RAVI SEKHAR YANAMANDRA

Permanent Address:
S/O Sri Y.RAMA MURTHY
FLAT NO: 106, MOHAN GARDENS,
CHALAMALA APARTMENT,
NEAR KRISHNA COLLEGE,
MADDILAPALEM POST,
VISAKHAPATNAM -530022.
Andhra Pradesh, India.
MOBILE: +919440080450, +917989744493.
Blog: http://helloworldyanamandra.blogspot.com
E-MAIL: ravisekharmtech@gmail.com,
              raviraviraviyanamandra@gmail.com.

CAREER GOAL:

- To purse an active teaching and research career.

LIST OF PUBLICATIONS

International Journal Papers:

Title	Journal	Volume	Issue	Date
The Prediction of Rain Fade Slope on Satellite Link And calculation of the Slope of the Attenuation component from Measured Time Series	*International journal of innovative research in electrical, electronics, instrumentation and control engineering*	1	5	Aug,2013 & 3.885 impact factor
Research on Rain Fade Attenuation at Indian Region by Fade Mitigation Techniques	*International Journal of Research in Electronics*	2	2	April,2015 & 1.28 impact factor

Modeling Aspects of Fade at Ku Band of Frequencies	*International Journal of Research in Electronics*	*2*	*2*	April,2015 &1.28 impact factor
Applications of Neural Networks in Different Domains	JUNI KHYAT	*10*	*7*	July2020 & impact factor 6.625
Design of Low Power and Area Efficient Hybrid Linear Feedback Shift Register	Journal of Critical Reviews	*7*	*11*	July2020 (Scopus Indexed)
High Speed Approximate Multiplier With TOSAM Architecture	JUNI KHYAT	*10*	*8*	August2020 & impact Factor6.625

TEACHING EXPERIENCE:

INSTITUTION	DURATION	OCCUPATION
1.Baba Institute Of Technology and Sciences,Visakhapatnam. Andhrapradesh, India.	05/11/2022 – Till Date	Asst. Professor
2.Sanketika Polytechnic College , PM Palem , Madhurawada, Visakhapatnam. Andhrapradesh, India.	22/10/2021 –30/09/2022	Lecturer

3.Sri Venkateswara College Of Engineering and Technology, Etcherla Srikakulam, Andhrapradesh,India.	31/1/2020 – 31/3/2021	Asst. Professor
4.Gokul Institute of Technology and Sciences, Bobbili,Vizianagaram, Andhra Pradesh, India	25/7/2016-22/4/2018	Asst. Professor
5.Vizag Institute of Technology, Dakamarri, Visakhapatnam, Andhra Pradesh, India	19/1/2015-24/7/2016	Asst. Professor
6.Satya Institute of Technology and management(SGVP).Vizia nagarm, Andhra Pradesh, India	1/3/2014 - 31/12/2014	Asst. Professor
7.Coastal Institute of Technology and management.Kothavalasa, Vizianagaram, Andhra Pradesh, India	7/1/2011 - 21/02/2014	Asst. Professor
8.Thandra Paparaya Polytechnic . Bobbili, Vizianagaram, Andhra Pradesh, India	1/8/2004 - 31/7/2008	Lecturer

Note: All dates are tentative.

Conferences/Publications/Workshops / FDPs / Webinars / QUIZs/Trainings/Memberships:

No of Conferences	:	1
No of Publications	:	6
No of Workshops Attended	:	11
No of FDPs Attended	:	12
No of Webinars Attended	:	25
No of QUIZs Attended	:	25
No of Short term trainings taken	:	3
Long term trainings taken	:	1
Networking Training taken	:	1
Apperticeships taken	:	1
No of Professional Memberships	:	2

1. Attended One day Workshop at GITAM UNIVERSITY on Engineering Pedagogy.

2. Attended National level symposium Workshop on sustainability development in CITM.

3. Attended National Education Summit in Mahatma Mandir at GUJARATH of two days.

4. Attended NPTEL workshop conducted on national programme on technology enhanced Learning organized by IIT Madras.

5. Completed Arduino FDP is offered by Spoken Tutorial Project ,IIT Bombay funded by National Mission on Education through ICT ,MHRD ,Govt.of .India.

