

# RESUME

**Dr. Y. Venkata Narayana**

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## Professional Profile

- ❖ Accomplished career demonstrating consistent success as an Administrator and Educator at the higher education levels. Outset track record in assuring student success.
- ❖ Seasoned in conceiving and building programs from the ground up through proven competencies in administration, project and program management, and staff development and empowerment.
- ❖ Effective communicator with good planning, organizational, and negotiation strengths as well as ability to lead, reach consensus, establish goals, and attain results.
- ❖ Working as a founder principal and professor and in a span of first 9 years college got both NAAC and NBA.
- ❖ Giving GATE coaching across India for the last 15 years
- ❖ Integrated experience of 28 years in Teaching and Industry. Involved from **errection** to commissioning stage of a **63.5 MW power plant, Rain Calcining Ltd** at Vizag of 1200 Crores worth.
- ❖ Established a fully fledged polytechnic at veerasaram, west Godavari district during 1991-1993.
- ❖ Worked as a founder HOD, Principal for the Department of ECE, ANITS, Vizag and the department got NBA for 5 Years in the first attempt.
- ❖ **Acting** as a chief superintendent / convener for all public sector examinations.
- ❖ Steering the college with full **admissions** and results without any unethical practices.
- ❖ Introduced innovative best practices in Engineering education.
- ❖ Certified trainer from **TATA Honeywell, Automation System** in **DCS**(Distributed Control System), Pune.
- ❖ Certified trainer from **ABB Sweden**, in **TCS**(Turbine Control System).
- ❖ Completed certified training program on PLCs (Ladder Program),SIEMENS, Germany

## Educational Qualifications

Course	Board/University	Subjects	Percentage of Marks	Division
S.S.C	Board of Secondary Education	English, Hindi, Telugu Social, Science, Mathematics	90%	I <sup>st</sup> class (State 9 <sup>th</sup> Rank A.P)
Intermediate	Board of Intermediate Education	Mathematics Physics Chemistry	78%	I <sup>st</sup> Class
B.Tech.	JNTU College of Engineering, Ananthapur campus	Electronics and Communication Engineering	76.5%	I <sup>st</sup> Class with Distinction
M.E.	College of Engineering Andhra University campus	Electronics & Instrumentation	80%	I <sup>st</sup> Class with Distinction
Ph.D	Andhra University	Awarded for the thesis entitled “ <b>Investigations on Beam conversion using arrays by phase only control</b> ” (Practical work at IIT-kharagpur)		

## Field of Specialization in Ph.D

### “Investigations on Beam conversion using arrays by phase only control”

- Achievements** : Secured **state 9<sup>th</sup> rank** (90%) in S.S.C in 1984,  
**Received gold medal from A.P Chief Minister Dr. N.T Ramarao.**  
 Secured **2<sup>nd</sup> Rank** in M.E. in Andhra University.  
 Published and presented **41 papers** in International and National conferences and journals.
- Memberships** : FIETE, ISTE, CSI, IEEE & SMEC
- Areas of Expertise** : Applied Electromagnetics, Electronic Devices & Circuits, Analog Circuits, Network Analysis,

Teaching Learning process, Student Guidance and Counseling.

**Total Experience** : **28 Years**

Teaching - 24 Years

Industry - 4 Years in power plant as a Sr.Engineer Instrumentation.

Research - 10 Years

(15 Years in GATE coaching across India)

