

Curriculum Vitae of Dr. V. Adinarayana

Name : Dr. Adinarayana Vannala

Mobile No: 9441050887

Email ID : joy.adi2011@gmail.com

Father's Name : V. Narasaiah. (Farmer)

Date of Birth : 15th April 1979

Objective:

Seeking a good position to utilize my skills, knowledge and abilities in the field of rapid growth in technology that offers professional growth while being resourceful, innovative and flexible.

Educational Qualifications:

Ph.D. (in wireless communications, ECE Dept) Andhra University April 2019

Guide : Prof.P. Rajesh Kumar, Professor, ECE, AUCE, Visakhapatnam

Co-Guide: Prof K Murali Krishna, Head Mechatronics, MSME Technology center, Visakhapatnam.

M.E. (Electronics & Communication Engg.) Andhra University July 2003

B.E. (Electronics & Communication Engg.) GITAM College of Engg April 2000

Member:

- o NBA Coordinator at VIIT(A)
- o M.Tech Coordinator for M.Tech (DECS) & M.Tech. (E. C.E) VIIT (A), Visakhapatnam
- o UG Board of Studies member B.Tech.(ECE), VIIT (Autonomous), Visakhapatnam Affiliated to JNTU-K University, Kakinada
- o **ARIIA** Coordinator, GVP College for Degree and PG Courses(A)), Visakhapatnam
- o **MSME** Incubation Coordinator, GVP College for Degree and PG Courses(A)), Visakhapatnam

Affiliation To Professional Bodies:

- o Life Member Indian Society for Technical Education (ISTE) (LM50547)

Research Paper Board Member:

- o **Editorial Board member for** International Journal of Electronic and Communication Engineering (IJECE).
- o **Editorial Board member for** Journal of Soft Computing and Engineering Applications (JSCEA)
Reviewed 10 number of papers
- o **Expert Reviewer with AEIC** Academic Exchange Information center is a strategic partner of world leading publishing houses
- o **Expert Reviewer with WPC** Academic Exchange Information center Springer Nature series.

Experience: 20 Years 10 Months

1. Worked as Assistant Professor in TPIST Engineering College, Bobbili, Vizianagaram, Andhra Pradesh (AP). During Oct 2003 to Oct 2004
2. Worked as Assistant Professor in Chaitanya Engineering College, Visakhapatnam, AP During Nov 2004 to May 2005
3. Worked as Senior Assistant Professor in GMRIT Engineering College, Rajam, Srikakulam, AP, during June 2005 to July 2009
4. Worked as Associate Professor in SVP Engineering College, Visakhapatnam, AP During June 2009 to Sept 2012
5. Worked as Associate Professor & HOD in SITAM Engineering College, Visakhapatnam, AP during Sept 2012 to June 2014
6. Worked as Associate Professor, HOD (For 6 Months) in Vignan's Institute of information Technology, Duvvada, Visakhapatnam, AP from June 2014 to July 2019.
7. Worked as Professor in Avanthi Institute of Engineering & Technology, Tagarapuvalasa, Vizianagaram from July 2019 to April 2021
8. Working as Associate Professor, in Gayathri Vidya Parishad College for Degree and PG Courses(A), Rushikonda, Visakhapatnam, AP, INDIA from 27th April 2021 to till date.

Training programs/Workshops/FDPs Attended:

- Participated in a National level workshops STTP two weeks program on 'MICROCONTROLLER AND ITS APPLICATIONS' Conducted by KITS Engineering College Warangal in 2004
- Participated in a Two day Workshop on 'WOLTECH' Conducted by AU College of Engineering, Visakhapatnam in 2006
- Participated in a Two day Workshop on 'Teacher Training Programme Conducted by GMRIT Engineering College, Rajam in 2006
- Participated in a Two day Workshop on 'Recent Advances in Digital Signal Processor Conducted by GMRIT Engineering College, Rajam in 2007
- Participated in ISTE Two weeks Programme on "Research Methodologies" Conducted by IIT Kharagpur at SVP Engineering College, Visakhapatnam in 2011
- Participated in ISTE Two weeks Programme on "Analog Electronics" Conducted by IIT Kharagpur at SVP Engineering College, Visakhapatnam in 2012
- Participated in ISTE Two weeks Programme on "Signals and systems" Conducted by IIT Kharagpur at SVP Engineering College, Visakhapatnam in 2013
- Participated in FDP Two weeks Program on "Wireless communications - Hands on" 'Conducted by NIT Warangal at NIT Engineering College, Warangal in 2015
- Participated in FDP 5 days Program on "Virtual Industry and Simulation Software's (VISS-2016)" Conducted by VIIT at Visakhapatnam in May -2016

