



Dr. V. VIJAYA KISHORE
M.Tech., Ph.D

Senior Member IEEE, Fellow IETE, Member IET, LM ISTE
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PROFICIENCY

- NBA
- NAAC
- IQAC
- OBE
- Design Thinking & Innovation
- Design and Implementation of Key Result Areas

VITALS

Number of journal publications: **30**
Number of conference publications: **24**
Number of Ph.D scholars(persuing): **8**
Number of books authored: **4**
Number of book chapters authored: **3**
Acting as reviewer for: **8** Journals
Editorial board member for: **3** Journals
Number of awards/achievements: **8**
Patents/Copyrights: **4/2**
Number of certifications: **20**
Number of Professional membership's: **04**

EDUCATION

2015- Doctor of Philosophy - Ph.D

Electronics and Communication Engineering
Sri Venkateswara University, Tirupati.

2001- Master of Technology - M.Tech

Electronics and Communication Engineering,
Sri Venkateswara University, Tirupati.

1999- Bachelor of Technology - B.Tech

Electronics and Communication Engineering,
KSRMCE, Kadapa,
Sri Venkateswara University , Tirupati.

TEACHING EXPERIENCE - 23 YEARS

**Current Position – Professor & HOD, Dept of ECE,
K.S.R.M College of Engineering, Kadapa.**

ACHIEVEMENTS

AS AN ADMINISTRATOR

- Instrumental in effective implementation of Key Result Areas (KRAs)
- Achieved 110% of Key Result Areas allotted to the Department for 2023.
- 10 annual research and publication awards were achieved by our team out of 23 announced
- Implemented strategies to increase the number of citations in top 25 percentile journals
- Acted as a driving force to achieve NBA successfully at department level as well as at institution level
- Implemented effective strategies to improve the number of publications and its quality
- Enlightened the faculty members on proper selection of stream specific and interdisciplinary journals to publish their research work, which results in the enhancement of research scores in rankings and accreditations (NIRF)

AS A PROFESSOR

- Published 20 articles in SCOPUS indexed journals and conferences in the last three years
- Published 7 patents and 1 copyright in last three years
- Excelled twice as a topper of the NPTEL courses in the area of Innovation and Entrepreneurship
- Certified Innovation Ambassador by MoE, GOI
- Certified International Engineering Educator by IUCEE

ADMINISTRATIVE EXPERIENCE

- Head of the Department of ECE and EIE, Mohan Babu University, Tirupati
- Chairman, Board of Studies of ECE and EIE, Mohan Babu University, Tirupati
- Head of the Department of ECE, RCEW, Kurnool
- Head of the Department of BME, NEC, Nellore
- Member, Academic council
- Member, Purchase Committee, Mohan Babu University, Tirupati

RESEARCH EXPERTISE

- Medical Image Processing
- Design and development of Computer Aided Diagnosis (CAD) tools
- Teaching-Learning, ICT tools

WORK EXPERIENCE

Professor in Department of ECE

- Mohan Babu University (erstwhile Sree Vidyanikethan Engineering College), Tirupati, September 2021 to till date.
- Ravindra College of Engineering for Women, Kurnool, From June 2020 to August 2021.
- G Pullaiah College of Engineering and Technology, Kurnool, From February 2016 to August 2020.
- Sreenivasa Institute of Technology and Management Studies, Chittoor, From July 2010 to January 2016.

Associate Professor in department of ECE

- Sreenivasa Institute of Technology and Management Studies, Chittoor, From November 2008 to June 2010.
- Narayana Engineering College, Nellore, From June 2004-November 2008.

Assistant Professor in department of ECE

- Sreenivasa Institute of Technology and Management Studies, Chittoor, From September 2001 to June 2004.

UNIVERSITY - RATIFICATION

- **2016- Professor**, Electronics and Communication Engineering, J.N.T. University Anantapur, Ananthapuramu.
- **2009- Associate Professor**, Electronics and Communication Engineering, J.N.T. University Anantapur, Ananthapuramu.
- **2002- Assistant Professor**, Electronics and Communication Engineering, J.N.T. University Hyderabad, Hyderabad.

AUTHOR PROFILE LINKS

1. **Google scholar:** <https://scholar.google.com/citations?user=TCDYhgQAAAAJ&hl=en>
2. **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=55787076900>
3. **Publons:** <https://www.webofscience.com/wos/author/record/Y-1668-2019>
4. **Orcid:** <https://orcid.org/0000-0003-3114-0463>

BOOKS AUTHORED

1. **Electronic Circuits-**, SIP International Publishers, ISBN Number: 9789356251878, July 2022.
2. **Morphology Based Approach for Segmentation and Classification of Lung Abnormalities – A GUI**, LAP Lambert Academic Publishing, ISBN Number: 9786138910701, 2019.
3. **Color CT Lung Image Restoration**, LAP Lambert Academic Publishing, ISBN Number: 978365974626, 2015.
4. **ROI Segmentation on DICOM Images in Noisy Environment – A CAD Approach** LAP Lambert Academic Publishing, ISBN Number: 9783659795084, 2015.

BOOK CHAPTERS

1. **Role of a Teacher – ICT and its effect on Pedagogy of Teaching and Learning**, IOR publications, Page No 162-167, DOI 10.34256/iorip19135, 2019.
2. **Effect of Noise on Segmentation Evaluation Parameters**, Soft Computing: Architecture and Applications Book series SOCTA 2019, CRC Press, Taylor & Francis, ISBN 9781771880473,2020.

3. **Becoming a Change Maker by Reinventing Education During, Epidemic, Pandemic and Outbreak of COVID-19**, IOR publications, Nov 14, 2020.
4. Kishore, V. Vijaya, and R.V.S. Satyanarayana. **"GUI-CAD Tool for Segmentation and Classification of Abnormalities in Lung CT Image."** Research Anthology on Improving Medical Imaging Techniques for Analysis and Intervention, edited by Information Resources Management Association, IGI Global, 2023, pp. 686-705. <https://doi.org/10.4018/978-1-6684-7544-7.ch034>.