## Positions Held

- Presently working as a Principal & Professor in Tirumala Engineering College, Jonnalagadda, Narasaraopet **Since inception 2008** (Founder Principal)
- Member of Board of Studies for Electronics and Communication Engineering for R.V.R & J.C College of Engineering Guntur.
- Appointed as a Chief Superintendent for various Public Sector Examinations being conducted by APPSC (Andhra Pradesh Public Service Commission).
- Appointed as a Center Head for various IBPS Examinations conducted by TCS-ION
- Worked as a Professor and Head of the Dept. of ECE, ANITS College of Engineering for 5 years.
- Worked as an Associate Professor in RVR & JC College of Engineering, Guntur.
- Worked as a Lecturer in C.R. Reddy College, Eluru.
- Acted as a Regional Coordinator for AP-EAMCET Entrance Examinations conducted by Andhra Pradesh State Government.
- Acting as a Panel Member in Interview Boards to select Faculty Members in various Engineering Colleges.
- Presently Advisory Member in ESDA(Entrepreneurship and Skill Development Association)
- Presently Associate Member in Telecom Sector Skill Council.
- Appointed as a subject Expert for E-Learning initiated by CoEeRD, JNT-University, Kakinada
- Actively involved in the establishment of various laboratories in all branches of engineering.
- Established a Departmental Computer Centre required for Project and research works.

- Convener for various committees like Anti Raging Committees, disciplinary committee and grievances ..etc.

## Academic Achievements

- [1] Convener for National level Technical symposium initiated at ANITS, VIZAG (INTERACT).
- [2] Chairman for continuous National Student Paper Contest PRAYAGA in Tirumala Engineering College, Narasaraopet.
- [3] Published several papers in National / International conferences / Journals.
- [4] Presented the research papers in an International Conference conducted by PIERS (Progress in Electromagnetic Research) in Cze Republic.
- [5] Acted as a Subject Expert in Delivering Online Lecture from JNTU Kakinada to All Engineering Colleges initiated by GLOBERENA.
- [6] Received Best Teacher Award for 2 times in ANITS, Visakhapatnam.
- [7] Delivering Expert Lectures on Electro Magnetic Fields, EDC and Network Analysis at various renowned GATE Coaching Centres TEA, ACE across India.
- [8] Ratified as a Professor and Principal by JNTUK-Kakinada.
- [9] Acted as an NBA Coordinator at RVR&JC, ANITS and Tirumala Engineering College.
- [10] Acted as a Resource Person for Workshops in various Engineering Colleges.
- [11] Guided 50 UG projects , 10 M.Tech Projects and Guiding 3 Research Scholars .
- [12] Erected and Commissioned 150KW Solar System for Tirumala Engineering College.
- [13] Participated in Errection and Commissioning of 63.5 MW ABB Turbine in Rain Calcining LTD, Visakhapatnam.

## Extra Curricular Activities

[1] Established skill development center under the guidance of APSSDC (Andhra Pradesh State Skill Development Corporation) and conducted various programs to enhance Employment Opportunities and Employability skills.

- Summer training programs
- Online orientation on IUCEE
- Skill Improvement Programs
- Workshops for CSE on Google Android Developer Fundamentals
- Conducted workshops for EEE “Hands on workshop on Embedded Systems “Fundamentals for Basic Micro-Controllers 8051 & Arduino.
- Faculty Improvement Programs
- Conducted mock Interviews and assessment tests by Govt of A.P for all branches

[2] As a convener conducted various NSS Activities in adopted villages .

[3] Acted as a Chairman for University Volley Ball team selections in Tirumala Engineering College.

[4] Acted as a chairman for D-Zone 2014 Games conducted by JNT-University, Kakinada.

[5] Acted as a chairman for Women-Zone 2017 Games conducted by JNT-University, Kakinada.

