] M.V.Srikanth, V.V.K.D.V. Prasad, K. Satya Prasad,” Optimal Threshold Based Brain Image Fusion for Brain Cancer Detection using Firefly algorithm”, International Journal of Recent Technology and Engineering, Vol.8,issue.2, 2019. ISSN:2277-3878, I.F: 5.92 **(Free Scopus)**
- [21] Ramya, V.V.K.D.V.Prasad, M.V. Srikanth “A Novel Method of Medical Image Fusion using Cross Bilateral Filter and Particle Swarm Optimization” IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering, Bhubaneswar, July 27-28, 2018. **IEEE xplore**
- [22] D.Prabhakar, VVKDV Prasad, T.Sai charan,T.Vamsi, Y.Pravallika,K.Anil Kumar “Wearable Antennas using different substrates” IJEAT Vol.8 No.4,pp. 820-823, April, 2019,ISSN: 2249-8958. I.F: 5.97 **(Free Scopus)**
- [23] Ch. Rambabu, V.V.K.D.V. Prasad, K. Satya Prasad, “A Research on Energy Efficient Cluster Routing for the Wireless Sensor Networks” ,International Journal of Innovative Technology and Exploring Engineering,Volume-8, Issue- 6S4, April 2019, ISSN: 2278-3075. IF-5.54**(Free Scopus)**
- [24] Ch. Rambabu, V.V.K.D.V. Prasad, K. Satya Prasad, “A PSO-TDMA based Energy Efficient Unequal and Fault Tolerant Clustering Protocol for Wireless Sensor Networks”. Jour of Adv Research in Dynamical & Control Systems, Vol. 11, No. 11, 2019, pp.8-17, ISSN 1943-023X 17, IF-0.16 **(Free Scopus)**
- [25] M.V.Srikanth, V.V.K.D.V. Prasad, K. Satya Prasad, " A 2D Histogram –Based Image Thresholding using Hybrid Algorithms for Brain Image Fusion” International Journal of System Dynamics applications, Vol 11, Issue 6 pp-1-24
- [26] Rohith Bala Jaswanth B, V.V.K.D.V.Prasad, M.Kamaraju ,“Impact on Gain and Noise : ECG Amplifier & Comb Filter Design using OTA”, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-6S2, August 2019,[ Impact factor-5.97,**(FreeScopus)** DOI:10.35940/ijeat.F1203.0886S219
- [27] Dr.D.Prabhakar1, Dr. V.V.K.D.V.Prasad2, I.V.V.S.D.Srilekha3, G. Sruthi Mahitha3, K. Anand Babu3 Design of Frequency and Pattern Reconfigurable Antennas by using

E-Shaped structure (**UGC Care Group I Listed Journal**) ISSN: 2278-4632, Vol-10 Issue-7 No. 1 July 2020 pp.107-120 |

- [28] D. Prabhakar, Venkateswara Rao Kolli, V. V. K. D. V. Prasad, M.Vasudevarao , P.Bhuvan Chand,” Performance Prediction of Graphene-based patch antenna using different ground plane dimensions” Accepted for publication in Materials Today(**Free Scopus**)