6. Completed Qcad FDP is offered by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT ,MHRD ,Govt.of .India.

7. Completed Scilab FDP is offered by Spoken Tutorial Project, IIT Bombay
   funded by National Mission on Education through ICT ,MHRD ,Govt.of .India.

8. Completed ExpEYES FDP is offered by Spoken Tutorial Project,IIT Bombay
   funded by National Mission on Education through ICT ,MHRD ,Govt.of .India.

9. Participated Python FDP is offered by Spoken Tutorial Project,IIT Bombay
   funded by National Mission on Education through ICT ,MHRD ,Govt.of .India.

10. Completed the course Defeat Covid-19 by Gulf Medical University .

11. Participated Knowledge Sharing Session On Recent Trends And Its Application In
    ELCTRONICS organised by department of ECE St. Martin's Engineering College ,
    Secunderabad , TELENGANA .

12. Completed MECHATHON 2020 - A National Level Online Technical Quiz Conducted
    by NEHRU Institute Of Engineering And Technology , Coimbatore , TAMILNADU .

13. Completed the course Social Awareness on Covid-19 by University College Of Engineering
    Vizianagaram , JNTUK .

14. Participated in the Webinar of Django Python Framework Organised by Akash Technolabs and Sigma Institute Of Engineering , vadodara.

15. Participated in the Webinar of Deep Dive in Digital Disruptive Technologies (IOT/AI/ML/DL) Organized by Akshaya College Of Engineering and Technology in association with IEI Coimbatore Local Centre.

16. Participated in the Webinar of HTML5 and CSS3 Organized by CreArt Solutions and Sigma Institute Of Engineering , vadodara.

17. Participated Microstrip Antennas for Advanced Wireless Communications FDP training offered by Department of ECE , KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY in association with IETE, Vijayawada Division.

18. Participated in the Webinar on Priority of Incubation Centers in Higher Education Institutions Organised by Centre for Innovation Incubation and Entrepreneurship , Lakkireddy Balireddy College of Engineering , Mylavaram .

19. Participated in two day online workshop on Introduction to MATLAB & its Applications Organised by Sri Ventateswara College Of Engineering and Technology in association with Skilltohire .

20. Participated in a three day International Faculty Development Programme on Technologies for Healthcare Organised by the Depatment Of Electronics and Communication Engineering GMR Institute of Technology , Rajam , ap , India .

21. Participated in the Webinar on Internet of Things Using ARDUINO hosted by Dr Shyama Mukherjee University in association with PANTECH .

22. Participated in the Webinar on Object Detection Using Deep Learning hosted by BV Raju Institute of Technology , Hyderabad in association with PANTECH E Learning .

23. Participated in the Webinar on Model Design of Solar Energy Using MATLAB hosted by JEPPIAAR Engineering College , Chennai in association with PANTECH E Learning .

24. Participated in one day Webinar on Design Thinking For Innovation and Startups Organised by Depatment of Management studies Sri Ventateswara College Of Engineering and Technology Srikakulam .

25. Completed the National Level QUIZ on Engineering Physics Organised by Department of Science and Humanitics , Joginpally B.R Engineering College Hyderabad .

26. Participated in one day webinar on cyber security organised by Department Of Electronics and Communication Engineering , Sri Ventateswara College Of Engineering and Technology , Srikakulam .

27. Participated in one day webinar on Advanced Digital System Design Using Verilog organized by Department Of Electronics and Communication Engineering , Sri Ventateswara College Of Engineering and Technology , Srikakulam .

28. Participated in the Webinar on Multitarget Human Tracking over occluded Environment hosted by Department Of Electronics and Communication Engineering , CMR technical Campus , Hyderabad in association with PANTECH E Learning .