REVEIWER IN JOURNALS

1. **IEEE Transactions on Medical Image Processing**, IEEE Press.
2. **IEEE Journal of Biomedical and Health Informatics**, IEEE Press.
3. **Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization**, Taylor and Francis Group.
4. **The Imaging Science Journal**
Imaging Science Group of The Royal Photographic. Society, Maney Publishing's, UK.
5. **International Journal of Biomedical and Clinical Engineering (IJBCE)** IGI Global Publications, USA.
6. Adhoc Reviewer for **International Journal of E-Health and Medical Communications (IJEHMC)** IGI Global Publications, USA.
7. **International Journal of Intelligent Systems and Applications in Engineering.**
8. Acted as Reviewer for **Third International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT - 2018).**
9. Expert reviewer for **Academic Exchange Information Centre.**

PATENTS/COPYRIGHTS

1. Copyright on **An Innovative Method for Improving Online Education System and Education Skill Teaching Evaluation System Through the Use of Artificial Intelligence.** Diary no. 24315/2023-CO/L
2. Copyright on **A deep learning-based system for climate control of interior spaces of a building and method thereof.** Diary no. 25603-CO/L
3. Copyright on **Traditional Network Algorithms**, Dairy no. 13323/2022-CO/L.
4. **Crime Risk Forecasting using AI-Based Programming**, Patent No. 202241006900, Journal No. 35/2020, Published on 25/02/2022.
5. **Quantum Computing Integrated Development Education Environment Using IoT Based System**, Innovation Patent Australia. **Patent no. 2020103849.** Published and granted on 27th Jan 2021.
6. **A Novel method and system for human action Recognition using Difference Dept Motion Map and Convolution Neural Networks**, Patent No: 201941054742, Journal No. 35/2020, Published on 28-08-2020.
7. **Intelligent Virus Detection Biochip**, Patent No: 202041023019. Published on 19-06-2020.
8. **Intelligent Process to Prevent Credit/ Debit Card Fraud Using Machine Learning**, Patent No: 202041035253A. Published on 11th Sep 2020. Journal No. 37/2020.

FUNDING SCHEMES

1. **Under review** Large grant proposal to Spencer Foundation, USA in collaboration with **Amrita Vishwa Vidyapeetham (University), Chennai campus.** Project proposal (ID# 10045753).
2. **AICTE scheme Grant for Organizing Conference. Amount Rs.1,65,033.**
Title: National Conference on Technology for Impactful and Sustainable Development of the Society.

AWARDS/ACHEIVEMENTS

1. Received “**The Chancellor’s Award of Excellence – Research and Publication Award, 2023**” from Mohan Babu University, Tirupati.
2. **Topper** of the NPTEL course **INNOVATION by DESIGN-81%** (Jan-Feb 2023).
3. Received **IRSD Preeminent Educator Award 2022** by I2OR, registered MSME with Ministry of MSME, Govt of India.
4. **Topper** of the NPTEL course **Understanding Incubation and Entrepreneurship-87%** (Jan-Apr 2022).
5. Received **National Innovative Educator Award 2021** by I2OR, registered MSME with Ministry of MSME, Govt of India.
6. Received **Academic Excellence-Head of the Department** by Institute of Engineers India and FCRI, Vashi on January 16th 2021.
7. **Outstanding faculty In Engineering In ECE** July 6th from 5th Contemporary Academic Meet – CAM 2019, Venus International Foundation, Chennai. India.
8. **Adarsh Vidya Saraswathi Rashtriya Puraskar**, 1st June 2019.
9. **Best Teacher**, June 2019, Global Management Council, Glacier Journal Research Foundation, Ahmedabad, India.

ASSOCIATION WITH PROFESSIONAL BODIES

1. Senior Member IEEE, #96098489
2. Fellow-IETE, F-502170
3. Member-IEI, M-1704944
4. Life Member ISTE, LM-43506

EDITORIAL BOARD MEMBER

1. International Journal of Biomedical and Clinical Engineering, IGI-Global publications, USA.
2. American Journal of Science, Engineering and Technology, Science Publishing Group, USA.
3. Glacier Journal of Scientific Research, Ahmedabad, India.

INTERNATIONAL JOURNAL PUBLICATIONS

Number of Publications: 30

1. Shetty, S.P., Shetty, M., Kishore, V. et al. *Trickle timer modification for RPL in Internet of things*. Soft Comput 28, 2621–2635 (2024). <https://doi.org/10.1007/s00500-023-09564-0>. (SCIE-Q2)
2. Manchala, A., & Kishore, V. V. *Advancements in Machine Learning and Data Mining Techniques for Collision Prediction and Hazard Detection in Internet of Vehicles*. Passer Journal of Basic and Applied Sciences, 6(1), 79-91 (2024). doi: 10.24271/psr.2023.403821.1342. (SCOPUS)
3. P. Sudhakar, **Dr. V. Vijaya Kishore**, *Next-Generation Multiplier Design for Ultra-Efficient Portable Electronics Using Graphene Nanoribbon Transistors and Ternary Logic*, Int. J. Electron. Commun. (AEÜ) 172 (2023) 154939, <https://doi.org/10.1016/j.aeue.2023.154939>. (SCIE-Q2)
4. T. Tirupal, V. Pandurangiah, Ajay Roy, **V Vijaya Kishore**, *On the Use of UDWT and Fuzzy Sets for Medical Image Fusion*, <https://doi.org/10.1007/s11042-023-16892-8>. (SCI-Q2)
5. **Vijaya Kishore V**, Kalpana V, Hemanth Kumar G, *Evaluating the Efficacy of Deep Learning models for Knee Osteoarthritis Prediction Based on Kellgren-Lawrence Grading System*, **e-Prime-Advances in**

Electrical Engineering, Electronics and Energy. (5) 2023.
<https://doi.org/10.1016/j.prime.2023.100266>. (SCOPUS)

