

CURRICULUM VITAE

Dr. K. KANTHI KUMAR



Email: kkanthik@gmail.com

Contact No: +91-9949311310

CAREER OBJECTIVE

Seeking a challenging position in the Educational organization that provides opportunities for my career growth in the field of teaching by utilizing my abilities, dedication, enthusiastic individual with outstanding academic, communication, organizational, skills and a passion for teaching which I established through my qualification & experience.

WORKING EXPERIENCE: 15 YEARS

- Presently working as an **Associate Professor** in ECE in **Tirumala Engineering College**, Jonnalagadda, Narasaraopet, from April 2021 to till date.
- Worked as an **Associate Professor & In-charge HOD** in ECE in **Holy Mary Institute of Technology & Science**, Bogaram, Hyderabad, from February 2019 to March 2021.
- Worked as an **Associate Professor** in ECE in **Holy Mary Institute of Technology & Science**, Bogaram, Hyderabad, from June 2012 to February 2019.
- Worked as an Associate Professor in E.C.E in **Vidya Vikas Institute of Technology**, Chevella, Hyderabad, from June 2010 to May 2012.
- Worked as an Assistant Professor in E.C.E in **Vidya Vikas Institute of Technology**, Chevella, Hyderabad, from June 2008 to May 2010.
- Worked as an Assistant Professor in **Newton's Institute of Engineering**, Macherla in E.C.E Dept. from July 2005 to May 2007.

EDUCATIONAL QUALIFICATIONS

- **Ph.D (E.C.E)** from **JNTUK** in March 2019 under the honored guidance of **Dr A.Yesu Babu** , Professor & Head-CSE, Sir CRRCE, Eluru & **Dr. B. T. Krishna**, Professor & Head, Department of ECE, JNTUK, Kakinada.
- **M.Tech (C&C)** Computer & Communication Engineering in 2005 from Bharath Institute of Higher Education & research, Chennai with **74.3%**.
- **B.Tech (ECE)** Electronics & communication Engineering in 2002 from Bapatla Engineering College, Nagarjuna University with 59.85%
- **Intermediate** from Sai Junior College–Bapatla – Guntur(Dt) in 1998 with 59.5%.
- **S.S.C** from Loyola High School, Vinukonda – Guntur(Dt) in 1996 with 67%

SUBJECTS OF INTEREST AND CURRENTLY TEACHING:

U G Level

- Computer Networks
- Network Security and Cryptography
- Internet Protocols
- Data Communication Systems
- Mobile Computing
- Intellectual Property Rights
- Network Management Systems
- Operating Systems
- Wireless Communications & Networks
- Cellular and Mobile Communications
- Switching Theory & Logic Design
- Computer Organization & Operating Systems
- Data Communications & Networks

PG Level

- Advanced Computer Networks
- Information Security
- Embedded Systems
- Computer System Design
- Software Design and Engineering
- Wireless Communications & Networks
 - RM&IPR

ACHIEVEMENT & ACTIVITIES

- **NSS Program Officer** for HITS from March 2017 to June 2020.
- Coordinator for one week **Faculty Development Program** on **Signal and Image Processing** in collaboration with **E&ICT Academy, NIT Warangal** from 3rd June to 8th June 2019.
- Attended various Webinars, Seminars, Workshops, FDPs and Quiz in Online.

- Organized **National level online quiz** with 2127 participants on Fundamentals of Computer Networks on 29-05-2020.
- Coordinator for **ISF Student chapter in IETE**
- ISO 9001-2008 Quality Systems **Coordinator** in 2010-11 A.Y for VVIT.
- Organized and played key role in various National level Conferences / Symposiums for staff and students.
- **HITS COE Alumni Association member.**
- Organized and played key role in various short term courses, guest lectures, workshops, seminars, career awareness programmes and orientation Programmes for staff and students.
- VVIT Alumni Association member.
- Coordinator, **Mentor-Mentee Activity.**
- Attended Various “**Faculty Development Programs**” organized by various Organizations.
- Participated in Several Collage and University Level Examination works as **External, Observer, Chief Examiner for Paper Evaluation**, etc.
- Acted as a **Chief Observer for EAMCET 2010** in karimanagar, A.P.
- Acted as Internal Guide for MSIT Projects at **Kovempu University**, Karnataka.
- **Staff Selection Committee Member** in VVIT & HITS.
- Acted as a **Judge** for Technical Paper Presentations of different Engg colleges.
- Actively Managed B.Tech, M.Tech & MCA **Projects** as an Internal Guide.
- Well versed with the **old and new NBA rules** while working for accreditation in Vidya Vikas Institute of Technology, Chevella during 2010-11.
- Well versed with the old and new NBA rules while working for accreditation in Holy Mary Institute of Technology & Science during 2012-13.
- Well versed with the **NAAC rules** while working for accreditation in Holy Mary Institute of Technology & Science in 2018.
- Well versed with the **UGC-Autonomous rules** while working for accreditation in Holy Mary Institute of Technology & Science in 2020.

