Kanchan S. Gorde (Pursuing   **PhD)**

Assistant Professor

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Professional Qualification:

- ➤ **Pursuing Ph.D in Electronics & Telecommunication Engineering, admission-2020**
  Sipna College of Engineering & Technology, SGBAU-Amravati, Maharashtra

- ➤ **Master of Digital Electronics, 2009**
  Sant Gadge Baba Amravati University, Maharashtra

- ➤ **Bachelor of Electronics & Telecommunication Engineering, 2004**
  Govt. College of Engineering, Amravati University, Amravati, Maharashtra

- ➤ **Diploma in Electronics Engineering, 2001**
  Dr. P.D.Polytechnic, MSBTE, Amravati, Maharashtra

Short Biodata:

Kanchan Gorde is an Assistant Professor in the department of Electronics Engineering at Terna Engineering College with 17+ years of experience of teaching. Specializing in Embedded and VLSI Design Circuit uses that experience to teach and motivate students to enhance their skill for real world applications. Received NPTEL Discipline star recognition award and also Certificate of Excellence for ICT for Education-Teaching Learning process from MHRD-IITB. Also publish papers in International journals and international and national conferences and receive Best Paper Award in OTCON 2.0, 2023.

Patents/ Products/ Consultancy: Patent

  Products Developed: Not Yet

Patents:

1. S.Roy, H. Lature, P. Wankhedkar,K. Virk, R. Raman, K.S.Gorde, R. Meenakshi, P.Dadheech, P.Kalita R.Amin, "System to assess and identify the casualty of the wound tissue using AI", Application No.202221069895 A, Publication Date : 30/12/2022

Consultancy Projects: NO

Citation Analysis:

24 citations (h-index 3 and i10-index 1) in google scholar

List of Publication:

Journal Publications:

1. Kanchan Gorde and Dr. A.A. Gurjar, "Recent Automated Hard Exudates Detection Systems in Diabetic Retinopathy", Scopus Indexed -Natural Volatile and Essential Oils, ISSN: 2148-9637, Volume 8 Issue 5, pp: 7619-7630, 2021.

2. Kanchan Gorde and Neha Mahdik, "Face Detection for Identification Management System using AI", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, ISSN: 2320-3765, Volume 9 Issue 12, December 2020.

3. Kanchan Gorde and Dr. A.A.Gurjar, " Review on Single Image dehazing", International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, ISSN: 2321-2004, Volume 7, Issue 12, pp: 1-3, December 2019.

4. Kanchan Gorde and Sara Begum, "Improving In Clustering Based MANET Using Neighbor Knowledge To Reduce Overhead", Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Volume: 5 Issue: 8 pp: 872-877, August 2018.

5. Kanchan Gorde and Sara Begum, "Neighbor Coverage Rebroadcast Reduced in MANET Using Zone Based Group Mobility" International Journal of Engineering Development and Research, ISSN: 2321-9939, Volume:6 Issue:3 pp :318-325, August 2018.

6. Kanchan Gorde, "Raspberry Pi powered Magic Mirror", International journal of Advanced Research in Electrical, Electronics and Instrumentation Engg., ISSN: 2320-3765, Vol.6, issue 12, pg 8824-8827, December 2017.

7. Kanchan Gorde and Sara Begum, "Reducing Routing Overhead in Mobile Ad Hoc Networks by Neighbour Coverage-Based Probabilistic Rebroadcast" ,Int. Journal of Innovative Research in Computer and Communication Engineering, ISSN:2320-9801, Vol. 5 Issue 1, pp:1378-1381, February 2017.

8. Kanchan Gorde and Supriya Mangalpalli, "Device for Early diagnosis Autonomic Neuropathy" International Conference on Electrical, Electronics and Optimization Techniques, 978-1-4673-9939-5/16/$31.00@2016 IEEE, March 2016.

9. Kanchan Gorde and Ankita Baoney, "A Novel Codebook Technique for 3D Face Recognition" International Journal of Innovative Research computer and Communication Engineering, ISSN: 23209801 Volume 4, Issue 6, pp 10937-10943, June 2016.

10. Kanchan Gorde and Supriya Mangalpalli, "Wearable Device for Prognosis of Diabetic Autonomic Neuropathy "International Journal of Recent Trends and Innovation in Computing and Communication, ISSN: 2321-8169 , Volume 4, Issue 5, pp- 36-39, May 2016.

11. Kanchan Gorde and Ankita Baoney, "3D face recognition by using Codebook Generation Technique" International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering

, ISSN: 2320-3765,Volume 5, Issue 3,pp-1312-1317, March 2016.

12. Kanchan Gorde and Supriya Mangalpalli, "A review: Devices used for Detecting Diabetic Autonomic Neuropathy" International Journal of Science and Research, ISSN: 2319-7064, Volume 4, Issue 11, pp-381-384, November 2015.

13. Kanchan Gorde and Nishi Khan, "Video Steganography by using statistical key frame extraction method and LSB technique" International Journal of Global Technology Initiatives, ISSN: 2277-6591, Volume 4, Issue 1 October 2015.

