

NAME : T SWAPNA RANI

QUALIFICATION: M.E (VLSI & ES DESIGN)

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DESIGNATION: ASSISTANT PROFESSOR

COURSES TAUGHT PREVIOUSLY:

UG: VLSI DESIGN, DIGITAL DESIGN THROUGH VERILOG HDL, SIGNALS & SYSTEMS, EMBEDDED SYSTEMS

PG: VLSI TECHNOLOGY & DESIGN, LOW POWER VLSI DESIGN, SYSTEM ON CHIP ARCHITECTURE, REAL TIME OPERATING SYSTEMS, ADVANCED OPERATING SYSTEMS.

VARIOUS LABORATORIES HANDLED:

UG: ECAD & VLSI LAB, BASIC SIMULATION LAB, DSP LAB, EDC LAB, HDL LAB, MPI LAB.

PG: EMBEDDED SYSTEMS LAB-2(PSOC)

PUBLICATIONS:

Journals:

1. The Design and Implementation of a Teacher-Student Interaction System Using ZIGBEE and Finger Print ISSN: 2278 –7798 International Journal of Science, Engineering and Technology Research (IJSETR) Volume 2, Issue 10, October 2013.
2. Design and Development of the Lab Remote Monitoring and Controlling System Based on Embedded Web Technology, International Journal of Engineering Trends and Technology (IJETT) – Volume 4 Issue 9 -Sep 2013.
3. POSITION CONTROL OF A DC MOTOR USING PID CONTROLLER, International Journal of Scientific Engineering and Applied Science (IJSEAS) - Volume-1, Issue-3, June 2015 ISSN: 2395-3470 www.ijseas.com
4. Design, Implementation and Simulation of CMOS Two Stage Operational Amplifier Using 45nm Technology, International Journal on Computing, Communications and Systems (IJCCS) ISSN: 2277-6699 Vol-4, Issue-2 (December-2015)
5. Implementation of Binary DAC and Two Step ADC Quantizer for CTDS using GPD45nm, International Journal of Research in Signal Processing, Computing & Communication System Design Volume 1, Issue 2 (December 2015)



Conferences:

6. X-10 based Home automation, Recent Advances in Communication Systems & Electrical Engineering (RACE – 2014), CMRCET, Hyderabad. (24th -25th JANUARY 2014)
7. Implementation of DWT for Image compression using SPIHT Algorithm, Recent Advances in Communication Systems & Electrical Engineering(RACE – 2014) , CMRCET, Hyderabad.(24th - 25th JANUARY 2014)
8. Real Time Vehicle Theft Decline system, International journal of Scientific Engineering & Technological Research,
ISSN 2319-8885 Vol.04, Issue. 03 February-2015, Pages: 0519-0522.
9. “GSM based remote sensing and control using FPGA”,*International conference on Electronics and communication Engineering*, Bangalore, October2011.
10. “Design and Implementation of USB device core for Embedded applications using FPGA”,
National conference Advances in communication Technologies, Gitam University, Vishakapatnam, January 2012.
- 11.“*Real-time Monitoring System for Soil Moisture Content Based on μ COS- II Operating System*”,
International Conference on Advancements in Engineering & Management, FEBRUARY 2013.