AWARDS

- **Leading Educationist of India 2020** by Sarojini Research and Development Council
- **Young Achiever Award 2018** by Institute for Exploring Advances in Engineering IEAE
- **Best Faculty Award 2017-18** by Bharath Talents Association

- Vatsalyam Award by Vatsalyam Voluntary Organization in 2018.
- Blood Donor Award from Indian Red Cross Society from Mrs. Amrapali IAS.

MEMBERSHIP

- Life Member of Indian Society for Technical Education (**LM63065**)
- Life Member of Institution of Electronics & Telecommunications Engineers (**LM-500500**)
- Life Member of Indian Academicians And Researchers Association (**M/M-430**)
- Life Member of International Association of Engineers (Member No: **149103**)
- Life Member of Institute for Exploring Advances in Engineering (Member No: **IEAE20180337**)
- Life Member of Computer society of India (**CSI**)
- Annual member in Sarojini Research and Development Council (**SRDC**).

SECURITY CERTIFICATIONS

From Mile2

- **CISSP** (Certified Information Systems Security Professional)
- **CNS** (Certified Network-Security Specialist)
- **CPTS** (Certified Penetration- Testing Specialist)
- **CPTE** (Certified Penetration Testing Expert)
- **CFSVS** (Certified Financial Sector Vulnerability Specialist)
- **DR & BCP** (Disaster Recovery & Business Continuity Planning)

PUBLICATIONS: 32

Paper publications in international journals:

- Published a paper entitled “Energy Efficient Reliable Routing Protocol for Mobile Ad hoc Networks” in **IEEE PUBLICATION TITLE** (Journal, Magazine, Conference, Book): ICNCS of ICECT 2011 with ICNCS2011 Notification S10024, Order ID: 20110104-4725-018294 with impact factor 10.694
- Published a paper entitled “Intrusion Detection in Wireless Networks Using Selected Features” in (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 2 (5) , 2011, 1887-1893 with ISSN :0975 -9646 with impact factor 2.28
- Published a paper entitled “A Radio Circulated Intrusion Detection System and a New Attack model ” in IJCST Vol. 2, SP 1, December

with ISSN : 0976-8491(Online) | ISSN : 2229-4333(Print) with impact factor 5.21

- Published a paper entitled “An Alternative Communication Technology: based on White LED’s in Visible Light Communication” in IJECT Vol. 2, SP-1, Dec . 2011 with ISSN : 2230-7109(Online) | ISSN : 2230-9543(Print) with impact factor 5.09
- Published a paper entitled “ROUTING PROTOCOLS IN MANETS” in IJCSET Vol. 2 Issue 2, 2884-887 February 2012 with ISSN:2331-0711 with impact factor 0.47
- Published a paper entitled “Design and Implementation of Electronic Tollgate Collection System” in IJETT Vol. 4 Issue 9, September 2013 with ISSN: 2231-5381 with impact factor 2.88
- Published a paper entitled “Performance Analysis of Robust Method to Identify the Speaker Using Lip Segmentation” in IJETT Vol. 4 Issue 9, September 2013 with ISSN: 2231-5381 with impact factor 2.88
- Published a paper entitled “ FPGA Based design and Implementation of Image Edge Detection using Xilinx System Generator” in GIIRJ, Vol.2 (11), NOVEMBER (2014) with ISSN: 2347-6915 with impact factor 1.080
- Published a paper entitled “Electronic Toll Collection System For Billing Using Wireless Communication” in IJAERS Vol-1, Issue-5, Oct.- 2014 with ISSN: 2349-6495 with impact factor 10.22161
- Published a paper entitled “Using Web-Referral Architectures to Mitigate Denial-of-Service Threats” in IJCST Vol. 5, SPL - 1, Jan - March 2014 with ISSN: 0976-8491 (Online) | ISSN: 2229-4333 (Print) with impact factor 5.21
- Published a paper entitled “Contrast Enhancement of Images with Poor Lighting Based on Watersheds” in IJETT *Volume 15 Number 4 – Sep 2014* with ISSN: 2231-5381 with impact factor 2.88
- Published a paper entitled “Self-Secured and Rescue System for Module Automobiles” in IJETT Volume 16 Number 4 – Oct 2014 with ISSN: 2231-5381 with impact factor 2.88