6. **Kishore Veparala V**, Kalpana V, *Big Data and Different Subspace Clustering Approaches: From social media promotion to genome mapping*, **Salud, Ciencia y Tecnología**;3:413, 2023. DOI: <https://doi.org/10.56294/saludcyt2023413>. (SCOPUS)
7. K. Maheswari, M. L. Ravi Chandra, D. Srinivasulu Reddy, **V. Vijaya Kishore**, *Design of Three-valued Logic Based Adder and Multiplier Circuits using Pseudo N-type CNTFETs*, **International Journal of Electrical and Electronics Research (IJEER)**, Volume. 11, Issue. 2, 2023. DOI: <https://doi.org/10.37391/ijeer.110238>. (SCOPUS)
8. **V. Vijaya Kishore**, ShilpaSreya Batthala et al., *Knee Osteoarthritis Prediction Driven by Deep Learning and The Kellgren-Lawrence Grading*, **Proceedings of Engineering Sciences**. DOI: 10.24874/PES05.03.011. (SCOPUS)
9. V. Kalpana, M. Jayalakshmi, **V. Vijaya Kishore**, *Medical Image Forgery Detection by A Novel Segmentation Method With KPCA*, **Cardiometry Journal**, Issue. 24. November 2022, pp. 1079-1085, DOI: 10.18137/cardiometry.2022.24.10791085. (ESCI/WOS)
10. V. Kalpana, **V Vijaya Kishore**, K. Hemambaran, *Intra-Vascular Ultrasound Image Based Decision Support System for Coronary Plaque Classification*, **Cardiometry Journal**, Issue. 24. November 2022, pp:1065-1072. DOI: 10.18137/cardiometry.2022.24.10651072. (ESCI/WOS).
11. **V. Vijaya Kishore**, V.Kalpana, Shaik Shaul, B.K.Nagaraju, *GUI Tool for Detection and Analysis of Honeycomb ILD Pattern from Lung CT Images*, **Mathematical Statistician and Engineering Applications**, Vol. 71, No. 4, pp. 4426-4434, August 2022. DOI: <https://doi.org/10.17762/msea.v71i4.1032>.
12. **V. Vijaya Kishore**, V. Kalpana, *Application Tool for Assisting Diagnosis and Forecast Progression of Abnormality and Medical Condition of Patients*, **Cardiometry Journal**, Issue. 22, pp. 520-526, May 2022. DOI: 10.18137/cardiometry.2022.22.520526. (ESCI/WOS)
13. **V. Vijaya Kishore**, V. Kalpana, *Impact of Noise in the Quantification of ILD Patterns in Lung CT Images*, **International Journal of Future Generation Communication and Networking**, Vol. 14, No. 1, 2021, pp. 2758 – 2768. <http://sersc.org/journals/index.php/IJFGCN/article/view/36669>. (ESCI-WOS)
14. **V. Vijaya Kishore**, R.V.S. Satyanarayana, *GUI-CAD Tool for Segmentation and Classification of Abnormalities in Lung CT Image*, **International Journal of Biomedical and Clinical Engineering**, Volume 8, Issue 1, Article 2, pp. 9-13, 2019. DOI: 10.4018/IJBCE.2019010102. (UGC-CARE)
15. **V. Vijaya Kishore**, *Preliminary Quantitative Analysis of Lung Nodule Extraction from Noise Image*, **International Journal of Scientific Research**, Vol. 17(2), pp. 193-197, 2018. (UGC - CARE)

16. **V.Vijaya Kishore**, R.V.S. Satyanarayana, *Extraction Through Morphology Based Segmentation of Brain Abnormal Growth*, **Special Issue | RIET-17, International Journal of Trend in Research and Development**, pp. 522-524, Dec 2017. (UGC-CARE)
17. K.Divya, **V. Vijaya Kishore**, *BER Analysis Based on Convolutional Coded OFDM For Digital Image And Speech Transmission*, **Global Journal of Advanced Engineering Technologies**, Volume 5, Issue 2, 2016. (UGC-CARE)
18. K.Reddy Lahari, **V. Vijaya Kishore**, *A Modified ADMM Approach for Blind Deblurring of Color Medical Images*, **International Journal of Engineering Research and Technology**, Volume. 3, Issue. 12, pp. 51-57, December 2014. DOI : 10.17577/IJERTV3IS120139. (MENDELEY)
19. V. Sai Kumar, **V. Vijaya Kishore**, *Intensity and Texture Gradient Based Boundary Detection Algorithm for Medical Images*, **International Journal of Computer Trends and Technology**, Vol. 6, No. 4, pp. 219-225, December 2013.
20. K.Hamsini, **V. Vijaya Kishore**, *Reduction of Color shifts and Artifacts using a Spectral Interpolation Model Based Demosaicing Algorithm*, **International Journal of Innovative Research and Development**, Vol 2, Issue 10, pp. 262-268, October 2013, https://www.internationaljournalcorner.com/index.php/ijird_ojs/article/view/133962/93163.
21. **V. Vijaya Kishore**, R.V.S. Satyanarayana, *Performance Evaluation of Morphology Based Image Reconstruction Using Different Structuring Elements in the Presence of Noise*, **International Journal of Engineering Research and Technology**, Volume 2, Issue 7, pp. 554-559, July 2013. DOI : 10.17577/IJERTV2IS70359. (MENDELEY)
22. **V. Vijaya Kishore**, R.V.S. Satyanarayana, *A MATLAB Based GUI for Detection and Classification of Lung Nodules in CT Images*, **International Journal of Biomedical Research and Analysis**, Volume 4, Issue-1, pp. 1-3, May-June 2013.
23. **V. Vijaya Kishore**, R.V.S. Satyanarayana, *A Multi-functional Interactive Image Processing Tool for Lung CT Images*, **International Journal of Biomedical and Clinical Engineering**, Issue 2(1), Jan-June 2013. DOI: 10.4018/ijbce.2013010101. (UGC-CARE)
24. V.Kalpana, **V. Vijaya Kishore**, *Performance Study of Different Medical images based on Morphology in Noisy Environment*, **International Journal of Advance Research in Computer Engineering & Technology**, Vol 2, Issue 1, January 2013.
25. M.Obulesu, **V. Vijaya Kishore**, *A New Approach for Sharpness and Contrast Enhancement of an Image*, **International Journal of Advance Research in Computer Engineering & Technology**, Vol 1, Issue 4, pp. 158-168, June 2012.