## Research Publications

- [1] **Y.V Narayana**, A.Sudhakar and GSN Raju, “*Generation of Sector Beams from array of wire Antennas*” in an International Journal AMSE, France, Volume No.53, Issue No.2, Pg-74-84, 2009.
- [2] Baburao Kodavati, V.K.Raju, S.Srinivasa Rao, .V.Prabu, T.Appa Rao and **Y.V.Narayana**, “*GSM and GPS based vehicle location tracking system*” in an International Journal IJERA, ISSN:2248-9622, Vol.1, Issue 3, pp.616-625.
- [3] Jagadeesh Thati, **Y.V.Narayana** and Talluri.bharathi “*Forwarding Measured Data using Zigbee*” in International Journal e-journal of Science & Technology, Greek.
- [4] Radhika Chinaboina, Jagadeesh Thati and **Y.V.Narayana**, “*Execution of Crane Forwarder-Control Algorithm for Automatic Expansion of Prismatic Link for DSP Processors*” in International Journal Sensors & Transduces, ISSN 1726-5479.
- [5] **Y.V.Narayana** and Jagadeesh Thati, “*Invention of segment beams from arrays of wire antennas*” in International Journal Elixir, ISSN:2229-712x.
- [6] Syam Babu Vadlamudi, **Y.V.Narayana**, N.V.N.K.Suresh Kumar and Jagadeesh Thati, “*Habitual segmentation of Digital Images applied in Cardiac Remedial images*” in International Journal of Advanced and Innovative Research, ISSN: 2278-7844, Vol.1, issue3.
- [7] G.C. Madhu, **Y.V Narayana**, J. Jhansi, S. Anwar Basha and S. Asif Hussain, “*Design of a Flood Warning System based on F-Bus Protocol*” in International Journal of Networking and Communication Engineering, Vol.4, No 15, December 2012.
- [8] Seetaiah Kilaru, **Y. V. Narayana** and R. Gandhiraja, “*Energy Efficiency in Cognitive Radio Network: Green Technology towards Next Generation Networks*” in Springer ICMEET 2015 at GITAM University on 18<sup>th</sup>-19<sup>th</sup> December 2015.
- [9] N.ChandraSekhar, **Y.V. Narayana** and M.Asharani, “*Design and Analysis of Architecture based integrating Sensor Networks with Cloud Computing*”. *IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)*.
- [10] N.ChandraSekhar, **Y.V. Narayana** and M.Asharani, “*Integration of Cloud Computing in Wireless Sensor Networks and to assess its impact on energy consumption*”, *IJRECE, Volume5 Issue 4*.

- [11] N.ChandraSekhar, **Y.V. Narayana** and M.Asharani, “*A report on Integration of Wireless Sensor Network with Cloud Computing*”, *International Journal of Innovative Research in Computer and Communication Engineering*, DOI:10.15680/IJIRSET.2015.0501001.
- [12] Beram eswar charan Teja, M. Damodhar Rao and **Y.V.Narayana**, “*Design & Implementation of Improved SRAM Cell*”, *IJESC*, Volume 7, issue No 6, 2017
- [13] RL Naik, DPC Reddy, US Kumar, **Dr.Y.V.Narayana** “*Quantum Cryptography with key Distribution in wireless Networks on Privacy Amplification*” 2011
- [14] V.Satyanarayana, PR Kumar, S.Aruna, **Dr.Y.V.Narayana** “*Automatic Cardiac Abnormality Detection Using Electrocardiogram Signal*” *Journal of Critical Reviews* 7 (18), 759-764 2020
- [15] **Dr.Y.V.Narayana**, Y.Anusha, LR Padala “*Two Dimensional Weighted PCA Algorithm for Face Recognition*” *IJAST29 (6s)*, 3627-3632 2020
- [16] GR Locharla, JP Allam, **Dr.Y.V.Narayana**, Y.Anusha, “*Review of the Convolutional Neural Network Architectures for Deep Learning*” *IJAST 29(A)*, 2251-2262 2020
- [17] G.Naveen Kumar, **Dr.Y.V.Narayana**, Dr.Mallikarjuna Prasad “*Intelligent Beam Pattern designing scheme with structured shaping Methodology via period Indexing*” *Journal Communication Engineering and its Innovat* 4 (3), 30-37.
- [18] Katuru Anjaneyulu & Banda Srinivas Raja & **Dr.Y.V.Narayana** & Kadire Sumalatha “*Corner Defected Multi-Resonance Ultra-Wideband Rectangular Patch Antenna*” *Indian Journal of Science and Technology*, Jan 2022 DOI: 10.17485/IJST/v15i4.1800 ISBN: 0974-5645.
- [19]