***Other Journal Publications:***

- [1] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “A New Wavelet Based Method for Denoising of Biological Signals,” IJCNS International Journal of Computer Science and Network Security, vol. 8, no.1, pp. 238-244, January 2008. ISSN: 1738-7906
- [2] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “A new thresholding Method for denoising of biological signals using wavelets,” Advances in Computer Science and Engineering, vol. 2, no. 2, July 2008, pp. 189-199. ISSN: 0973-6999
- [3] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “Denoising of Biological Signals using Different Wavelet Based Methods and their Comparison,” Asian Journal of Information Technology, vol. 7, no. 4, pp. 146-149, April 2008 ISSN: 1682-3915. (Free Scopus) (during Ph.D)
- [4] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “A novel filtering approach for estimation of biological signals using wavelets,” Journal of Instrumentation Society of India, vol. 39, no.2, June 2009, pp.121-125 ISSN: 1748-0221, (during Ph.D)
- [5] V.V.K.D.V. Prasad and P.P. S.Subhashini, “ Hand Written Digit Recognition using Kalman Filter” International Journal of Electronics & Communication Engineering Vol.5, No.4 , 2012, pp.431-440. ISSN: 0974-2166 I.F: 1.95
- [6] K. Sravanthi, V.V.K.D.V.Prasad and B.V.V.Rao, “Design of FIR Filter by using Sharing Multiplier with low delay” International Referred Journal of Engineering and Science, Vol. 1, No.1, pp. 57-64 ISSN: 2319-1821
- [7] P.P.S.Subhashini, V.V.K.D.V.Prasad, “Recognition of Hand written digits using RBF Neural Network” International Journal of Research in Engineering & Technology, Vol.2, No.3, 2013, pp. 393-397 ISSN: 2319- 1163
- [8] V.V.K.D.V.Prasad, T.Swarna Latha and M. Suresh “Denoising of Biological Signal using wavelets” International Journal of Current Engineering and Technology, Vol.3, No.3, 2013, pp.863-866 ISSN: 2277-4106 I.F:1.274

- [9] V.V.K.D.V.Prasad, M. Suresh and A.Muralikrishna “A new wavelet packet based method for denoising of biological signals” International Journal of Research in Computer and Communication Technology, Vol.2, No.10, 2013, pp. 1056-1062 ISSN: 2320-5156, I.F:1.925, ICV: 6.07, JIF: 1.925
- [10] P.P.S.Subhashini, V.V.K.D.V.Prasad, “A Novel Approach for Handwritten Digit Recognition using Radial Basis Function Neural Network” ANU journal of Engineering & Technology, an International research Journal, Vol.III, No.2, 2012.
- [11] V.V.K.D.V.Prasad, M. Suresh and A.Muralikrishna “Enhanced Image by Wavelet Based Compression Method” International Journal of Scientific Engineering and Technology, Vol.3, No.7, pp. 959-961, 2014, ISSN: 2277-1581, I.F:1.8
- [12] Koteswara Rao, V.V.K.D.V.Prasad, “Decimated and Undecimated Wavelet Transforms Based Estimation of Images” International Journal of Innovative Research in Science, Engineering and Technology, Vol.3, No.10, pp. 16981-16988, 2014, ISSN: 2319-8753, I.F:1.6
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- [14] V.V.K.D.V.Prasad, Koteswara Rao, “Estimation of Images using Decimated Wavelet Transform” IJIPA, Vol.5, No.2, pp. 223-228, 2014
- [15] V.V.K.D.V.Prasad, ARN Teja “Non Parametric Regression of Biological Signals using Wavelets” International Journal of Engineering Research & Technology, Vol.3, No.9, pp. 219-223, 2014, ISSN: 2278-0181, I.F:1.5
- [16] V.Vijaya Lakshmi, V.V.K.D.V.Prasad, Speech Enhancement using Statistical Estimators based on wavelet Transformations” International Journal of Computing and Technology, Vol.2, No.7, pp. 219-226, July 2015
- [17] Ch. Mohan Saikumar, V.V.K.D.V.Prasad, Spasmodic Regression of Images using Decimated Wavelet Transform” International Journal of Advanced Research in Computer Science and Software Engineering, Vol.5, No.8, pp. 592-597, August, 2015
- [18] P. Bala Saiteja, K. Vasavi, M.A.S.Prasad, K.R.K, VVKDV Prasad, “ Enhanced Security for ATM Transactions using Facial Verification”, International Journal of Electronics and Communication Engineering, Vol.3, No.3, pp. 5-7, March 2016, ISSN: 2348-8352
- [19] N. Naga Tejaswi, M. Venkata Srikanth, VVKDV Prasad, “A Novel Method of Color Image Segmentation using Wavelet and Modified watershed Algorithm”, International Journal of Innovations in Engineering and Technology, Vol.6, No.4, pp. 195-202, April 2016, ISSN: 2319-1058