26. T.Surendranath, V.Kalpana, **V. Vijaya Kishore**, *ROI Segmentation on DICOM Image in Presence of Noise Based on Morphology*, **I Manager Journal On Communication Engineering And Systems**.vol1, No.2, pp. 6-11, Feb-April 2012. (UGC) <https://doi.org/10.26634/jcs.1.2.1770>.
27. V.Kalpana, T.Surendranath, **V. Vijaya Kishore**, *Comparative Study Of Different Medical Images With Noise Based On Morphology*, **I Manager Journal On Communication Engineering And Systems**.vol.1,No.2, pp. 27-35, Feb-April 2012. (UGC) <https://doi.org/10.26634/jcs.1.2.1774>.
28. **V. Vijaya Kishore**, R.V.S. Satyanarayana, *A Modified Mathematical Morphology Based Approach for Medical Image Edge Detection and Restoration*, **IUP Journal of Electrical and Electronics Engineering**, Volume 5, No 2, pp. 72-80, April 2012.
(https://iupindia.in/1204/Electrical%20and%20Electronics%20Engineering/A_Modified_Mathematical_Morphology.html)
29. **V. Vijaya Kishore**, R.V.S. Satyanarayana, *Computer-Aided Diagnosis Tool for Honeycomb Detection by using Morphology and Wavelet Transform in Lung CT Images*, **IFRSA's International Journal of Computing**, Volume 2, Issue 2, pp. 429-434, April 2012.
30. **V. Vijaya Kishore**, R.V.S. Satyanarayana, *Comparative Study of Performance of Edge Detecting Methods on Medical Image in the Presence of Gaussian and Poisson Noise*, **International Journal on Electronic and Electrical Engineering**, Volume 05, No 7, pp. 13-18, June-August 2009.

INTERNATIONAL CONFERENCE PUBLICATIONS

Number of Publications: 24

1. V. V. Reddy S P, **V. V. Kishore**, S. Diwakaran, S. V and T. Jayakumar, "A Robust Design of Fault Nodes Identification and Recovery Model Over Wireless Sensor Network," 2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2024, pp. 1-7, doi: 10.1109/ICONSTEM60960.2024.10568749.
2. **V. Vijaya Kishore**, V. Kalpana and U. B. Dosapati, "Interpretation of KOA by KL Grading System using Deep Learning," 2024 10th International Conference on Communication and Signal Processing (ICCSP), Melmaruvathur, India, 2024, pp. 109-114, doi: 10.1109/ICCSP60870.2024.10544029.
3. **V. V. Kishore**, U. B. Dosapati, E. Deekshith, K. Boyapati, S. Pranay and V. Kalpana, "CAD Tool for Prediction of Knee Osteoarthritis (KOA)," 2024 10th International Conference on Communication and Signal Processing (ICCSP), Melmaruvathur, India, 2024, pp. 18-23, doi: 10.1109/ICCSP60870.2024.10544137.
4. **Vijaya Kishore V**, Kalpana V, B Harikrishna, *DFIR-Net: Convolutional neural networks with deep learning for content-based image retrieval*, 2023 IEEE Fifth International Conference on Advances in

- Electronics, Computers and Communications (ICAECC), 7th & 8th Sep, Reva University, Bengaluru. 10.1109/ICAECC59324.2023.10560230.
5. Kalpana V, **Vijaya Kishore V**, Hemanth Kumar G, *Enhanced Fusion Approach to Diagnose ILD and Improve Patient Outcomes*, 2023 Fifth International Conference on Advances in Electronics, Computers and Communications (ICAECC), 7th & 8th Sep, Reva University, Bengaluru. 10.1109/ICAECC59324.2023.10560074.
 6. **Vijaya Kishore V**, Kalpana V, Hemanth Kumar G, *Augmented Fusion Method for the Diagnosis of ILD and the Promotion of Better Clinical Results*, IEEE International Conference on Multidisciplinary Research in Technology and Management 2023, New Horizon College of Engineering, Bengaluru.
 7. Kalpana.V, **V. Vijaya Kishore**, Hari Krishna.B, *COVID-Net: COVID-19 detection and classification from Chest X-rays using DCNN*, 8th International Conference on Computing in Engineering and Technology (IC CET)-2023, 14th to 15th July, 2023, NIT, Patna. <https://doi.org/10.1049/icp.2023.1464>. (SCOPUS)
 8. S. R, S. Kavitha, N. Darwin, A. Titus, **V. V. Kishore**, and D. B. S, *Smart RFID: Experimental Evaluation of Secured Students Attendance Handling System Using RFID*, 2023 IEEE International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), 25th to 26th May 2023, Chennai, India, 2023, pp. 1-7, DOI: 10.1109/ACCAI58221.2023.10200716.
 9. **V. Vijaya Kishore**, V. Kalpana, M. Jayalakshmi, *Modified Support Vector Machine to Improve Diabetic Disease Prediction*, 2023 IEEE International Conference on Contemporary Computing and Communications (InC4), organized by Christ University, Bangalore, 21st to 22nd April 2023. 10.1109/InC457730.2023.10263029.
 10. P. Sudhakar, **Dr. V. Vijaya Kishore**, *Multi-valued logic circuit design using GNR FETs- A review*, International Conference on Emerging trends in ECE (ICETEC-2023), organized by RGM College of Engg, Nandyal, 15th to 17th April 2023.
 11. **V. Vijaya Kishore**, C. Naga Sai Varun Kumar Reddy, B. Dileep Kumar Reddy, B. Sushma, B. Swathi, *Improved DL-Driven Method for Identifying and Categorising Corona Pneumonia from Chest Radiographs*, International Conference on Advances and Innovation in Engineering and Sciences – (ICAIES-2023), organized by SITAMS, Chittoor on 12th to 13th April 2023. ISBN: 978-93-5891-642-3.
 12. V.Kalpana, **V. Vijaya Kishore**, R.V.S.Satyanarayana, *MRI and SPECT Brain Image Analysis Using Image Fusion*, 3rd International Conference on Mobile Radio Communications & 5G Networks, 5th to 6th August 2022, Organized by University Institute of Engineering & Technology, Kurukshetra University, Kurukshetra, https://doi.org/10.1007/978-981-19-7982-8_48.
 13. **Dr. V. Vijaya Kishore**, Mrs. V. Kalpana, Dr. I. Kumaraswamy, *Smart City Application of IoT Enabled Smart Bin Alerting System*, 3rd International Conference on Engineering Science Technology and Management (ICESTM-2022), July 2022, Organized by NEC, Nellore. ISBN: 9789391131579.