29. Participated in the Webinar on Wireless Communication Using MATLAB hosted by Department of Electronics and Communication Engineering , Mother Therisa Institute of Engineering and Technology , Chithoor in association with PANTECH E Learning .

30. Participated in the Power Electronics Simulation Using lab view hosted by Department of Electrical and Electronics Engineering , DMI college Of Engineering , Chennai in association with PANTECH E Learning .

31. Participated in the webinar on Recent developments in 5G standardization in 3GPP by IEEE Student Branch IIT Bhubaneswar.

32. Participated in the4 day international e-FDP webinars organized by sri venkateswara collage Of pharmacy , Etcherla, Srikakulam in association with ISVC.

33. Participated in the webinar on COVID-19 social awareness program organized by department Of Basic sciences and humanities sri venkateswara college of engineering and technology in association with ISVC.

34. Participated in the webinar Computer Vision Application Design hosted by atria institute of Technology, Bangalore in association with pantech.

35. Participated in the webinar on how to write a business case study organised by department of Basic science and humanities Vignan's Institute of Management & Technology for women , Hyderabad.

36. Participated in the on eweek national level FDP on Recent Advances in Antrnnas and Applications in association with IETE , Vijayawada centre organised by Communications System Research Group, Department of Electronics and communication engineering KLEF.

37. Participated in the webinar on Vertual and Agumented Reality in Education , GMR Institute of Technology , Rajam, AP.

38. Participated in the Webinar on Automotive Embedded Systems Organized by Department of Electronics and communication engineering , Malla Reddy Institute of Technology and science , Hyderabad.

39. Participated in the World's Largest Hands On Workshop on Dart Programming Language organized by Computer Science and Engineering Department of St.Mary's Integrated Campus Hyderabad in association with Brainovision Solutions India Pvt Ltd.

40. Participated in three days FDP on Recent Tends In VLSI Design & Its Research Issues in Industry Compliance organized by ECE Department SRM Institute of Science & Technology Ramapuram Campus, Chennai and institution's innovation Council (Ministry of HRD initiative Govt of India).

41. Participated in one day webinar on IPR Strategies and insights for start-up's organized by sri venkateswara college of engineering and technology srikakulam in association with ISVC.

42. Participated in the national level webinar on signal processing &its applications using MATLAB organized by department of ECE annamacharya institute of technology and sciences kadapa in association with NIT Tadepalligudem A.P.

43. Participated in the webinar on smart contracts in blo9ckchain organized by research and innovative cell(RIC) EWCE benguluru.

44. Participated in the webinar building and home automation systems with raspberry pi organized by government college of engineering kannur ISTE GCEK EC FORUM in association with NoviTech, Ernakulum.

45. Participated in the webinar choosing the right processor for embedded application by KL deemed to be university Vijayawada department of ECE in association with pantech.

46. Participated in the webinar emerging groth of virtual reality (VR) and augmented reality (AR) by K.S.R.M college of engineering in association with pantech.

47. Participated in FIVE Day FDP on VLSI &Embedded Systems Design for Aerospace & Defense Applications organized by department of ECE SRI VENKATESWARA INSTITUTE OF SCIENCE AND TECHNOLOGY ,KADAPA association with THE INSTITUTE OF ENGINEERS (INDIA) KADAPA LOCAL CENTER.

48 . Participated in the webinar Multi-functional MIMO Antenna for 5G Applications organized by IEEE APS student branch chapter of University of Calcutta in association with IEEE AP-MTTs Kolkata Chapter.

49 . Participated in one week AICTE-MHRD sponsored Online STTP3 on Design and Simulation of Miniature Antenna for IoT Application (DMAIA-2020) Organised by MVGR College of Engineering (A), Vizianagaram.

50 . Participated in one week AICTE sponsored online short term training program on Machine Learning and its Applications organised by department of electronics and communication engineering Lendi institute of engineering and technology (A) vizianagaram, Andhra Pradesh, India.
51 . Participated an online one week international faculty development program (FDP) on modeling simulation & fabrication of futuristic semiconductor MEMS devices organised by Micro Electronics Research Group (MERG) department of electronics and communication engineering KL(deemed to be university) vaddeswaram, Guntur , AP.