- [20] R.B.Jaswanth, VVKDV Prasad, M.Kamaraju “A survey of Operational Transconductance Amplifier and Its techniques in CMOS Technology ”, *International Journal of Advance Engineering and Research development*, Vol.4, No.12, pp. 145-151, December 2017, ISSN: 2348-4470, UGC Journal
- [21] K.Surendhra, Ch.Rambabu, V.V.K.D.V.Prasad, “An Efficient Energy Utilization Using Routing Protocols In Heterogeneous Wireless Sensor Networks”, *International Advanced Research Journal in Science, Engineering and Technology (IARJSE)* ISSN: 2393-8021, Vol. 3, Issue 8, Aug. 2016, pp. 206-210.
- [22] K. Mounika, Ch. Rambabu, V.V.K.D.V. Prasad, “Improving the Network Life Time of Wireless Sensor Network using MAODV Protocol with LEACH Algorithm,” *International Journal of Computer Sciences and Engineering*, Vol.6, Issue.6, pp.534-538, 2018. E-ISSN: 2347-2693, IF-3.022
- [23] Ch Rambabu, V.V.K.D.V.Prasad, K.Satya Prasad, " Multipath Cluster-based Hybrid MAC Protocol for Wireless Sensor Networks ", *International Journal of Wireless and Microwave Technologies(IJWMT)*, Vol.10, No.1, pp. 1-16, 2020.DOI: 10.5815/ijwmt.2020.01.01. IF-0.976

**International Conferences:**

- [1] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “Wavelet Shrinkage Denoising of Biological Signals using a New Thresholding Filter,” *Proc. International Conference on Intelligent Systems and Control*, Coimbatore, February 1-2, 2008.
- [2] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “Estimation of biological signals using a new thresholding method”, *Proc. International Conference on Digital Factory*, Coimbatore, Aug. 11-13, 2008, pp.1135-1139.
- [3] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “A new wavelet shrinkage method for estimation of biological signals”, *Proc. International conference on Computer Networks and Security*, Pune, September 27-28, 2008.
- [4] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “Wavelet packet denoising using a new thresholding filter”, *Proc. International conference on Advanced Communication and Informatics*, Vellore, Jan. 11-13, 2009, pp. 71-76.
- [5] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, “Wavelet based denoising of ECG using a new thresholding filter”, *Proc. International conference on RF and Signal Processing Systems*, Vijayawada, Vol.1, pp. 240-244, Jan 7-9, 2010. ISBN:978-81-90824-0-2.



- [6] V.V.K.D.V.Prasad, M. Suresh and A.Muralikrishna, “Wavelet based denoising of biological Signals using a new thresholding filter”, International Conference, ICAET, Chennai, Vol.2, pp. 89-93, April, 5-6, 2013, ISBN:978-81-908980-6-5.
- [7] V.V.K.D.V.Prasad, M.V.S.L.Ramyasree, M. Sunitha, K.SreeRamnaidu, “Embedded DSP technology for Smart IP camera in Advanced Surveillance Systems”, International Conference, ICCSP, Ongole, pp.137-143, April, 1-3, 2013
- [8] K. Sravanthi, V.V.K.D.V.Prasad and B.V.V.Rao, “Development of an algorithm for 8 bit WTM” International Conference, NSSP-2013, Acharya Nagarjuna University, Guntur, Vol. 1, No.1, pp. 230-234, Dec 13-14, 2013
- [9] Koteswara Rao, V.V.K.D.V.Prasad, P.V Subba Rao “Denoising of Images using Wavelet Transform, International Conference on Advances in Signal Processing and Communications, pp.154-157, July13-14, 2015
- [10] K. Sailaja, M.V.Srikanth, V.V.K.D.V.Prasad, “A Novel Approach to Image Denoising using Shearlet Transformation, International Conference, (ICRISETM), Hyderabad, July 16, 2016
- [11] B Swathi, V.V.K.D.V.Prasad, M.V.Srikanth, “A Novel Approach to Multi Modal Hybrid Image Fusion using wavelet and Contourlet Transform for Medical Diagnosis, International Conference, (ICRISETM), Hyderabad, July 16, 2016
- [12] JA Nayak, Ch Rambabu, VVKDV Prasad, “Improving the Network Life Time of Wireless Sensor Network using EEEMR Protocol with clustering Algorithm”, International Conference on Advancement in Engineering, Applied Science and Management, Mumbai, June 18, 2017
- [13] D. Meenakshi Devi, V.V.K.D.V.Prasad, M.V. Srikanth “Approximation layer based Weighted Average Image Fusion using Guided filter and Image statistics for Medical Images” International Conference on Innovations in Engineering and Management, February 22-23, 2019,A.P