- Published a paper entitled “Design and Analysis of Parallel Self-timer adder without carry chain Propagation” in IJOEET, Volume 3, Issue 2 JULY 2015 with impact factor 10.29121
- Published a paper entitled “Superfluous Adders on Field Programmable Gate Array” in IJRAET, Volume 4, Issue 2 JULY 2015 with impact factor 5.44
- Published a paper entitled “ Driver behavior detection system in intelligent transportation systems” in IJRAET, Volume 4, Issue 5 AUG 2015 with impact factor 5.44
- Published a paper entitled “Low cost interface card for measurement and automation using LABVIEW” in IJTRE, Volume 2, Issue 11, July-2015 with ISSN: 2347 – 4718 with impact factor 1.4264
- Published a paper entitled “ELECTRONIC VOTING MACHINE USING FINGER PRINT MODULE” in IJGI, Vol.6, Issue .II Paper Id: SP-V6-I2-P17 with ISSN: 2319-9253 with impact factor 3.79
- Published a paper entitled “Optimal Carrier Phase Factor Selection in Hybrid SLM-PTS Technique for PAPR Reduction of OFDM Signals” in EJSR, Vol. 144 No 3 March, 2017, pp.241 - 251 with ISSN: 1450-216X / 1450-202X with impact factor 0.736 (**Scopus**)
- Published a paper entitled “Improved PTS Technique Based on Sub-Block Weighting Method of PAPR Reduction in OFDM Signals” in IJIES, Vol.10, No.5, 2017, DOI: 10.22266/ijies2017.1031.10. (**Free Scopus**)
- Published a paper entitled “Regressive group phase weighting in PTS combined with SLM approach for PAPR reduction in OFDM systems” in Cluster Computing - **Springer**, <https://doi.org/10.1007/s10586-017-1222-8>. (SCI Journal)
- Published a paper entitled “A Study of PAPR Reduction Techniques In OFDM” in AIJREAS, Volume 3, Issue 4 (2018, APR) with ISSN: ISSN-2455-6300.
- Published a paper entitled “Design and Implementation of Ultra Sonic Range and Object Detection” in *SSRG - IJECE, Special Issue ICETST Nov 2018* with ISSN: 2348 – 8549 with impact factor 1.05

- Published a paper entitled “Implementation of cryptography using PC with RF Communication” in *JASC, Volume VI, Issue II, February 2019* with ISSN NO: 1076-5131 with impact factor 5.8
- Published a paper entitled “Implementation of Fire Fighting Robotic Vehicle” in *AIJREAS, Volume 4, Issue 12, (December 2019)* with ISSN: ISSN-2455-6300.
- Published a paper entitled “Smart Public Transport with Flow-Estimation and Fare-Collection Using RFID” in *AIJREAS, Volume 4, Issue 12, (December 2019)* with ISSN: ISSN-2455-6300.
- Published a paper entitled “Implementation of Movable Road Divider for vehicular traffic control” in *IJAEMA, Volume XII, Issue V, May/2020*, with ISSN NO:0886-9367 with impact factor 6.466
- Published a paper entitled “Implementation of Mine Detecting Robot Prototyping Using Arduino” in *JAC: A JOURNAL OF COMPOSITION THEORY, VOLUME XIII ISSUE VI JUNE 2020*, with ISSN NO: 0731-6755 with impact factor 5.7
- Published a paper entitled “Implementation of Helmet Authentication and Alcohol Sensing for Riders” in *JICR - Journal of Interdisciplinary Cycle Research, Volume XII, Issue VI, June/2020* with ISSN NO: 0022-1945 with impact factor 6.2
- Published a paper entitled “Implementation of Movable Road Divider for vehicular traffic control” in *JCT, Volume XIII, Issue VI, June 2020*, with ISSN NO: 0731-6755 with impact factor 5.7
- Published a paper entitled “A Phase Measurement System Using FPGA” in *Journal of Interdisciplinary Cycle Research, Volume XII, Issue VIII, August/2020*, with ISSN NO: 0022-1945 with impact factor 6.2
- Published a paper entitled “A Survey of VLSI Architectures for Hamming Code Algorithm” in *Journal of Interdisciplinary Cycle Research, Volume XII, Issue VIII, August/2020*, with ISSN NO: 0022-1945 with impact factor 6.2
- Published a paper entitled “IMPLEMENTATION OF LOW POWER DIGITAL CIRCUITS USING REVERSIBLE GATES” in *Journal of Interdisciplinary Cycle Research, Volume XIII, Issue I, January/2021*, with ISSN NO: 0022-1945 with impact factor 6.2

