



Name: Mrs. Snehalata C Puranik

M.Tech: VLSI & Embedded Systems

B.E. : Instrumentation Technology

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Designation: Assistant Professor in the **Dept. of Electronics & Computer Engineering** Department.

Experience: Teaching- 12 Years

Areas of Interest: VLSI Design and Technology, Digital Circuits, Power Devices & Circuits, Computer Networks, Microprocessor etc.

Conferences/Publications:

1. “Design and analysis of Passive switching crossbar memristors Arrays using MATLAB”- International Journal of Intelligent Systems and Applications in Engineering (IJISAE), ISSN-2147-6799 VOL. 12 NO.22S(2024).
2. “Vehicle Pollution Control Model Using Machine Learning And IOT Techniques”, IJMRSET, UGC Care 2024
3. “Photography Website with Booking System” IJMRSET (UGC Care) 2024.
4. “Block Chain Based Agriculture Supply Chain System”, IJMRSET (UGC Care) 2024.
5. “Investment Analysis Platform Using Fundamentals Data” IJMRSET (UGC Care) 2024.
6. “Enhanced Visual Proof Of Identity: Keystroke Tracking Robust System With Dual Keypad Security” IRJMETS (UGC Care) 2024.
7. “Robust Training Of Social Media Image Classification Models: A review” IRJMETS (UGC Care) 2024.
8. “Enhanced Visual Proof Identity; Keystroke Tracking –Robust System with Dual –Keypad Security.”

- International conference on Recent trends in management, engineering and technology ICMET-2025.
9. “Fundamentals Data-Driven Investment Analysis Platform”,IJETMS,VOL-09,ISSUE-03June 2025
 10. “Fundamentals Data Driven Investment Analysis platforms “International conference on recent trends in management, engineering and technology ICMET-2025.
 11. “Block chain Beyond Crypto currency-Unlocking Decentralized Solutions across Industries” IJSREM, volume 09, issue 04 April, 2025.
 12. “A survey Image compression using memristor based hardware accelerator”-Strad Research, Volume7, Issue 9, September -2020. (An UGC-CARE Approved Group-2 Journal).
 13. “Cryptographic System for Fingerprint Image Encryption and Decryption” International Conference, Conducted by ICECE 2013, IRD India Bangalore on 24th April 2013.
 14. “Lab view Based Cryptographic System for Fingerprint Image Encryption and Decryption” International Conference on Signal and Image Processing, By TCS Conducted at Bhopal on 11th & 12th June 2013.
 15. “FPGA Based Algorithm for Encryption and Decryption Of Fingerprint Image” International Conference, Conducted by SIT Tumkur Karnataka on 23rd March 2013.
 16. “FPGA Based Cryptographic System For Finger Print Image Using Chaotic Sequence Generator”, National Conference, NCIRTE, SMSE Nelamangala Karnataka on April 26th 2013.
 17. “An algorithm for encryption and decryption of finger print image” National Conference, Advance in signal processing, communication & networking, TEQIP-II-1.2, NCASPCN-2013, on 29th& 30th August 2013.

WORKSHOP/FDP:

1. Innovative Tools for Educators: Generative AI and advanced Excel Mastery from 13th to 18th Jan 2025.
2. Semiconductor fabrication technology 9th Dec to 14th Dec 2024 (5 days).
3. Institutional Development Plan (IDP) by Telengana council of higher education on 6th March 2025.
4. “Green energy for sustainable energy development” by PDDVP Loni 12th March to 13th March 2024.
5. “AI for students: Build your own Generative AI Model” by NXTWAVE on 10th November 2024.
6. “Advances in Engineering and Technology “by VACOE from 10th February to 14th February.
7. “Revolutionary AI: Blending Generative Power with Learning Machines” by VIT Pune, 16th December to 20th December.

CERTIFICATION COURSES:

1. “Code without barriers in AI concepts” training by Microsoft, Ratantata state skills university in Feb-march month 2025.
2. “National intellectual property awareness mission” IP India Awareness program on 13th December 2024.
3. “Image recognition basics for beginners” by simplilearn, skill up on 4th December 2024.