14. Mrs. V. Kalpana, **Dr. V. Vijaya Kishore**, *A Survey Paper on Big Data and Different Subspace Clustering Approaches*, 3rd International Conference on Engineering Science Technology and Management (ICESTM-2022), July 2022, Organized by NEC, Nellore. ISBN: 9789391131579.
15. K C T Swamy, **V Vijaya Kishore** et al., *Investigation of GPS Inconsistency and Correlation with SSN, Solar Flux (F10.7 cm) and Ap-index during Low and High Solar Activity Periods (2008-2014) Over Indian Equatorial Low Latitude Region*, IEEE Conference, 2021 International Conference on Intelligent Technologies (CONIT), June 2021, DOI: 10.1109/CONIT51480.2021.9498292
16. **Vijaya Kishore, V**, Kalpana, V. (2020), *Effect of Noise on Segmentation Evaluation Parameters*. In: Pant, M., Kumar Sharma, T., Arya, R., Sahana, B., Zolfagharinia, H. (eds) *Soft Computing: Theories and Applications. Advances in Intelligent Systems and Computing*, vol 1154. Springer, Singapore. https://doi.org/10.1007/978-981-15-4032-5_41, **SOCTA-2019**, 27 - 29 December 2019, NIT PATNA (Scopus)
17. **V. Vijaya Kishore**, V. Kalpana, *ROI Segmentation and Detection of Neoplasm based on Morphology using Segmentation operators*, Third International Conference on Emerging Trends in Electrical, communication and Information Technologies (ICECIT-2018), 20-22 December 2018, Organized by SRIT, Ananathapuramu. Published in Springer Nature in its Lecture Notes in Electrical Engineering (LNEE) Series, Volume 569, Sep 2019, https://doi.org/10.1007/978-981-13-8942-9_41. (Scopus).
18. V. Kalpana, **V. Vijaya Kishore**, K. Praveena, *A Common Framework for the Extraction of ILD Patterns from CT Image*, Third International Conference on Emerging Trends in Electrical, communication and Information Technologies (ICECIT-2018), 20-22 December 2018, Organized by SRIT, Ananathapuramu. Published in Springer Nature in its Lecture Notes in Electrical Engineering (LNEE) Series, Volume 569, Sep 2019, https://doi.org/10.1007/978-981-13-8942-9_42. (Scopus)
19. **V. Vijaya Kishore**, V. Kalpana, *Preliminary Quantitative Analysis of Lung Nodule Extraction from Noise Image*, 2nd **International Conference on "Recent Innovations in Engineering and Technology"**, From Dec 21st to 22nd 2017, Organized by Auroras Scientific, Technological and Research Academy, Hyderabad.
20. **V. Vijaya Kishore**, R.V.S.Satyanarayana. **International Union of Radio Science URSI-RCRS 2017**, *Performance Assessment of Morphological based Medical Image Reconstruction by Varying SEs and Edge Filters*, from March 1st to 4th 2017, Organized by NARL, Department of Space, Tirupathi, India.
21. **V. Vijaya Kishore**, R.V.S.Satyanarayana, *Performance Evaluation of Edge Detectors - Morphology Based ROI Segmentation and Nodule Detection from DICOM Lung Images in the Noisy Environment*, **2013 3rd IEEE International Advance Computing Conference (IACC)**, 1131-1137. 10.1109/IAdCC.2013.6514386. 22nd to 23rd February 2013

22. G.Jyothi, **V. Vijaya Kishore**, Dr.Cyril Prasanna Raj, *An Efficient Architecture for 3-D Discrete Wavelet Transform*, **International Conference on Emerging Trends in Engineering (ICETE-12)**, N.M.A.M. Institute of Technology, NITTE, 15th and 16th May 2012.
23. V.Kalpana, T.Surendranath, **V. Vijaya Kishore**, *Performance of ROI Segmented Medical Image format based on Watershed Transform in Presence of Noise*, **4th International Conference on Science, Engineering and Technology (SET)**, VIT University, Vellore, pp. 1725-1733, May 3-4, 2012.
24. V.Kalpana, **V. Vijaya Kishore**, T.Surendranath, *Comparative Study of Edge and Morphological Operators on DICOM in Noisy Environment*, **4th International Conference on Science, Engineering and Technology (SET)**, VIT University, Vellore, pp. 1328-1338, May 3-4, 2012.
25. **V. Vijaya Kishore**, K.V.Ramanaiah, *Facial Recognition Using Structural Mapping – A Frequency Domain Approach*, **International Conference on Recent Advancement and Applications of Computer in Electrical Engineering**, 23 – 25 March 2007, Bikaner, Rajasthan, India.

NATIONAL JOURNAL PUBLICATIONS

Number of Publications: 1

1. **V.Vijaya Kishore, R.V.S.Satyanarayana**, *Computer Aided Diagnosis Tool for Lung Nodule Detection by Using Morphology and Wavelet Transform*, **Journal of Innovations in Electronics & Communication (Special issue on Signal processing and communication techniques)**, Jan 2012.

NATIONAL CONFERENCE PUBLICATIONS

Number of Publications: 10

1. **V. Vijaya Kishore, V. Kalpana**, *A Review on Big Data and Different Subspace Clustering Approaches*, **AICTE sponsored National E-Conference on Technology for Impactful and Sustainable Development of the Society**, organized by G Pullaiah College of Engineering and Technology, Kurnool, 15th -16th December 2020.
2. **V. Vijaya Kishore, R.V.S. Satyanarayana**, *Extraction Through Morphology Based Segmentation of Brain Abnormal Growths*, **National Conference on Recent Innovations in Engineering and Technology**, on 15th and 16th December 2017 sponsored by Science and Engineering Research Board, Department of Science & Technology, New Delhi and organized by G Pullaiah College of Engineering and Technology, Kurnool.
3. V.Kalpana, **V. Vijaya Kishore**, *Comparing of Edge Detection Methods with DICOM Medical Image In Presence of Poisson and Speckle Noise Based on Correlation and Signal to Noise Ratio*, **National conference on Recent trends in computing, image processing and network topologies**, 23-24th March 2012.