## International Conferences

- [1] **Y.V.Narayana** and G. Narmada Devi “*Array Design for Electromagnetic Compatibility*” Proceedings of International Conference on “*Electromagnetic Interference and Compatibility*” [INCEMIC – 2003), Madras during 16-17, December 2003 and also presented.
- [2] **Y.V. Narayana** and GNS Raju, “*Investigations on the Attenuation Characteristics of Optical Fiber and Micro strip Lines*” Proceedings of an International Conference on Microwaves, Antennas, Propagation and Remote sensing [ICMARS – 2004) pp. 83-86 at Jodhpur during 23-25<sup>th</sup> November 2004 and also presented
- [3] **Y.V. Narayana** and GNS Raju, “*The Behavior of Amplitude distribution along the slotted array*” Proceedings of an International Conference on “*Bio-Medical Electronics and Telecommunications [BET – 04]*” pp.140 at Visakhapatnam during 9-10, December 2004 and also presented.
- [4] **Y.V. Narayana** and GNS Raju, “*New Considerations for Electromagnetic Radiations of Waveguide Slots*” has been selected at the International AMSE Conference (MS’05) in France and also presented on July 6-8, 2005.
- [5] **Y.V. Narayana** and GNS Raju, “*Relative absorption of Electromagnetic Energy in Adjacent Tissues*” in an International Conference [PIERS-2006] at MIT (Massachusetts’s institute of Technology), Boston USA during March 26-29, 2006.
- [6] **Y.V. Narayana** and GNS Raju, “*Admittance Characteristics of Open Slot Radiators*” in an International Conference [PIERS-2006] at MIT (Massachusetts’s institute of Technology), Boston USA during March 26-29, 2006.
- [7] **Y.V. Narayana** and GNS Raju, “*Sector beam from slot array*” in an international conference held at Bangalore (INCEMIC 2006) proceedings of pp.507 during 23-24, February 2006.
- [8] **Y.V. Narayana** and GNS Raju, “*Sector beams from arrays of helical antennas*” Proceedings of an International Conference on Microwaves, Antennas, Propagation

and Remote sensing (**ICMARS – 2006**) pp.65 at **Jodhpur** during 20-22 December 2006 and also presented.

- [9] **Y.V. Narayana** and GNS Raju, “*Synthesis of ripple free sector beams from array antennas*” in an International Conference [**URSI-2007**] at **Ottawa Canada**, during July 22-26, 2007.
- [10] **Y.V. Narayana** and GNS Raju, “*Comparative studies on Amplitude and Phase Control Radiation Patterns*” in an International Conference [**PIERS-2007**] at **Prague, Czech** during August 27-30, 2007.
- [11] **Y.V. Narayana** and GSN Raju, “*Sector beam from array of radiators*” in an international conference held at **Bangalore (INCEMIC 2008)** during 27-28, November 2008.
- [12] **Y.V. Narayana** and GSN Raju, “*Beam Shaping using slot arrays*” in an international conference held at **Bangalore (INCEMIC 2008)** 2008.
- [13] **Y.V. Narayana**, A. Sudhakar and GNS Raju, “*Generation of Sector Beams from the Array of Helical Antennas*” for an International Conference [**PIERS-2012**] at **Kuala Lumpur, Malaysia** to be held during March 27-30, 2012.
- [14] Jagadeesh Thati, **Y.V. Narayana**, S.Bhanu Sravanthi, “*Optimized compression techniques for telemedicine therapeutic images*”, IEEE Explorer Digital Library, 26 January 2017, DOI: [10.1109/ICACCCT.2016.7831760](https://doi.org/10.1109/ICACCCT.2016.7831760).
- [15] Jagadeesh Thati, **Y.V.Narayana**, P Venu Kumari, “*Controlling of Home Appliances through Internet*”, *International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS 2017)*.
- [16] A Katuru, **Y.V.Narayana**, D.Mahesh, RL Tirupatamma, “*Design and Analysis of slotted Ground Rectangular Patch Antenna with a stub for Ultra-wideband Applications*”, 2019 10<sup>th</sup> *International Conference on Computing Communication*.
- [17] PVK Jagadeesh Thati, **Y.V.Narayana**, “*Controlling of Home Appliances through internet*”, *International Conference on Energy, Communication, Data Analytics and Software 2017*.
- [18] J.Thati, SIB Sravanthi, **Y.V.Narayana**, “*Optimized Compression Techniques For Telemedicine Therapeutic Images*”, 2016 *International Conference on advanced Communication control*.
- [19] VA Kumar, **Y.V.Narayana**, “*Nonlinear Amplifier Distortions in DS-CDMA Systems*”, *International Conference*.