Paper publications / Participated in National / international Conferences: 5 conferences (7 Papers)

- Participated and presented a paper in International Conference on communication and advanced computing (ICOCAC-2018) KG Reddy College of Engineering, Hyderabad, Telangana.
- Participated in International Conference on Computational Intelligence and Big Data Analytics (CIBDA – 2017) (Springer Conference) at Vishakapatnam, A.P
- Participated and presented a paper in National Conference on Emerging Trends in Information and Communication Technologies (NCET - ICT 2018) at Holy Mary Institute of Technology & Science, Hyderabad, Telangana.
- Participated and presented a paper in International Conference on Emerging Trends in Science and Technology (ICETST - 2018) at Holy Mary Institute of Technology & Science, Hyderabad, Telangana.
- Participated and presented 3 papers in International e-Conference on Advanced Research in Science, Engineering Technology & Management (ICARSETM - 2020) on 24th & 25th July 2020 by Shadan women's college of Engineering & Technology, Hyderabad, Telangana.

Participated in National / international Workshops and Seminars: 07

- Participated in 3 days **Faculty Development Program** on Bio Signal Processing & Measurements and Computing Everywhere from November 26th to 28th, 2015 at Vignan's Foundation for Science, Technology & Research, Andhra Pradesh.
- Participated in **National Cyber Safety and Security Standards Summit - 17** by National Cyber Safety and Security Standards from February, 17th to 18th, 2017 at BITS - Pilani, Hyderabad Campus, Telangana.
- Participated in **Workshop** by Surya Technologies on Tele Communications from September 18th to 23rd, 2017 at Holy Mary Institute of Technology & Science, Hyderabad, Telangana.

- Participated in **Workshop** by Global Initiative Academy of Networks, a GIAN Course on Smart Tap IOT enabled water quality testing and analysis using sensor and cloud from November 20th to 29th, 2017 at NIT Warrangal, Telangana.
- Participated in **Workshop** by **UTKRANTHI** on 28-02-2018 at Holy Mary Institute of Technology & Science, Hyderabad, Telangana.
- Participated in **one week Faculty Development Program on Cellular Mobile Communication Networks** organized by Department of ECE, Geethanjali College of Engineering & Technology from June 25th to 30th, 2018.
- Participated in **one week Faculty Development Program on Signal and Image Processing** in collaboration with **E&ICT Academy, NIT Warangal** from 3rd June to 8th June 2019.

Participated / Organized NSS Activities and Events: **21**

- Participated in **Heartfulness Meditation** Event on International Day of Yoga organized by Heartfulness Institute, India in collaboration with National Service Scheme (NSS), June 21st, 2016 at Gachibowli Stadium Hyderabad.
- Hosted one week university level **NSS Personality Development Program** organized by National Service Scheme (NSS) Cell, Jawaharlal Technological University, Hyderabad from June 04th to 09th, 2017 at Holy Mary Institute of Technology & Science.
- Hosted one week university level **NSS Self Defence Camp** organized by National Service Scheme (NSS) Cell, Jawaharlal Technological University, Hyderabad from June 04th to 09th, 2017 at Holy Mary Institute of Technology & Science.
- Received **appreciation** from **NSS Coordinator JNTUH, State NSS Officer and Regional Director** for hosting one week university level **NSS Self Defense Camp** organized by National Service Scheme (NSS), Jawaharlal Technological University, Hyderabad from June 04th to 09th, 2017 at Holy Mary Institute of Technology & Science as camp coordinator.
- Received **Prakruthi Rakshaka Green Warriors Award** for NSS Unit of Holy Mary Institute of Technology & Science by **Lee Sreyus**

Foundation at Aurora's Technological & Research Institute on 30th August 2017 for the year 2016-17.