52 . Participated and completed AICTE Training And Learning **ATAL** academy Online FDP on Data Sciences at gudlavalleru Engineering College.

53 . Participated in Short Term Training Program on Hands on Project Based Approach of 5G Design and Development sponsored by Department of ECE Kakatiya Institute of Technology And Science , Warangal . Participant obtained grade A in the comprehensive exam.

54. Participated and clearing the test in the AICTE sponsored online short-term training program On developing cyber security models using statistical and deep learning organised by deparmment Of Information Technology , Vishnu Institute of Technology , Vishnupur , Bhimavaram , West Godavari , Andhra Pradesh , India.

55 . Participated in the one day National Webinar AS"IC Design Industry Perspectives organized By Micro Electronics Research Group (MERG) Department of ECE , Koneru Lakshmaiah Educatopn Foundaton (KLEF) .

56 . Participated in the one day national workshop (online) on Importance of Research Matrics : Overview of Scopus and Web Sciences Organized by Department of Mathematics , Vikram Simhapuri University , Nellore , Andhra Pradesh , India .

57 . Participated and passing the test in the AICTE sponsored two week online FDP on Reliability Engineering and System Safety Organized by Vishnu Institute of Technology , Vishnupur , Bhimavaram , West Godavri , Andhrapradesh , India .

58 . Participated an online National Webinar on Optical Imaging of Brain Function Organised by Micro Electronics Research Group (MERG) , Departmrnt of Electronics and Communication Engineering , KLEF (Deemed to be University) , Vaddeswaram , Guntur , Andhra Pradesh ,India .

59 . Participated & cleareing the test in the AICTE sponsored online short – term training Program on developing cyber security models using statistical &deep learning 9 (phase – 3) Conducted by Department of Information Technology Vishnu institute of technology , vishnupur ,bhimavaram , west Godavari , Andhra Pradesh .

60 . Participated in AICTE Sponsored online STTP program on Resent Trends in CSE

Phase 1 organized by department of COMPUTER SCIENCE & ENGINEERING at St mary's

Womens Engineering College , Budampadu , Guntur District , Andhra Pradesh .

61 . Participated in the two day national workshop on THE REVISED ACCREDITATION

FRAMEWORK OF NAAC-2020, THE PRACTICE OF QUALITY INITIATIVES BY

IQAC FOR THE QUALITY ENHANCEMENT IN HEIs, IQACNLW 2021 organised by

INTERNAL QUALITY ASSURANCE CELL (IQAC) Vignan Institute of Information Technology

DUVVADA,GAJUWAKA,VISAKHAPATNAM.

62 . Participated in a one week online AICTE Short Term Training Programme on Machine Learning

On recent trends and applications Phase-1 organised by department of ECE Srinivasa Ramanujan

Institute of Technology , Ananthapuramu , Andhra Pradesh .

63 . Participated in A National level Webinar A complete Pathway of Research for Young Researchers

Organized by the department of electrical and electronics engineering , Sri Venkateswara college

Of engineering and technology, Etcherla , Srikakulam , Andhra Pradesh .

64 . Participated and Completed Successfully AICTE Training And Learning (ATAL) Academy

Online Advanced FDP on Machine Learning and computer vision at Vignan Foundation For Science

 Technology and Research University .

65 . Participated and completed Successfully AICTE Training And Learning (ATAL) Academy

Online Elementary FDP on MEMS Technology and Microsensors at National Institute Of Technology

Meghalaya .

66 . Participated in webinar series on Random Variables and Stochastic Processes Organized under the

association with GMR Institute of Technology , Rajam , Srikakulam .

67 . Participated in one week National level Online Faculty Development Program (FDP) on Societal Applications of AI, Blockchain and IoT organized by the department of computer Science & Engineering of Shri Vishnu Engineering College for Women (A) , Bheemavaram , West Godavari .