- Participated in a Two day national Workshop on ‘Graphical System design using LABVIEW (NWLABVIEW-2K17) Conducted by AU College of Engineering A, Visakhapatnam. in 30-31st March- 2017.
- Participated in FDP 5 days on “Internet of Things (IoT)” Conducted by IIIT Nagpur under ATAL, AICTE&MHRD combined online in April -2020
- Participated in FDP 5 days Program on “Artificial Intelligence (AI)” Conducted by ATAL Academy, AICTE & MHRD online program May 11th to 15th -2020
- Attended a webinar on “Trends in Software Testing” conducted by Eswari Engineering college, SRM group of Educational institutions on 10-05-2020
- Participated the online quiz on “Artificial Intelligence and its Sub areas in fighting COVID-19 Pandemic” conducted by IIC, Kamala Institute of Technology and Science, Singapore, Telangana, 11th may 2020
- Participated the online quiz on “Research Schemes and Funding awareness” conducted by New Horizon Institute of Technology and Management, Thane, 20th may 2020
- Participated in Two day online FDP on “Micro strip Antennas for Advanced wireless communications” organized by KHIT, Guntur on 15th and 16th May 2020
- Participated in NAAC awareness quiz organized by AISSMS institute of Information Technology pune university on 20-05-2020
- Participated the online quiz on “Outcome Based Education” conducted by IIC, BITS narsampet, Warangal, 21st May 2020
- Attended the online quiz on “Internet of Things” conducted by NICHE, Kumara coil, Kanyakumai, Tamilnadu, 21st May 2020.
- Participated in an online webinar on “Overview on Electrical safety and instrumentation” organized by EEE department, Miracle Educational society group of institutions, Vizianagaram, on 23-05-2020
- Attended online one week AICTE sponsored STTP Programme on Antenna Design and Analysis using Mathematical Solver, Organized by ECE department, AITAM, during 27/07/2020 to 01/08/2020.
- Attended online one week AICTE sponsored STTP programme on Internet of Things and its Applications, Organized by ECE department, Mount ZION college of Engineering and Technology, Tamil Nadu during 10/08/2020 to 15/08/2020.
- Attended online Three days FDP programme on Accelerating Research, Organized by ECE department, LENDI College of Engineering and, AP during 27/08/2020 to 29/08/2020.
- Attended online one week AICTE sponsored FDP programme on 5G LTE Wireless communication systems for NB Internet of Things, Organized by ECE department, LENDI college of Engineering, Vizianagaram, AP, during 07/12/2020 to 11/12/2020.
- Attended online 3 weeks AICTE sponsored IFDP programme on Research Perspectives on AI, ML, Data Science & Internet of Things, Organized by ECE department, KL deemed to be University college of Engineering, Vijayawada, AP, INDIA during 17/05/2021 to 05/06/2021.

- Attended online one week AICTE sponsored FDP programme on New & Emerging Technologies, Organized by ARK Info solutions Pvt. Ltd., AP, INDIA during 28/06/2021 to 02/07/2021.
- Participated in a Online Webinar on “How to Plan for Start-up, Legal & Ethical Steps” organized by Internal Quality Assurance (IQAC) & Institution Innovation Council (IIC), NARASARAOPETA ENGINEERING COLLEGE (A), NARASARAOPET, 25th August, 2021.
- Participated in the Webinar on “5G-Massive MIMO Antennas and Beam-forming Techniques”, organized by the Department of Electronics and Communication Engineering, Hindustan Institute of Technology, Coimbatore on 25.06.2021
- Participated in one-week Workshop on ‘Recent trend in antenna Design for 5G and Beyond Applications’ organized by Dept of ECE and ETE Ramaiah IT in association with IQAC, RIT & IEEE Antenna and Propagation society, RIT Student Chapter Bangalore during 23/08/2021 to 27/08/2021.
- participated in one week FDP on “Advanced Signal Processing, Communications using AI and ML Techniques” jointly organized by Department of ECE of GMR Institute of Technology and Sri Sairam Institute of Technology from 21st to 25th March, 2022.
- Participated in one week FDP on “Design of High-frequency Antennas for Real-time Applications (DHARA-2023) jointly organized by Department of ECE of GMR Institute of Technology and V R Siddhartha Engineering College from 14th to 18th March, 2023.
- Participated in one week Online FDP on “Applications in Signal Processing and Communication Systems” organized by Department of ECE of GITs Engineering College, Visakhapatnam from 29th April 2024 to 4th May 2024.
- Completed 12 weeks Online NPTEL-AICTE FDP on “Cloud computing” organized by Department of CSE of IIT Madras, During Jan- April 2024.
- Participated in one week Online FDP on “Semiconductor Devices, Modelling& Circuit Technology” organized by Department of ECE of LENDI Institute of Engineering and Technology, Visakhapatnam from 19th Aug 2024 to 24th Aug 2024.