- [20] VA Kumar, **Y.V.Narayana**, C PapaRao “*Linear Multiuser Detection for Synchronous DS-CDMA Systems*”, *International Conference*.
- [21] J.Thati, A.Yevide, **Y.V.Narayana**, “*Fusion of Multiple Sensors by Exploiting their joint properties*”, *International Conference*.
- [22] J.Thati, A.Yevide, **Y.V.Narayana**, “*Short Range Radar Based Security System*”, *International Conference. on 27.12.2021 organized by Tirumala Engineering College, Jonnalagadda, Narasaraopet. in association with Conference World and IARDO*.

## National Conferences

- [1] Presented a paper on “*Generation of Radiation Patterns in different coordinate systems*” in state of Art technologies (**SAT – 03**) in Information Communication and Entertainment during 20-21, September 2003.
- [2] Presented a paper on “*Generation of optimized Shaped Beams*” in state of Art technologies (**SAT – 03**) in Information Communication and Entertainment during 20-21, September 2003.
- [3] Presented a paper on “*Investigations on attenuation characteristics of different transmission lines*” in a national conference on Electronics and advanced telecommunications (**SEAT-04**) in proceedings of pp.7 on March 14, 2004.
- [4] Presented a paper on “*Behavior of the Amplitude Distribution along the slotted array*” in a national conference on Electronics and advanced telecommunications (**RACE-05**) in proceedings of pp.7 on February 12-13, 2005.
- [5] Presented a paper on “*Speech coding in VLSI*” in a National conference on Electronics and advanced Telecommunications (**ACT-06**) in the proceedings of P.P.168 during 8-9, Dec 2006.
- [6] Presented a paper on “*Applications of new continuous distributions for discrete arrays*” in a National conference on Electronics and advanced Telecommunications (**ACT-06**) pp.101 in the proceedings of P.P. 101 during 8-9, Dec 2006.

- [7] Presented a paper on ***“Contact Based Image Retrieval for Sequence Leaving System”*** in IETE Zonal seminar on (SECT-07) pp.48 in the proceedings of P.P.48 on Feb 10-11, 2007.
- [8] Presented a paper on ***“Side lobe reduction for Electromagnetic Compatibility Using Arrays”*** in IETE Zonal seminar on (SECT-07) in the proceedings of P.P.181 on Feb 10-11, 2007.
- [9] Presented a paper on ***“Design of Small Discrete Arrays”*** in IETE Zonal seminar on (SECT-07) in the proceedings of P.P.214 on Feb 10-11, 2007.
- [10] Presented a paper on ***“Investigations on Attenuation Characteristics of different Transmission lines”*** in a National Conference on Electronics and advanced Telecommunications SEAT-06 Sri Raja Rajeswari Engineering College, Karepally, Khammam On 27 -28Dec-07.
- [11] Presented a paper on ***“Digital Signal Processing of Electromyographic Signal using MATLAB”*** in NCSPSC-08, conducted by Dept. of ECE, RVR&JC College of Engineering, Guntur during 20<sup>th</sup> – 21<sup>st</sup> February, 2008.
- [12] Presented a paper on ***“General Packet Radio Service for Mobile Communication”*** in NCSPSC 2008, conducted by Dept. of ECE, RVR&JC College of Engineering, Guntur during 20<sup>th</sup> – 21<sup>st</sup> February,2008.
- [13] Presented a paper on ***“Shaped Beams from Arrays of Slots”*** in NCSPSC 2008, conducted by Dept. of ECE, RVR&JC College of Engineering, Guntur during 20<sup>th</sup> – 21<sup>st</sup> February, 2008.
- [14] Presented a paper on ***“Soft Computing of Target Tracking ”*** in SCA 2007, conducted by Dept. of ECE, ANITS, Visakhapatnam during 21<sup>st</sup> -22<sup>nd</sup> December, 2007.
- [15] Presented a paper on ***“Implementation of Logic Gates using ANN”*** in NCSCA 2007, conducted by Dept. of ECE, ANITS, Visakhapatnam during 21<sup>st</sup> -22<sup>nd</sup> December, 2007.