- Participated and speaker in **National level youth Meet** on Safe water of future hosted at Malla Reddy Engineering College from March 2th to 21st, 2017 organized by NYKS, Ministry of Youth Affairs and Sports, Govt of India.
- Participated in **Walk for Future Smiles** organized by Vatsalyam Voluntary Organization, Hyderabad on April 1st, 2018 at Nagole, Hyderabad.
- Participated in **one week workshop on NSS Teaching Methodologies** organized by NSS Cell, JNTUH and BVRIT, Narsapur supported by State NSS cell, Higher Education Department, Govt of India from October 25th to 30th, 2017 at BVRIT, Narsapur.
- Participated in state **workshop on Youth & Health** organized by NSS Cell, JNTUH, State NSS cell and Regional Directorate, Higher Education Department, Govt of India from March 24th to 25th, 2018 at MLRIT, Hyderabad.
- Participated in one day **workshop on Youth for Youth** organized by Samskruthi Foundation and NSS Cell, JNTUH, on June 17th, 2017 at JNTUH, Hyderabad.
- Participated in state level **5K run** on Drug Free Hyderabad organized by American Telangana Association and State NSS cell, Higher Education Department, Govt of India, on December 3rd, 2017 at Nacklace road, Hyderabad.
- Organized **Elocution competition on Kill Cancer** organized by NSS Unit, Holy Mary Institute of Technology & Science on March 03rd, 2018 at Holy Mary Institute of Technology & Science.
- Participated in the event **Youth of India** – the game changers organized by Ignating Minds International Foundation, House of Kalam, on January 12th, 2018 at Ravindra Bharathi, Hyderabad.
- Participated in state level **Elocution competition** at bogaram village organized by State level coordinator for Oil Industry in Telangana on the occasion of SAKSHAM 2018 on January 12th, 2018.

- Participated as a **contingent leader** and coordinated the **National Integration camp** organized by National Service Scheme (NSS) Cell, Jawaharlal Technological University, Hyderabad at BVRIT, Narsapur from August 26th to 01st September, 2018.
- Participated and coordinated in **NSS Day Celebrations** organized by NSS Cell, JNTUH, on September 24th, 2018 at JNTUH, Hyderabad.
- Organized one week **Residential NSS Special Camp** from January 29th to February 03rd, 2018 at Adopted village Bogaram with 55 NSS Volunteers.
- Organized **Voluntary Blood Donation Camp** in Association with Indian Red Cross Society, Warrangal Chapter on January 24th, 2018 at Holy Mary Institute of Technology & Science with 290 units of donation.
- Participated in **Training of Trainers** on Youth and peace building for NSS Program Officers jointly organized by centre for training, Orientation and capacity building, Rajiv Gandhi National Institute of Youth Development (RGNIYD), NSS State Cell, Govt. of Telangana and Gandhi Research Foundation, Maharashtra from January 20th to 22nd, 2018 at CVSR College, Hyderabad.
- Participated in **Training of Trainers on Making Campus Plastic Free** organized by EPTRI ENIVS/HUB/RP, in association with NSS Unit, SIET on April 22nd, 2018 at SIET, Hyderabad.
- Organized one day **workshop on Enhancement of English Communication Skills** organized by NSS Unit, Holy Mary Institute of Technology & Science on March 27th, 2018 at Holy Mary Institute of Technology & Science.

EXTRA CURRICULAR ACTIVITIES:

- Active **Research** participation: Guiding more than 15 M.Tech & 30 B.Tech Students for their Projects's and published several National and International papers.
- **Motivation:** Motivated Hundred of students in fulfilling the dreams, and assisted several Faculty/Staff in pursuing their career goals in various capacities as a Faculty, Head of the Dept; and Vice Principal respectively.
- **Disciplinarian:** Responsible for peaceful, congenial environment of the college without compromising the quality of the education.

- **Honesty:** Acquitted over the years being associated with developmental works.
- **Leadership:** Ready to lead from front, acclaimed by holding many positions at various capacities at college level.
- **Administration:** Have Excellent Administrative Skills to accomplish any Task at any given point of time.
- Excellent **student – relations** over the entire 15 years of service.
- Adequate **knowledge** about administration, planning and reforms in the examination branch.
- Unencumbered **family preparedness** enabling **hard work** to lead any work in the interest of the college.
- **Impeccable Conduct and Character** acknowledged in the society.
- Team spirit, Competitive nature and ability to adapt to various environments.

PERSONAL PROFILE

- **Father's Name** : Late K. John Prasad Rao
- **Date of Birth** : 19-04-1981.
- **Languages Known** : English, Telugu, Hindi & Tamil
- **Address For Communication** : L/5, NSP Colony
Vinukonda, Guntur Dist, A.P.
- **Permanent Address** :L/5, NSP Colony
Vinukonda, Guntur Dist, A.P

DECLARATION

I here by declare that the above-mentioned particulars are true to the best of my knowledge and I am willing to bare any consequences arising out of them.

Place:

Date:

(Dr. K. KANTHI KUMAR)