4. V.Kalpana, **V. Vijaya Kishore**, *A Comparative Performance Study of Edge Detecting Methods on Medical Image in Presence of Salt & Pepper, Speckle Noise*, **National conference on Latest trends in electronics and communication engineering**, 14th March 2012.
5. M.Obulesu, **V. Vijaya Kishore**, *Generalized Median Unsharp Masking Algorithm for Real Time Images*, **National Conference on Advances in Information, Communication and Networking Technologies**, Sri Vidyanikethan Engineering College, Tirupathi, 18th -19th May 2012.
6. V.Kalpana, **V. Vijaya Kishore**, T.Surendranath, *Performance Study of Edge detecting Methods on Medical Image in Presence of Gaussian and Poisson Noise*, **National Conference on Emerging Trends in Electronics and Communication Technologies (NCECT-12)**, J.N.T.U.Anantapur College of Engineering, Anantapur, pp. 190-195, 28th March 2012.
7. **V. Vijaya Kishore**, R.V.S.Satyanarayana, *Computer Aided Diagnosis Tool for Lung Nodule Detection by Using Morphology and Wavelet Transform*, **National Conference on Emerging Trends in Communications and Signal Processing Techniques**, S.V.University, Tirupathi, January 21st 2012.
8. **V. Vijaya Kishore**, R.V.S. Satyanarayana, *Performance Evaluation of Edge Detecting Methods on Medical Image in the Presence of Gaussian Noise*, **National Workshop on Signal Processing and Applications**, S.V. University, Tirupathi, August 7th – 8th 2009.
9. **U.SivaPrakash, V. Vijaya Kishore, R.V.S.Satyanarayana**, *Design and Development of Wireless Corrosion Monitoring System*, **Zonal Seminar on Communications and Information Technologies (CIT-2008)**, S.V. University, Tirupathi, September 9th -10th 2008.

CERTIFICATIONS

Number of Certifications: 20

1. Certificate of **SILVER + TOPPER** for **NPTEL** course Innovation by Design (Jan – Feb 2023).
2. Certificate of **ELITE** for **NPTEL** course Understanding Design (Jan – Feb 2023).
3. Certificate of **ELITE** for **NPTEL** course Design Thinking – A Primer (Aug – Sep 2022).
4. Coursera Certificate of Completion in 5 courses related to Innovation and Entrepreneurship.
5. Completed **Innovation Ambassador** training ‘Foundation Level’ conducted by MoEs innovation cell and AICTE during the calendar year 2021-22.
6. Completed IUCEE- **International Engineering Educators Certification Program (IIEECP)**, Jan – Jun 2022 with Distinction.
7. Certificate of **ELITE** for **NPTEL** course Outcome Based Pedagogic Principles for Effective Teaching (Feb – Mar 2022).
8. Certificate of **ELITE** plus **SILVER + TOPPER** for **NPTEL** course Understanding Incubation and Entrepreneurship (Feb – April 2022).
9. Certificate of **ELITE** for **NPTEL** course Patent Drafting for Beginners (Jan – Feb 2021).

10. Certificate of **ELITE** for **NPTEL** course Designing Learner Centric MOOCs (Jan – Feb 2020).
11. Certified Publons Academy Peer Reviewer, 23rd July 2019.
12. Certificate of A Nature Masterclasses online course completion on Focus on Peer Review by Springer Nature.
13. Certificate of Excellence from Elsevier Research Academy for successful completion of Fundamentals of Peer Review, 25th July, 2019.
14. Certificate of Excellence from Elsevier Research Academy for successful completion of Going Through Peer Review, 25th July, 2019.
15. Certificate of Excellence from Elsevier Research Academy for successful completion of Becoming A Peer Reviewer, 25th July, 2019.
16. **ELITE** certificate for **NPTEL** course Digital Signal Processing (Aug - Nov 2019).
17. Participation certificate as Faculty Mentor in DST and Texas Instruments India Innovation Challenge Design Contest powered by AICTE and NSRCEL, IIMB.
18. **ELITE** certificate for **NPTEL** course Digital Image Processing (July – Oct 2019).
19. **ELITE** certificate for **NPTEL** course Principles of Signals and Systems (Jan – Apr 2019).
20. **ELITE** certificate for **NPTEL** course Effective Engineering Teaching in Practice (Jan – Feb 2019).

CONTINUING EDUCATION

Number of Programs attended: 54

1. **NPTEL-AICTE** Faculty Development Program in **Innovation by Design** (Jan – Feb 2023).
2. **NPTEL-AICTE** Faculty Development Program in **Understanding Design** (Jan – Feb 2023).
3. PDP on Implementation of NEP-2020 for University and College teachers, Organized by IGNOU from 17th to 25th October 2022.
4. **NPTEL-AICTE** Faculty Development Program in **Design Thinking – A Primer** (Aug – Sep 2022).
5. **NPTEL-AICTE** Faculty Development Program in **Outcome Based Pedagogic Principles for Effective Teaching** (Feb – Mar 2022).
6. **NPTEL-AICTE** Faculty Development Program in **Understanding Incubation and Entrepreneurship** (Feb – April 2022).
7. Attended and certified AICTE Training and Learning (ATAL) Academy Online Advanced FDP on **"ARTIFICIAL INTELLIGENCE IN CONTEMPORARY BIOMEDICAL & HEALTHCARE APPLICATIONS: FUNDAMENTALS & HANDS ON MATLAB"** from 21st to 25th Feb 2022 at Gautam Buddha University, Greater Noida, U.P.
8. Attended **9th International Conference on Transformations in Engineering Education (ICTIEE 2022)** from 7th to 9th Jan 2022, organized by Indo Universal Collaboration for Engineering Education Foundation.
9. Attended three-day National Level Workshop on **"IPR Patents & Designs filing Process"** from 7th to 9th Dec 2021, organized by Sree Vidyanikethan Engineering College, Tirupathi.
10. Attended four days online workshop on **"Artificial Intelligence and Assistive Technologies for Enhancing Learning and Inclusive Education: Concepts, Recent Trends and Research Challenges"**, from 18th to 21st Nov 2021, organized by IIT, Bubhaneswar, VIT, Vellore and School of Science and Technology, Nottingham Trent University, UK.