### Workshops/Seminars attended

- [1] Participated in the UGC seminar on ***“Current Computer and Information Trends”*** during December 28-29, 2001 at RVR & JC College of Engineering, Guntur.

- [2] Attended a short term training programming on **“Wireless and Mobile Communications”** during 7-7-2003 to 12-7-2003 sponsored by AICTE in RVR & JC College of Engineering, Guntur.
- [3] **Judge in a National level technical symposium** (Colloquium 2K4) during 25-26<sup>th</sup> September 2004 organized by Raghu Engineering College, Visakhapatnam.
- [4] Attended a workshop on **“Latest Technologies in Electronics and Communications (WOLTEC-05)”** during 12-13<sup>th</sup>, March 2005 at MVGR college of Engineering.
- [5] Attended a workshop on **“RF and Microwaves for wireless applications”** conducted at Indian Institute of Technology, Kharagpur during June 29- July 10, 2005.
- [6] Participated in a one day State level workshop on **“Computational Electromagnetics”** conducted by KL College of Engineering, Vaddeswaram on 1<sup>st</sup> December, 2005.
- [7] Attended a workshop on **“Computational Electromagnetics”** conducted at Indian Institute of Technology, Kharagpur during July 2-14, 2006.
- [8] **“Participated in a faculty development programme sponsored by AICTE on Electromagnetics in Telecommunications”** conducted at Sri Raja Rajeswari Engineering College, Karepalli, Khammam during 27<sup>th</sup> – 28<sup>th</sup> December 2007.
- [9] Attended a workshop on **“Latest Technologies in Electronic Communications”** (WOLTEC-08) organized by Dept. of ECE, Sri MVGR College of Engg., Vizianagaram during 14<sup>th</sup> – 15<sup>th</sup> February 2008.
- [10] Attended a workshop on **“Elecromagnetics and Applications”** organized by Dept. of ECE and EEE, BVC Engg. College, Odalarevu during 8<sup>th</sup> – 9<sup>th</sup> March 2008.
- [11] Y.V.Narayana, Participated in a two day national workshop on **“Electromagnetics & Appliacations”**, Conducted during March 13-14,2009 by the university College of Engineering ,JNTU,Kakinada.
- [12] Attended a workshop on **“SECT”** organized by Dept. of ECE, KLR Engineering College, and Bhadrachalam during 20<sup>th</sup> –21<sup>th</sup> March 2012.
- [13] Attended a workshop on **“Redesigning of Engineering Curriculum in the context of outcome based learning”** organized by Jawaharlal Nehru Technological University, Kakinada during 24<sup>th</sup> –25<sup>th</sup> February 2013.
- [14] Attended a workshop on **“RF & Signal Processing”** organized by KL University, Vaddeswaram during 26<sup>th</sup> –27<sup>th</sup> July 2013.

- [15] Attended a two day workshop on ***“Redesigning of engineering curriculum in the context of outcome based learning”*** during 24-25<sup>th</sup> February organized by JNT-University, Kakinada.