**National Conferences:**

- [1] V.V.K.D.V.Prasad, “Compression of One Dimensional Signal at Quality-On-Demand using Wavelets,” Proc. National Conference on Embedded Communication Systems and Networks, Punjab, pp. 58-61, 2003.
- [2] V.V.K.D.V.Prasad, K. Kishore Kumar, V. Mallikarjuna Rao and S. Prabhakaran, “Biomedical Signal Compression Under Various Transform Methods (Including wavelets) and Comparison,” Proc. National Conference on Control, Communication

and Information Systems, Goa Govt. Engg. College, Goa, vol. II, pp. 68-72, January 23-24, 2004.

- [3] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, "Optimal Estimation of Audio Signal using Wavelet Based Methods And Comparison," Proc. National Conference, CISCON 2005, MIT, Manipal, Nov.11-12, 2005.
- [4] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao and J. Ravindranadh, "Denoising of ECG signal using wavelet based methods," Proc. National Conference on Advanced Communication Technologies, AU College of Engg., Visakhapatnam, pp. 156-158, December 8-9, 2006.
- [5] V.V.K.D.V.Prasad, P. Siddaiah and B. Prabhakara Rao, "Performance Evaluation of Different Denoising Methods using Wavelets and their Comparison," Proc. IETE Zonal Seminar on Emerging and Converging Communication Technologies, IETE, Visakhapatnam, pp. 135-137, February 10-11, 2007.
- [6] P.P.S.Subhashini, V.V.K.D.V.Prasad, G.Venkatareddy et al. "Training Radial Basis Neural Networks with The kalman Filter" Proc. National Conference on Signal Processing and Communication Systems, pp.729-740,NCSPCS 2010, Feb. 25-26, 2010.
- [7] Arun Kumar Dhupam, V.V.K.D.V.Prasad, "Recognition of GPS Data Formats & Serial Communication by RF Module" Proc. National Conference on Signal Processing and Communication Systems, NCSPCS 2010, Feb. 25-26, 2010
- [8] V.V.K.D.V.Prasad, A. Murali Krishna, B.Lokeshwar, "Wavelet Based Image Enhancement Technique for Medical Applications" Proc. National Conference NCIET 2013, pp.280-284, Dec 27-28, 2013 ISBN No. 978-1-4276-5484-7.

#### **Books Published/Copyrights Obtained**

- Wavelet Based Image Enhancement Technique for Medical Application: NCIET 2013 ISBN: 978-1-4276-5484-7, pp: 280-284 , Dec 2013
- Analog Communication Engineering Lab Module, Electronics & Communication Engineering Lab Series, ISBN: 978-1-4276-5536-3, pp: 278-402, 2014-15.
- Signals and Systems Module, Electronics & Communication Engineering Instruction Manual Series, ISBN:978-1-4276-5539-4, Vol.1, pp: 115-178, 2014-15.
- Analog Communication Engineering Lab Module, Electronics & Communication Engineering Lab Series, ISBN:978-1-4276-5563-9, pp: 190-314, 2015-16.
- Analog Communication Engineering Lab Module, Electronics & Communication Engineering Lab Series-2, ISBN:978-1-4276-5564-6, pp: 166-234, 2015-16.