11. Attended one-week online FDP on “Emerging Trends in Electronics, Communications and Networking” from 25th to 29th Oct 2021, organized by Sree Vidyanikethan Engineering College, Tirupathi.
12. Attended and certified AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **"Artificial Intelligence Applications in Medical Diagnosis"** from 04/10/2021 to 08/10/2021 at B.S Abdur Rahman Crescent Institute of Science and Technology.
13. Attended and certified AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **"Application of AI, ML and DL in Smart Healthcare"** from 27/09/2021 to 01/10/2021 at Maulana Abul kalam Azad University of Technology, WB.
14. Attended and certified AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **"Machine Learning in Medical Image Processing"** from 05/09/2021 to 09/09/2021 at Katihar Engineering College Katihar.
15. Attended AICTE sponsored online STTP on **"Machine Learning-Recent Trends and Applications" (Phase-I)**, from 10th to 15th May 2021, organized by Srinivasa Ramanujan Institute of Technology (Autonomous) Ananthapuramu.
16. Attended five-day FDP on **"Latest Trends in VLSI Design and Implementation using EDA tools"** from 6th to 10th April 2021 organized by Narayana Engineering College, Nellore.
17. Attended one week **"AICTE MARGADARSHAN Faculty Development Program on Pre-qualifier and SAR filling for NBA accreditation"** from 15th to 20th Feb 2021, organized by IARE, Hyderabad.
18. One-week Faculty Development Program on **"Statistics for AI and Machine Learning"** from 2nd to 7th Nov 2020 organized by GPCET & RCEW Kurnool.
19. One-week Faculty Development Program on **"Advances in signal processing and Artificial Intelligence Technologies"** from 6th to 10th July 2020 organized by G Pullareddy Engineering College, Kurnool.
20. IEEE Webinar on **"Innovation in Antenna Design and Analysis"** IEEE APS (Delhi Section) & Council on RFID in collaboration with Amity University on 9th July 2020.
21. One-week Faculty Development Program on **"Artificial Intelligence (AI) and Machine Learning (ML)"** from 23rd May to 27th May 2020 organized by Institute of Aeronautical Engineering and Apply Volt Hyderabad.
22. One day webinar on **"Strengthening Research Capabilities Remotely: Empowering Indian Research on COVID-19"** on 23rd May 2020 organized by Department of Biotechnology, Govt. of India & Elsevier.
23. Five days Faculty Development Program on **"Digital knowledge series 2020-Season 5, The future of Education, Employment & Entrepreneurship"** from 10th to 15th May 2020 organized by ICT Academy.
24. One day webinar on **"Research workflows, Research metrics & Excellence"** on 12th May 2020 organized by AICTE & Elsevier.
25. Five days Faculty Development Program on **"Digital knowledge series 2020-Season 4, The future of Education, Employment & Entrepreneurship"** from 04th to 08th May 2020 organized by ICT Academy.
26. Five days Faculty Development Program on **"Knowledge sharing session on Recent trends in Electronics"** from 03rd to 07th May 2020 organized by St.Martins Engineering College, Secunderabad.

27. One Week Faculty Development Program on “**AI and Machine Learning**” from 23rd to 27th Dec 2019 organized by E&ICT, IIT Roorkee by MeitY, Govt. of India at St.Martins Engineering College, Secunderabad.
28. AICTE sponsored One Week Short Term Training Programme on “**Challenges and Research Avenues in Signal & Image Processing**”, from 11th to 16th Nov 2019 at Sree Vidyanikethan Engineering College, Tirupathi.
29. One-week Faculty Development Programme on “**Internet of Things**”, organized by E & ICT academy, National Institute of Technology, Warangal at G Pullaiah College of Engineering and Technology, Kurnool, from 17th June to 22nd June 2019.
30. NPTEL-AICTE Faculty Development Program in **Effective Engineering Teaching in Practice** (Jan-Feb 2019).
31. 3-day International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT 2018), Organized, by SRIT, Anantapur, India, from Dec 20th to 22nd, 2018.
32. AICTE approved **FDP101X - Foundation Program in ICT for Education** conducted by **IIT BombayX Foundation Program in ICT for Education**, Sep 18th to Oct 18th, 2018.
33. AICTE approved **FDP201X - Pedagogy for Online and Blended Teaching-Learning Process** conducted by **IIT BombayX Foundation Program in ICT for Education**, Oct 30th to Dec 13th 2018.
34. Two days Faculty development program on “**Designing Experiments with Analog Discovery Kit**”, organized by Department of Electronics and Communication Engineering, GPCET, Kurnool, India from 14th to 15th April 2018.
35. Three days “**IUCEE International Engineering Educator Pre-Certification Workshop**”, on 8th, 9th, and 10th February 2018 organized by IUCEE and G Pullaiah College of Engineering and Technology, Kurnool, India.
36. Certificate of Achievement for successful completion of NI Lab VIEW Core 1 & Core 2 course conducted by GPCET, Kurnool from 22nd to 26th May 2017.
37. Participated in 104th Indian Science Congress held at S.V.University, Tirupathi, 3rd to 7th Jan 2017.
38. Three days’ workshop on “**Outcomes Based Education for Center of Excellence in Engineering Education**”, on 26th and 27th November 2016 organized by CEEE, Bengaluru and G Pullaiah college of engineering and technology, Kurnool, India.
39. A two-day workshop on “**Digital Image Processing, Pattern Recognition and Its Applications**”, on 19th and 20th September 2016 conducted by JNTUCE, Pulivendula.
40. One day workshop titled “**Awareness on Creating Centers of Excellence**”, on 26th June 2015 conducted by **JNTUA College of Engineering**, Ananthapuramu.
41. Two weeks ISTE Workshop under National Mission on Education through ICT (MHRD) on “**Signals and Systems**” conducted by **IIT Kharagpur**, from 2nd to 12th January 2014.
42. International Conference on Science, Technology and Management (ICSTM-Sep 2013), on 27th and 28th September 2013. SITAMS, Chittoor.
43. Two weeks ISTE Workshop under National Mission on Education through ICT (MHRD) on “**Analog Electronics**” conducted by **IIT Kharagpur**, from 4th to 14th June 2013.
44. Two weeks ISTE Workshop under National Mission on Education through ICT (MHRD) on “**Database Management Systems**” conducted by **IIT Kharagpur**, from 21st to 31st May 2013.
45. One day Workshop on “**Corporate Communications for Placements**”, **J.N.T.University**, Ananthapuramu, 28th March 2012.