### Short term Courses Attended

- [1] Attended a short term course on ***“RF and Microwaves for Wireless Applications”*** conducted at **Indian Institute of Technology, Kharagpur** during June 29- July 10, 2004.
- [2] Attended a short term course on ***“Electro Magnetic Modeling of Composite Metallic and Dielectric Structures”*** conducted by Indian Institute of Technology Khargpur during October 17-21, 2005.
- [3] Attended a 3 day faculty development programme conducted by ANITS during 15-17 June, 2006.
- [4] Participated in National seminar on ***“CHALLENGES IN VLSI DESIGNS”*** conducted by the Dept of ECE, RVR &JC College of Engineering, Guntur.
- [5] Attended a short term course on ***“Advanced Electromagnetics and Applications (STEAM-07)”*** Conducted by Dept of ECE, AU College of Engineering during May 18-21, 2007.
- [6] Attended a short term course on ***“Electromagnetics in Telecommunication”*** Conducted by Dept of ECE, Sri RajaRajeswari Engineering College, Karepally, Khammam during Dec 27-28, 2007 .

- [7] Attended for Effective Teaching And Learning Program Conducted by ***“Indo US Engineering Faculty Leader Ship Institute (IUCEE)”*** at Global Education Center INFOSYS Technologies, Mysore during 26-28 May 2008.

### Workshops/Conferences/Short term Courses Conducted

- [1] ***Coordinator for a one day seminar on Signals and Systems*** on December 28<sup>th</sup> 2002 at RVR & JC College of Engineering, Guntur.
- [2] ***Convener for the workshop on Advanced VLSI and Embedded systems WAVES 06*** conducted during 9-10 September, 2006.
- [3] ***Convener for the national level student conference INTERACT-2K7*** conducted during 24-25 February, 2007.
- [4] ***Convener for the workshop on Electromagnetics WE 07*** conducted during 12-13 October, 2008.
- [5] ***Convener for the national level student conference INTERACT-2K8*** conducted during 23-24 February, 2008.
- [6] ***Convener for the Faculty development program on MATLAB*** conducted during 25-26 April, 2008.
- [7] ***Conducted a Faculty Development Program on Etiquettes, manners, & value systems*** across cultures and their impact on work culture on 12<sup>th</sup> & 13<sup>th</sup> September 2009.

### Text Books Authored

- [1] Authored a Text Book on “Electromagnetic Field Theory” for School of Distance Education, Andhra University, Visakhapatnam.
- [2] ACCEPTED for submission in upcoming book on “An Automated Diagnosis System for Cardiac Arrhythmia Classification " By *Allam Jaya Prakash, Saunak Samantray, C. H. Laxmi Bala, Dr.Y.V.Narayana.*

### Research Scholars

- [1]. Acting as a Supervisor for Mr. N.Chandrasekhar, registered Ph.D in 2012 under JNTUH, Hyderabad in the area of "Wireless Communications Integrated to Cloud".
- [2]. Acting as a Supervisor for Mr. G.Naveen Kumar, registered Ph.D in 2013 under JNTUK Kakinada in the area of, "Applied Electro Magnetics"
- [3]. Acting as a Supervisor for Mr. M.Dhamodhar, registered Ph.D in 2017 under JNTUK Kakinada in the area of, "VLSI"

### Professional Memberships

- ISTE : LM7118149
- IETE : F165667
- CSI : F8000715
- IEEE : 9337096

### Guest Lectures

Delivered Guest Lectures on Various topics nearly 20 Engineering Colleges in Andhra Pradesh. Few of them are...