Workshops/FDP Organized

- Organized a Five day Faculty Development Program on “Recent Trends in Electromagnetics and signal processing“ conducted at Avanthi IET, Cherukupalli, Tagarapuvalasa, Vizianagaram, during 8th Nov 2019 to 12th Nov 2019.
- Organized a Five day Faculty Development Program on “Recent Advancements in Communications, Data Analytics & Hyper mesh Using AI Tools“at GVP College for Degree and PG Courses(A), Rushikonda, Visakhapatnam, during 22nd April 2024 to 26th April 2024.

Events Organized:

- Organized an event on World Entrepreneurs Day Celebrations Program conducted at GVP College for Degree and PG Courses (A), Rushikonda, Visakhapatnam on 26th Aug 2021.

PUBLICATIONS: INTERNATIONAL/NATIONAL JOURNALS

S.No	Details of Publication
1	Combined Estimation of I/Q Imbalance and CFO in MIMO OFDM System Using Minimization of Channel Residual Energy and Two Step Methods.in IJERIA ISSN:2248-9278 /Vol-1/Issue-2/Pg.956-963/ July/Aug 2013
2	Performance Analysis of Sparse MIMO-OFDM Channel Estimation Using Spatial and Temporal Correlations In International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Index Copernicus Value (6.14 Impact Factor (2014): 5.611 2013
3	An Improved Compressed Sensing based Sparse Channel Estimation for MIMO-OFDM Systems with an Efficient Pilot Insertion Scheme (Scopus indexed) Indian Journal of Science and Technology , Vol 9(20), DOI: 10.17485/ijst/2016/v9i20/81485, May 2016 ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645
4	Performance Comparison of Channel Estimation in MIMO-OFDM System using Wavelet Transform and Fourier Transform in IJMECE free journal published in march 2017
5	A Space Frequency Block Coded MIMO OFDM channel estimation under various schemes of modulation with Rayleigh, AWGN channel states published in Journal of Advanced Research in Dynamical and Control Systems Vol. 9. Sp– 14 / Oct.2017 (Elsevier Scopus)
6	OFDM-based Massive MIMO Channel Estimation using Gaussian Mixture Learning and Compressed Sensing Methods” published in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S3, December 2019 (Elsevier Scopus)
7	Performance comparison of linear precoders for TDD Large Scale MIMO system with imperfect Reciprocity and channel estimations”. Published in Wireless personal communications an International Journal – SCI springer nature volume 110, Issue 4 Feb 2020 ISSN 0929-6212,. DOI 10.1007/s11277-019-06828-7
8	Heart Disease diagnosis process using MRI segmentation and LASSO net classification ML”. published in Journal of Critical Reviews (JCR-Scopus indexed) ISSN- 2394-5125 Vol 7, Issue 6, Pgno 717 to 721 2020
9	Design and Development of Antenna Array Using Slots for Multiband Applications ” , published in JARDCS , Vol.12 Issue-06 page No 1995 to 2004, June 2020 (Elsevier Scopus)
10	A hybrid approach on metamaterial loaded fractal antenna Design is published in SCIE journal (ACES) paper number _20200107 Sept 2020
11	Estimation of Sparse Channel using Bayesian Gaussian Mixture and CS-Aided Techniques for Pilot Contaminated Massive MIMO System is published in WPC (SCI springer nature) volume 116, Issue 1 Jan 2021 ISSN 0929-6212,. DOI 10.1007/s11277-020-07927-6
12	Compressed Sensing Channel Estimation with FBMC-Based Large Scale MIMO using Gaussian Mixture Learning is published in IJETER (Scopus journal) June 2020
13	A Compact Rectangular Dual Patch Antenna for Multiple Satellite Communication Applications is published in Wireless Personal Communications (SCI springer nature) https://doi.org/10.1007/s11277-021-08937-8 27 August 2021
14	A Comparison of Optimal RRTNOMA and OMA in a Paradigm Shift of Emerging Technologies Using Deep Learning Analysis is published in an international journal Mathematical Statistician and Engineering Applications, Vol. 71 No. 4 (2022) ISSN: 2094-0343, 2326-9865 Scopus

15	Unmanned Aerial Vehicle For Relief Operations is published in an international journal of creative research thoughts(IJCRT), Volume 10, Issue 6 June 2022 ISSN: 2320-2882
----	---

PUBLICATIONS: INTERNATIONAL/NATIONAL CONFERENCES:

1	Presented a paper in International Conference on Recent Advances in Computer sciences (ICRACS2K12) with title “Performance evaluation of different digital modulation schemes in AWGN channel with antenna diversity reception in mobile communications” at GIET, Rajahmundry 2012.
2	Presented a paper in International Conference on Circuits and communication systems IEEE conference (ICCS) with title “Performance Comparison of Compressive Estimation of Sparse Channel with feedback in 5G for hyper MIMO system” at MBCET college kerala 20 ,21 st Dec 2017 published in IEEE Digital Explore
3	Presented a paper in International Conference on Circuits and communication systems IEEE conference (ICDCS) with title “Compressed sensing aided estimation of channel in downlink TDD large scale MIMO” system at Karunya deemed to be university 16 ,17 th March 2018, published in IEEE Digital Explore
4	Presented a paper in National Conferences on “Automation Communication and Computing - 2010” with title “Low power Delay Buffer Using Gated Driver Tree for Data Transmission” at ANDHRA UNIVERSITY in 2009.
5	Presented a paper on “Fault analysis in FPGA using Phase Path Method” in a National Level Conference on automation, Communication & Computing NCACC-2k10 at GITAM Engineering College.
6	Presented a paper in Semiconductor Technology Exploration Program with title “Power Optimization of Low Power Delay Buffer Using Gated Driver Tree” at ANDHRA UNIVERSITY in 2011.
7	Presented a paper in Advances in Communication and Computer Networks (ACACN)with title “Enhanced Peak-To-Average Power ratio in OFDM system using cyclic Prefix” at ANDHRA UNIVERSITY in 2012
8	Presented a paper in National Conference on Electrical sciences (NCES) with title “Implementing GALS technique to NOC on FPGA” at Annamacharya Institute of Technology and Sciences, Kadapa in 2012.
9	Presented a paper in 49 th Mid-term symposium (MTS-2018) , IETE new Delhi on Down link channel estimation for TDD large scale MIMO system using modifies SP method at ANDHRA UNIVERSITY in 8-9 th April 2018.

Google Scholar ID:

https://scholar.google.co.in/citations?hl=en&user=NNKGPaQAAAAJ&view_op=list_works&authuser=1

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=57189684147>

Academic Achievements:

1. Got National Level 8th rank in AU RECT-2013 for Ph.D Admission
2. Highest pass percentage of JNTUK Results (UG-100%, P.G-100%)
3. Best paper Award in IEEE international conference held at MBCET-2017, Kerala
4. Published Four papers in SCI free journal WPC- Springer nature Vol. 110, Issue 4, Feb 2020, 116 Issue 1 Jan 2021. etc.
5. Published Seven papers in SCOPUS Journals
6. Published 2 Indian Patents and 1 UK Patent 1 Patent Granted.
7. Got Appreciation certificate as TPC member and Quality Reviewer in International conference ICRTCIS 2020 & 2021
8. Recognized as Research Guide from Andhra University in 2022
9. one NPTEL 12 weeks course on Cloud Computing with Elite jan -April 2024
10. Awarded Certificate of Excellence in Reviewing research article by AJRCS 24-08-2024.

Administrative Position taken charge as

Dept of ECE - HOD, M.Tech College level Coordinator,

NBA coordinator, PG Coordinator, Class Coordinator,

Dept Project Coordinator, Dept BOS Member.

NAAC C3 Coordinator,

IIC president in Avanthi IET, Organizing by MHRD, AICTE New Delhi.

At present in GVP College for Degree and PG Courses(A) IIC Start-up and Entrepreneur cell coordinator, ARIIA Co Coordinator. CSP coordinator.

Subjects Taught:

U.G Courses

SC – Satellite Communications

MWE - Microwave Engineering

EMF - Electro Magnetic Field Theory

OFC - Optical Fiber Communications

LICA- Linear integrated circuits and it's Application

PDC- Pulse and Digital Circuits

EMI- Electronic measurements and instrumentation

AEC/ECA - Analog Electronic Circuits

EDC - Electronic Devices and circuits

AWP - Antenna and wave propagation

DC - Digital Communication

AC - Analog Communication

SS - Signals and Systems

P.G Courses

OFA - Optical Fiber and it's Application

RF&MWE - Radiofrequency and Microwave Engineering

Permanent Address: S/O V. Narasaiah, Navagam (Vill), Palakonda (Md), Srikakulam (Dt).
Pin 532462

Present Address: Plot No 73, Brindavan colony, Near NRI Medical College ANITS, Sukhibhava
Builders and Developers, Sangivalasa, Tagarapuvalasa, Visakhapatnam. Pin 531162

Declaration: I here by declaring that the above data is correct as per my knowledge.

Station Visakhapatnam
Date: 06-09-2024

(Dr. V. Adinarayana

References:

1. Prof. P.Rajesh Kumar
Professor, Dept. Of ECE
Andhra University College of Engg (Autonomous)
Andhra University, Visakhapatnam, AP

rajeshauce@gmail.com
Mobile No 9440367694

2. Prof. B.T Krishna
Professor, Dept. Of ECE
JNTU College of Engg (Autonomous)
JNT University, Kakinada, AP

tkbattula@gmail.com
Mobile No 9502770755