### **Subjects/Topics/Modules for which E -Learning material developed**

- Signals and Systems
- Digital Signal Processing
- EMF theory
- Transmission lines and Waveguides

### **Guest Lectures Delivered**

- [1] Invited Lecture on “Gallium Arsenide – Technology In IC Fabrication,” National Level Workshop on VLSI DESIGN, R.V.R & J.C. College of Engineering, Guntur, March 10-12 2004.
- [2] Invited Lecture on “Challenges in VLSI Design” at International Conference on VLSI Design at Sasi Softech, Bangalore, May 11, 2012.
- [3] Invited Lecture on “Applications of Wavelets” at National Conference on Signal Processing & Communication Systems, R.V.R&J.C. College of Engineering, Guntur, February 20-21, 2008
- [4] Invited Lecture on “Operating Systems” at International Symposium on Networking of Computers, VENSIS Information Systems, Hyderabad March 14, 1998
- [5] Invited Lecture on “Signals & Systems” at National Seminar on Signals and Systems, R.V.R.& J.C.College of Engineering, Guntur, December 28,2002.
- [6] Invited Lecture on “Quality Management” at National Seminar on Service Quality Management, R.V.R&J.C. College of Engineering, December 9, 1997 .
- [7] Invited Lecture on “Communication Methodologies” at National Symposium on Effective Instructional Design and Delivery, Vasavi College of Engineering, Hyderabad, August 05, 2002
- [8] Invited Lecture on “Productivity Challenges of 21<sup>st</sup> Century” at National Seminar on Productivity Challenges of 21<sup>st</sup> Century, R.V.R&J.C. College of Engineering, August 27, 1998.
- [9] Invited Lecture on “AS 400” at International Symposium on Applications of AS 400, VENSIS Information Systems, Hyderabad December 20, 1998
- [10] Invited Lecture on “Applications of Radar” at National Workshop on Side Looking Radar & Applications, Vasavi College of Engineering, Hyderabad, January 27, 2003

- [11] Invited Lecture on “Communication Skills in Teaching” at National workshop on Induction Training for Teachers, R.V.R.& J.C.College of Engineering, Guntur, April, 27, 1998.
- [12] Invited Lecture on “Teaching in Engineering Education” at National Symposium on Performance Excellence, Vasavi College of Engineering, Hyderabad, June 01, 2002
- [13] Invited Lecture on “Wavelets in Denoising” at National Conference on Signal Processing & Communication Systems, R.V.R.&J.C. College of Engineering, Guntur, February 25-26, 2010
- [14] Invited Lecture on “Wavelets And Applications ” One day seminar at GVR&S College of Engineering & Technology, Guntur, September 19, 2011
- [15] Invited Lecture on “VLSI Design” at International Conference on Embedded Systems at Sasi Softech, Bangalore, December 20, 2011.
- [16] Invited Lecture on “Recent Trends in Electronics & Communication Engineering in the present Society” at National Symposium on Electronics& Communication Engineering, Chalapathi Institute of Technology, Mothadaka, Guntur, February 16, 2013.
- [17] Invited Lecture on “Issues in Embedded Systems ” at National Workshop on Advanced Trends in Embedded Systems, RVR& JC College of Engineering, Guntur, December14-15, 2012.
- [18] Invited Lecture on “Issues in Satellite Communication” at National Workshop on Signal and Communication, RVR& JC College of Engineering, Guntur, December10, 2012.
- [19] Invited Lecture on “Electronic Devices in Practice” at International Symposium on Applications of Electronic Devices, Vijayawada, June 05, 2009.
- [20] Invited Lecture on “Wavelets in Signal Denoising” at International Conference on Signal Processing Application Sasi Softech, Bangalore, March 3, 2013.
- [21] Invited Lecture on “Applications of Electronic Devices” at International Symposium on Role of Electronics in the Society, Hyderabad, December 4, 2007.
- [22] Invited Lecture on “Advantages of AS 400” at International Symposium on AS 400, VENSI Information Systems, Hyderabad, November 20, 1999.
- [23] Invited Lecture on “Issues in Mobile Communication” at International Symposium on Communication Technologies, Visakhapatnam, December 3, 2010.