14. Kanchan Gorde and Nishi Khan, "Data Security by Video Steganography and Cryptography techniques" International Journal of Emerging Trends in Electrical & Electronics, ISSN: 2320-9569, Volume 11, Issue 5, pp: 58-64, September 2015.

15. Kanchan Gorde and Nishi Khan, "Video Steganography by statistical features and LSB technique" International Journal of Advanced Research in Computer Science and Software Engineering, ISSN: 2277-128X, Volume 5, Issue 3, pp 97-100, March 2015.

16. Kanchan Gorde and Ankita Baoney, "Shape and Texture features based 3D Face Recognition", IOSR Journal of VLSI and Signal Processing (IOSR-JVSP) ,ISSN: 2319-4200, Volume 4, Issue 2, pp 1-5, March 2015.

17. Kanchan S.Gorde and Geeta Kavitake, "NFC Ticketing Mobile Services", IOSR-JEEE, No. 4, ISSN (Online):2278-1676, ISSN (Print):2320-3331, pg. no. 28-33, March-April-2014.

18. Kanchan S.Gorde and Trupti Lad, "Image Registration & Wavelet based Hybrid Image Fusion", IOSR-JVSP, ISSN (Online):2319-4200, ISSN (Print):2319-4197, pg. no. 01-05, March-April-2014.

19. Kanchan S.Gorde and Trupti Lad, "Wavelet Based Hybrid Image Fusion Using Pixel Rules", IJAERD, ISSN (Online):2278-9383, ISSN (Print):2250-1584, pg. no. 47-52,   Feb-2014.

20. Kanchan S.Gorde and Geeta Kavitake, "NFC Ticketing Mobile Services", IJCA-ICCT, No. 4, ISBN: 973-93-80877-85-8h, pg. 27-20, Oct-2013.

21. Kanchan S. Gorde and Dr.P.R.Deshmukh, "Design & Implementation of Ternary Combinational Circuits", IJ-ETA-ETS Vol. 3, Issue 1, ISSN: 0974-3588, pg. 238-244, Jan-2011.

Conferences and Workshops Publications:

1. Kanchan Gorde and Dr. A.A. Gurjar, "EVO-Based Optimization of Deep Learning Models for Diabetic Retinopathy Diagnosis", IEEE-OPJU International Conference on Emerging Technologies for Sustainable Development, February 8-10, 2023.

2. Kanchan Gorde and Dr. A.A. Gurjar, "A Comparative Analysis on Diabetic Retinopathy using Deep Learning and Nature based Optimization Algorithms", International Conference on Intelligent Systems, Advanced Computing and Communication, February 03–04, 2023.

3. Kanchan S.Gorde and Geeta Kavitake, "NFC Ticketing Mobile Services", ICETEA, March-2013.

4. Kanchan S.Gorde and Trupti Lad, "Pixel based hybrid Image Fusion", ICETEA, March-2013.

5. Kanchan S.Gorde, Alka Khade and Sneha Mane, "Remote Monitoring System based on Embedded Web Server", Nat. Conf. on Recent Advances & Challenges in Engg. & Mgt., pg. 12-16, March-2012.

6. Kanchan S. Gorde, M.B. Limkar and K. Chandwar, "Digital Vehicle Data Recorder", Nat. Conf. on Comm., Antenna & Signal Processing (CASP-2011) On 23 – 24, Dec- 2011 ,BATU,Lonere,Raigad.

7. Kanchan S.Gorde and Dr.P.R.Deshmukh, "Design & Implementation of Ternary Logic Combinational

Ckts", ICETE, Feb-2010.

8. Kanchan S.Gorde and Dr.P.R.Deshmukh, "Design & Simulation of Ternary Logic Based Arithmetic Ckts", ICSSA, Dec-2009.

9. Kanchan S.Gorde and Dr.P.R.Deshmukh, "Simulation of Ternary Logic Gates", ATEMT, Nov-2009.

10. Kanchan S.Gorde and Dr.P.R.Deshmukh, "Simulation of Integrated Ckts using Tri-Logic", IETE, Oct-2009.

11. Kanchan S.Gorde and Dr.P.R.Deshmukh, "Design & Simulation of Ternary Logic Based Full Adder", Zenith, Oct-2009.

Research and Scholarly Contributions:

- ➢ **M. E. Research**: Design and Implementation of Low Power Ternary Combinational circuits using Ternary Switches

Funding Received: NA

Software Tools:

1. SPICE simulators

2. Xilinx ISE, Vivado Design Suite

3. MultiSim Circuit Simulator

4. Microcontroller Emulators

Professional Association:

- ➢ Indian Society of Technical Education (ISTE) - Life Member

Experience:

- ➢ Teaching: 17+ years

Responsibilities Handled:

- ➢ Working for the NBA & NAAC certification for the department and college.

- ➢ Organized STTP and Orientation program.

- ➢ Working as Time Table Incharge.

- ➢ Worked as Class Advisor and mentored the students.

- ➢ Worked as organizing committee member for National Conference and STTPs

Talks/Guest Lectures Delivered: No

SESSION CHAIR/JUDGE: No

Declaration

I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Kanchan S. Gorde

Place: Navi Mumbai