68 . Participated in Webinar on Modern Radar Systems and their Applications organised by IETE Students Forum and department of Electronics and Communication Engineering , Gayatri Vidya Parishad College Of Engineering For Women .

69 . Participated & completed successfully AICTE Training and Learning(ATAL) Academy Online elementary FDP on IOT in HealthCare at Indian Institute of Information Technology (IIIT),Nagpur,MAHARASTRA.

70. Participated & completed successfully 3 day on Emerging Trends in Electronics and computer Engineering at NSRIT(A),Sontyam,Andhra Pradesh,INDIA.

71. Elected as a CHARTERED ENGINEER (INDIA) from INSTITUTION OF ENGINEERS(I), KOLKATA,WEST BENGAL.INDIA.

72. Participated in one week online faculty development program on recent trends in applications of emerging technologies organized by department of CSE by VVIT, Nambur, Guntur Dt

PROFESSIONAL MEMBERSHIPS :

Member (MIE) in THE INSTITUTION OF ENGINEERS (INDIA) with membership number M-1715806 on 15 th February 2021 .

CHARTERED ENGINEER (INDIA) from INSTITUTION OF ENGINEERS(I), KOLKATA,WEST BENGAL.

Member in (IAENG) International Association of Engineers with membership number M-265001 on 24 th September 2020 .

Apprenticeships :

Completed DIPLOMA APPERENTICE in APTRANSCO TELECOMS DIVISION in
220 kv sub-station Gajuwaka , VISAKHAPATNAM .

Partially Completed POST DIPLOMA APPERENTICE in BHEL IN EDP DEPARTMENT
RAMACHANDRAPURAM at HYDERABAD .

Networking Training:

Networking training completed which was given by UNITED TELECOMS LIMITED after
Successful completion of training at HYDERABAD posted at KAKINADA COLLECTORATE
in APSWAN (Andhra Pradesh State Wide Area Networking)

Long term courses:

          Completed 48 weeks Medical Electronics course in Advanced Training Institute for
Electronics and Process Instrumentation in Ramanthapur, Hyderabad.
Secured 772/1000 marks in Final Test and obtain pass certificate .

Jr Inter Experience:
                        Worked as JL in Physics at Sri Chaithanya Junior College , Boys Campus
at Asillametta, Visakhapatnam.

Short term courses attended:

1.   Seven days on Automation and Process Instrumentation in Sitrans (SIMENS), Kalwa, Mumbai.

2.   Seven days on PLC, Switch Gear, Drives, HMI, SCADA on Industrial Automation and
         Process Instrumentation Laboratory in CITM.

3.   Two months in National Institute of Nutrition, Tharnaka, Hyderabad on Bio-
         Medical instrumentation in Instrumentation Division.

EDUCATION:

Qualification	Institution	Duration	Percentage
Ph.D	GITAM Institute of Technology, GITAM UNIVERSITY, VISAKHAPATNAM.	2012 Onwards	Pre Ph.D completed.
M.Tech (VLSI SYSTEM DESIGN)	ASTIE&T, Jawaharlal Nehru Technological University, Kakinada, AP, India.	2008-2010	65.5%
AMIE (Electronics and Tele Communication Engineering)	The Institution of Engineers (India), 8-Ghokhale Road, Kolkata,	1999-2004	54.3%
POST DIPLOMA (Computer application Engineering)	GIPDCE&T, Govt. Polytechnic, Visakhapatnam, State Board of Technical Education & Training, Hyderabad, AP, India.	2002-2004	77.4%
DIPLOMA (Electronics and Communication Engineering)	Govt. Polytechnic, Narsipatnam, Visakhapatnam, State Board of Technical Education & Training, Hyderabad, AP, India.	1996-1999	76.1%
SSC	R.C.M. St Anthony's high school, Vizianagaram, AP, India	1995-1996	81.1%

ACHIVEMENTS:

✔ Won first prizes in Essay competitions and quiz competitions in school.
✔ Stood school Third in SSC.
✔ Completed SWIFT (Short Work Program in Information Technology) course at NIIT Vizianagaram.
✔ Got 2293 state rank in CEEP entrance exam 1996.
✔ Got 1561 state rank in APRJC enrrance exam (MPC stream) in 1996.
✔ Got 532 rank in ECET conducted by JNTUniversity, Hyderabad.
✔ Got 34 rank in PG full time conducted by JNTU University, Hyderabad in 2006.
✔ Got 56 rank in PGECET conducted by Osmania University, Hyderabad in 2008.
✔ Secured 232/350 score in UGC NET June 2013.Lost Assistant Professorship by 1 Mark.

PROJECTS HANDLED:

Number of B.Tech Projects handled   : 9

Number of M.Tech Projects handled   : 3

Number of Diploma projects handled   : 5

Conferences:

Participated in the Conference on Micro-Electronics, Electromagnetics and Telecommunications ICMEET-2015 during 18th & 19th December, 2015 at GITAM University, Visakhapatnam-530045, Andhra Pradesh, India. Conducted by Department of Electronics and Communication Engineering, GIT, GITAM University, Visakhapatnam.

Skills

1. Knowledge of Simulation Softwares - Modelsim, Xilinx, MATLAB-Simulink.
2. Knowledge of Hardware descriptive languages and kits – VHDL, Verilog HDL and
   FPGA , CPLD Kits.
3. Knowledge of programming Languages- JAVA,C# ,C, C^{++}
4. Knowledge of Operating systems – Windows.

.NET Experience

        Training taken on .net in millinium software sollutions , MVP colony, Visakhapatnam
from 23-4-18 to 23-5-18, later joined in Qlurn software solutions, Narasimha Nagar,
Akkayyapalem, Visakhapatnam upto 30 -1 -2020 .

Working on:

SAP-ERP MODULES,

Like

HR MODULES,
PURCHASE MODULES,
SALES MODULES,
INVENTORY MODULES,
FINANCIAL MODULES,
Etc …

With

Postgre SQL DB,
MS SQL DB,
 C# language,
ADO.NET Classes,
ASP.NET
Visual Studio IDE,
HTML,
CSS,
BOOTSTRAP,
JAVA SCRIPT,
ANGULAR JS,
MVC

etc … concepts.

Engineering Subjects Handled (ECE) :

BIO – MEDICAL ENGINEERING ,

MICROPROCESSORS AND MICRO CONTROLLERS ,

SWITCHING THEORY AND LOGIC DESIGN ,

ANALOG COMMUNICATION,

SIGNALS AND SYSTEMS ,

VERY LARGE SCALE INTEGRATED CIRCUITS ,

TELEVISION ENGINEERING ,

ELECTTRONIC DEVICES AND CIRCUITS ,

ELECTRONIC CIRCUIT ANALYSIS ,

SATELLITE COMMUNICATION ,

ELECTRONIC MEASURING INSTRUMENTATION ,

INFORMATION THEORY ,

DIGITAL INTIGRATED CIRCUITS APPLICATIONS ,

OPTICAL COMMUNICATION

PROGRAMMING IN C LANGUAGE

INDUSTRIAL MANAGEMENT AND SMART TECHNOLOGIES… etc

PERSONAL DETAILS

Date of Birth	:	20 / 08 / 1981.
Gender	:	Male.
Marital status.	:	Married.
Nationality	:	Indian.
Languages known	:	Telugu, Hindi, English.
Hobbies	:	Cricket, Chess, Listening to music.
Strengths	:	Positive thinking, Patience, Team worker & Smart worker.

Declaration:

I hereby declare that all the information given above is true and correct to the best of my knowledge. All the information shared in the resume is correct, and I take full responsibility for its correctness. I solemnly declare that the information in this resume is true to the best of my knowledge and belief.

Date:

Place: (Y. Ravi Sekhar)