- Delivered a online lecture "***Overview of Electromagnetics from jntuk Kakinada as a part of the 2-HD***" conference mechanism of jntuk- CoEeRD on 8<sup>th</sup> April 2015.
- Acted as a **resource person** for one week faculty development program on HUMAN VALUES AND PROFESSIONAL ETHICS (FDPHVPE-2016) organized at SSN College from 17-23<sup>rd</sup> September 2016 for Teachers across Andhra Pradesh
- Delivered Guest Lecture on "**Applied Electromagnetics**" at Sree Vidyanikethan Engineering College, Tirupati, India.
- Delivered Guest Lecture on "**Smart Antennas**" at Vignan's LARA Institute of Technology & Science, Vadlamudi, Guntur.

### Industrial Experience: 4 Years

Worked as a Senior Engineer Instrumentation in Rain calcining Ltd in visakhapatnam  
Participated in Erection & commissioning of **53.5 MW** co-generation plant consists of following:

#### **Details of the Industry:**

- Medium pressure single extraction type 53.5 mw Turbo Generator supplied by ABB
- Circulating fluidized bed boiler of rated steam pressure 63 bar, 110 TPH flow at the main steam temperature of 485 deg, supplied by Foster Wheeler.
- Totally atomized Scrubber system and Ash handling system and Limestone handling system for CFB boiler.
- Waste Heat Recovery boiler of rated steam pressure 63 bar, flow 105 TPH and temperature of 485 deg, supplied by American shack.
- Demineralization plant of 20 cu.m/hr.
- Condensation system of cooling towers and auxiliary systems.
- Erection & commissioning of 750 TPD calcination plant consist of following:
- Stacker cum Reclaimer with complete Automation by Aiiien Bradely SLC
- Conveyors of different lengths with all Protections

#### **About the System**

##### **ABB Supervisory Control System...**

ABB – stall piece 200/1 (MP 200/1) programmable & advent station 500 system provides control and supervision to the ABB turbine generator. System programmed with the help of graphic symbol in a dialog with master aid 220(ma220) programming unit.

This system can perform logical operations, data processing, and sequencing, feed back control, arithmetic, pulse counting and positioning. Bentley Nevada 3500 vibration system for turbo generator.

##### **Tata Honeywell DCS System.....**

TDC3000 TATA Honeywell DCS system provides control to the hazardous area instruments in power plant (CFB-boiler, Waste Heat recovery boiler, FGD system).

System consists of APM (advanced process manager) with smart transmitter integrated in digital mode, LM (logic manager), universal stations, history module, NIM (network

interface module) and also provides data acquisition, control, sequencing, inter locks for emergency shutdown and safety. Allen Bradley & TATA Honeywell programmable logical controls.

- LCN / UCN implementation of TDC 3000 (DCS) Honeywell system by TATA Honeywell, Pune.
- Logic manager programming and implementation by TATA Honeywell, Pune.
- Allen Bradely PLC programming and maintenance by Rockwell Automation.
- Operation & Maintenance of Circulating Fluidized bed boiler by Foster Wheeler.
- ABB MPT turbine instrumentation & control logics of 53.5 MW by ABB, Sweden.
- Governing system by BHEL at Hyderabad.

## Awards

- Secured State 9<sup>th</sup> Rank in SSC (1984), Received a gold medal from Dr.N.T.Ramarao Chief Minister of A.P
- Received Ph.D in the area of antennas from Hon'ble Governor of A.P Sri.N.D Thiwari.
- Received award of Excellence 2013 from Andhra rekha news paper, Guntur District.
- Received Best Teacher awards for 3 times.

## Personal Details

NAME : Dr.Y.V.Narayana  
FATHER'S NAME : Ramakrishnaiah (Rtd. Teacher)  
GENDER : Male  
MARITAL STATUS : Married  
DATE OF BIRTH : 06-09-1968, 48Years  
NATIONALITY : Indian  
Aadhar : 2812 2618 1105  
Passport No : H3598739

Countries Visited : Czec Republic, Germany, Singapore, Oman and Malaysia

**DECLARATION**

I consider myself familiar with Electronics & Communication Engineering aspects. I am also confident of my ability to work in a team and I can prove myself as the best administrator. I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Narasaraopet

Date: 27-01-2022



Signature