46. One day National level Workshop on “**Smart Grid Technologies – Issues and Challenges**”, S.V.University College of Engineering, Tirupathi, 20th August 2011.
47. Two weeks ISTE Workshop under National Mission on Education through ICT (MHRD) on “**Basic Electronics**” conducted by **IIT Bombay**, from 28th June to 8th July 2011.
48. Two-day National level workshop on “**Emerging Trends in Embedded Systems**”, Narayana Engineering College, Nellore, 23rd - 24th March 2011.
49. One day Workshop on “**XILINX Tools**”, Narayana Engineering College, Nellore, 16th February 2010
50. National workshop on “**Embedded Systems**”, S.V.University College of Engineering, Tirupathi, 24th - 25th October 2009.
51. National workshop on “**Signal Processing and Applications**”, S.V.University College of Engineering, Tirupathi, 7th - 8th Aug 2009.
52. Two-day workshop on “**E-Swecha**”, J.N.T. University, Hydereabad, 30th to 31st Jan 2008.
53. One day workshop on “**Emerging Trends in VLSI Design**”, S.V.U.C.E, Tirupati, 23rd July 2007
54. Workshop on “**Design of sensor Based Embedded System using 8051**” M.V.S.R.E.C, Hyderabad on 4th& 5th Dec 2006.

NOTE WORTHY MENTIONS

1. Currently working as **Professor and Head of ECE department**, Mohan Babu University (MBU), Tirupati.
2. **EC member of IETE**, Tirupati local Centre.
3. **BOS** member, Vemu Institute of Technology, Chittoor.
4. **IUCEE** International Engineering Educators Certification (IIEECP) with Distinction, Spring 2022.
5. Established **IETE Students Forum (ISF) with 271 student members** in MBU and inaugurated on 03-11-2022.
6. Worked as **HOD** of ECE department, Ravindra College of Engineering for Women, Kurnool.
7. Institute level and department coordinator for **NBA**, Ravindra College of Engineering for Women, Kurnool and awarded 3 years.
8. Department coordinator for **NBA**, G.Pullaiah College of Engineering and Technology, Kurnool.
9. Mentored 15 students and got **ELITE** grade in NPTEL course on **Design Thinking-A Primer**.
10. Innovation Ambassador, IIC.
11. Resource person for **Start-Up Through Design Thinking** organized by IIC, Ravindra College of Engineering for Women, Kurnool and IIC, SVEC on 25th July 2022.
12. Resource person for faculty training on **Design Thinking-A Human Centric Approach** organized by Sree Rama Engineering College, Tirupati on 20th June 2022.
13. As coordinator identified three socially relevant projects and uploaded in YUKTI portal and further submitted to IPR cell for patenting.
14. BOS member, School of Engineering, Dept of ECE, Mohan Babu University, Tirupati.
15. BOS member, Dept of ECE, Sree Vidyanikethan Engineering College, Tirupati.
16. Board of Studies member, Department of ECE, GPCET, Kurnool.
17. Member Secretary, Academic Council, GPCET, Kurnool.
18. Designed **COURSE WEBSITE** in CANVAS.INSTRUCTURE and MOODLES.
19. Knowledge of designing ICT based Teaching-Learning Pedagogy (Online & Blended mode of teaching, Online assignments and assessments, OERs etc.,).

20. Completed more than 50 modules in Elsevier Research Academy.
21. Attended webinars organized by IUCEE, IEEE, Web of Science.
22. **National advisory committee member** for International Conference on Recent Challenges in Engineering Science and Technology (ICRCEST 2K21), 9th to 10th April 2021, Organized by Ramachandra College of Engineering, Eluru, AP.
23. **Session Speaker** on the topic **Insights of Research Publication – Author and Reviewer Perspective** during five-day FDP on Recent Communication Tools and Its Applications on the organized by St. Martins Engineering College, Hyderabad on 22nd May 2020.
24. **SESSION CHAIR** for International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST-19) held on 5th& 6th July 2019 at Narayana Engineering College, Nellore.
25. **SESSION CHAIR** for International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT - 2018), Dec 19th to 22nd, SRIT Anantapur.
26. **PROGRAM COMMITTEE MEMBER** for the Third International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT - 2018), Dec 19th to 22nd, SRIT Anantapur.
27. National advisory board member for **ICRCET 2017 organized by Institute for Engineering Research and Publication (IFERP)**.
28. **Reviewer for Electronic Devices and Circuits** by Dr.S.Salivahanan, N.Suresh Kumar, Mr. Satyabrajith, McGraw Hill Publications, 4th Edition 2009.
29. **Reviewer for Electronic Circuit Analysis** by, Dr.S.Salivahanan, N.Suresh Kumar, McGraw Hill Publications, 4th Edition 2009.
30. **Reviewer for Analog Electronic Circuit** by, Dr.S.Salivahanan, N.Suresh Kumar, M.Surya Prakash Rao, McGraw Hill Publications, 4th Edition 2009.
31. Established Laboratories **UG:** Electronic Devices and Circuits, Digital Signal Processing, Microprocessor, Embedded Systems. **PG:** Communication Lab I, Communication Lab II, Digital Image Processing.
32. Worked as Head, Department of Biomedical Engineering in Narayana Engineering Collège, Nellore, from June 2004 to February 2006.

PERSONAL DETAILS

Name : V. VIJAYA KISHORE
 Date of Birth : 21-06-1978
 Gender : Male
 Marital status : Married
 Address : Flat No. 401, Sai Srinivasa Apartment, Viswanatha Nagar,
 Opp Ramee Guestline Hotel, Bankers Colony, Tirupati – 517501.
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PROFESSIONAL REFERENCE

Dr.R.V.S.Satyanarayana,

Principal & Professor in ECE,

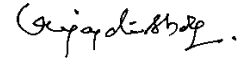
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DECLARATION

I submit that all the above information is factually correct and true to the best of my knowledge and belief.



Dr. V. Vijaya Kishore