## **Honours**

- Conference Chair at National Conference on Signal Processing and Communication Systems at RVR & JC College of Engineering, Guntur, 2008.
- Chair at National level Technical Symposium at Tirumala Engineering College, Narasaraopet, 2013.
- Conference Chair at National Conference on Innovations in Engineering & Technology, NCIET-2013, GEC, 2014
- Conference Chair at National Conference on Signal Processing and Communication Systems at RVR & JC College of Engineering, Guntur, 2010.
- Conference Chair at International Conference on Advances in Signal Processing and Communications, NECICASPC-2016, Guntur
- Conference Chair at International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems, Nov30-Dec1 2018, A.P

## **Workshops / Seminars / Conferences Organized**

- [1] Coordinator for three day National Work shop on VLSI Design ,R.V.R. & J.C.College of Engineering, Guntur, A.P., March 10-12,2004,sponsored by IIP Cell, funded by AICTE
- [2] Coordinator for student paper meet, “ECE MEET 2006,” R.V.R. & J.C.College of Engineering, Guntur, A.P., February 20-21, 2006.
- [3] Coordinator for National Seminar on “Challenges in VLSI Design,” R.V.R. & J.C.College of Engineering, Guntur, A.P., March 23-24, 2007.
- [4] Coordinator for National Conference on “Signal Processing and Communication Systems,” R.V.R. & J.C.College of Engineering, Guntur, A.P., February 20-21, 2008.
- [5] Coordinator for National Conference on “Signal Processing and Communication Systems,” R.V.R. & J.C.College of Engineering, Guntur, A.P., February 25-26, 2010.
- [6] Convener for OCEANUS -2011, a National level student Meet at RVR& JC College of Engineering, Guntur, A.P., November 29-30, 2011
- [7] Convener for National level Work Shop on Advanced Trends in Embedded Systems Design (Practical Approach) at RVR& JC College of Engineering, Guntur, A.P., December 14-15 2012
- [8] Coordinator for Two days hands on workshop on PCB Designing,R.V.R. & J.C.College of Engineering, Guntur, A.P., January 10-11,2013
- [9] Convener for Two days hands on workshop on Signal and Image Processing using LabVIEW, R.V.R. & J.C.College of Engineering, Guntur, A.P., February 12-13, 2013

- [10] Member of Organizing Committee for National Conference on “Innovations In Engineering & Technology”, NCIET -2013, GEC, Gudlavalleru, A.P., Dec 27-28, 2013
- [11] Member of Organizing Committee for Two Day Work Shop on Embedded System Development, GEC, Gudlavalleru, A.P., Dec 30-31, 2013
- [12] Convener for one day Seminar on “Leveraging ICT’S for building Smart Cities”, IETE Vijayawada Centre, A.P., November 2, 2014
- [13] Convener for “GECFEST” GEC, Gudlavalleru, A.P. February, 2015
- [14] Member of Organizing Committee for “IETE Students Day” Student Technical Paper Contest, IETE Vijayawada Centre, A.P., February 1, 2015.
- [15] Convener for one day Seminar on “Role of IETE in Digital India” , IETE Vijayawada Centre, A.P., November 2, 2015
- [16] Member of Organizing Committee for “IETE Students Day” Student Technical Paper Contest, IETE VijayawadaCentre, A.P., February 1, 2016.
- [17] Coordinator for one week FDP on “Hands on Experience in Signal processing Applications” GEC, November 7-12,2016
- [18] Coordinator for one week FDP on “Development of Wireless Sensor Networks using Network simulatorNS-2 Hands on Experience” GEC, December 1-5, 2015
- [19] Coordinator for ISTE workshop on “Signals and Systems” GEC, January 2-12, 2014
- [20] Organizing Secretary for National Conference on Innovations in Engineering and Technology, GEC, December 27-28,2013
- [21] Coordinator for one week Short Term course“ Microprocessors and Microcontrollers” GEC, November 17-21, 2015
- [22] Convener for National Level FDP on “Signal and Image Processing using LABVIEW” November 13-18, 2017
- [23] Organizing Chair “International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems”, Nov30-Dec1 2018, A.P
- [24] Coordinator for “Machine Learning Applications in Signal Processing” E& ICT Academy-NIT Warangal funded FDP and sponsored by Ministry of Electronics and Information Technology, GEC, Feb 4-9, 2019
- [25] Convener for Three day Work Shop on Embedded System Design using Advanced TI Tools ,GEC, October 14-16, 2019

- [26] Convener for Webinar on “Radio Frequency Measurements for Cellular and Wireless Communication Systems, GEC, May 25, 2020
- [27] Convener for One week International online Knowledge Development Programme on “Challenges and Advancements in the Design of IoT, Embedded and VLSI Systems- A Researcher’s View” ,GEC, June 8- 13, 2020

**Workshops / Seminars / Conferences Participated**

- [1] Seminar on “Service Quality Management” R.V.R. & J.C.College of Engineering, Guntur, A.P., September 12, 1997.
- [2] ISTE training programme on “Induction Training for Teachers” R.V.R. & J.C.College of Engineering, Guntur, A.P., April 27-28, 1998.
- [3] Seminar on “Productivity Challenges of 21<sup>st</sup> Century” R.V.R. & J.C.College of Engineering, Guntur, A.P., August 27-28, 1998.
- [4] AICTE sponsored workshop on “Advanced Microcomputer System” R.V.R. & J.C.College of Engineering, Guntur, A.P., 1998.
- [5] Short-term course on “VHDL,” Osmania University College of Engg., Hyderabad, A.P., June 5-30, 2000.
- [6] Work shop on “Performance Excellence,” Vasavi College of Engg., Hyderabad, June 1-2, 2002.
- [7] Workshop on “Effective Instructional Design and Delivery,” Vasavi College of Engg., Hyderabad, August 5-10, 2002.
- [8] Workshop on “Side – looking Radar & Applications,”Vasavi College of Engineering, Hyderabad, January 27-31, 2003.
- [9] National Conference on “Embedded Communication Systems and Networks,” Punjab, November, 2003.
- [10] Short term course on “Advanced Signal Processing,” Research and Training Unit for Navigational Electronics, Osmania University, Hyderabad, December17-19, 2003.
- [11] Workshop on “Remote Sensing & Geographic Information System Applications,” VR Siddhartha Engineering College, Vijayawada, A. P., March 15,2004.
- [12] Workshop on “Filter Banks, Wavelets and Multirate DSP” Bapatla Engg. College, Bapatla, A.P., August 19-20, 2006.

- [13] Seminar on “Signal Processing and its applications,” IETE, Vijayawada, March 25, 2007.
- [14] National Symposium on “Instrumentation,” Instrument Society of India, Tamilnadu, October 24-26, 2007.
- [15] International Conference on “RF and Signal Processing Systems,” KL College of Engg., Vijayawada, A.P., February 1-2, 2008.
- [16] IEEE International conference on “Industrial and Information Systems”, IIT Kharagpur, December 8-10, 2008
- [17] International Conference on “RF and Signal Processing Systems,” KL College of Engg., Vijayawada, A.P., January 7-9, 2010.
- [18] One day national workshop on “ Cognitive Radio” IIT, Hyderabad, February 25, 2012
- [19] National level Work Shop on Advanced Trends in Embedded Systems Design (Practical Approach) at RVR& JC College of Engineering, Guntur, A.P., December 14-15 2012
- [20] National Seminar on Remote Sensing, Image Processing & Applications, VR Sidhartha Engineering College, Vijayawada, February 25-26, 2013
- [21] International Conference on “Advances in Engineering and Technology,” MGR Educational and Research Institute, Chennai, April 5-6, 2013
- [22] NBA Training Programme for Resource Persons and Evaluators on Outcome Based Accreditation Phase- I, VR Sidhartha Engineering College, Vijayawada, September 13, 2013
- [23] NBA Training Programme for Resource Persons and Evaluators on Outcome Based Accreditation Phase- II, VR Sidhartha Engineering College, Vijayawada, September 26-28, 2013
- [24] Two day workshop on “Issues In Integrated Circuits Design” GEC, A.P, Dec 13-14, 2013
- [25] Two weeks ISTE workshop on “Signals & Systems” NMEICT (MHRD), IIT Kharagpur, January 02-12, 2014
- [26] Three day work shop on “Theory & Applications of Intelligent Signal processing” GEC, A.P. February 28-March 02, 2014
- [27] One day work shop on “Speech Processing: Current Challenges and Hands on Experience” GEC, A.P. August 23, 2014.
- [28] One day Seminar on “Research in Signal and Image Processing on FPGA’s and Embedded Platforms” Institution of Engineers (IE), Vijayawada, A.P. November 22, 2014.



- [29] One day work shop on “Ultra Low Power Communications using CC430 Microcontroller: Hands on Experience” GEC, A.P. February 7, 2015.
- [30] One day Workshop on “Research in Energy Management wireless Networks & Smart Transportation Systems” Institution of Engineers (IE), Vijayawada, A.P. March 29, 2015.
- [31] Two Day Faculty Development Programme (FDP) on Advanced Digital Signal Processing & Applications (ADSP-A), VRSEC, September 12-13, 2015.
- [32] Two day staff training Programme on “Simulation of Linear and Digital Integrated Circuits, Microcontroller Based Applications using NI Multisim” GEC, November 4-5, 2016.
- [33] Two day staff training Programme on “MATLAB tool for Engineers-Hands on Experience” GEC, January 10-11, 2017
- [34] Two day training Programme on “Design and Development of Digital Circuits using VLSI Tools” GEC, December 6-7, 2018
- [35] Three day training Programme on “Advanced Development Tools Based IoT” GEC, November 11-13, 2019
- [36] One week FDP on “Data Acquisition and RT using LabVIEW” GEC, November 25-30, 2019
- [37] One week FDP on “Communications and Signal processing” GEC, October 29-November 3, 2018
- [38] One week National level FDP on “Signal and Image Processing using Lab VIEW” GEC, November 13-18, 2017
- [39] Two Day Training Program on “Design and Development of Digital Circuits using VLSI Tools” GEC, December 6-7, 2018
- [40] Two Day Faculty Training Program on “Advances in VLSI Design and Embedded Systems” GEC, November 6-7, 2017
- [41] Two Day Training Program on “Mentor Graphics Tools ” GEC, August 31-September 1, 2017
- [42] Two Day Training Program on “Design and Development of VLSI Circuits using Mentor Graphics Tools ” GEC, December 14-15, 2020

## Subjects Taught

Handled all the subjects of the following streams

- Analog Electronics
- Digital Electronics
- Communication
- Signal Processing

## Laboratories Developed

- IoT Lab-- **Industry Supported lab**- in association with Texas Instruments Bangalore and Efftronics Systems Pvt.Ltd Vijayawada.
- LabVIEW- **Industry Supported lab**- in association with National instruments, Bangalore
- Applied Robot Control(ARC) Lab- **Industry Supported and Interdisciplinary lab**- in association with Automotive Product Solutions Ltd Aachen, Germany
- Basic Electronics Laboratory
- Digital Electronics Laboratory
- Communication Engineering Laboratory
- Microwave and Advanced Communication Engineering Laboratory
- Microprocessors & Microcontrollers Laboratory
- Digital Systems Laboratory
- VLSI Laboratory
- Computer Simulation Laboratory

## Other Information (Other Extension/Outreach Activities)

Other Activities being carried out through the Department

- Organizing Community Development Programmes/Awareness Programmes for giving exposure in Engineering Education to the secondary school Children in the villages nearby.
- Organizing 'OPEN HOUSE Exhibition' -- displaying the equipment in the laboratories of the dept. and working models to school children to create awareness about Engineering education among the school children.
- Participating actively in the programmes that create awareness among the public to save environment and extend social service.

**Dr.VVKDV PRASAD**

