Assistant Professor

Education: M.Tech
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Mr. Rapolu saidulu has joined the institute in 2016.

WORK EXPERIENCE

- **Assistant Professor :**
  - Working as an Assistant Professor, Rajiv Gandhi University of Knowledge Technologies(RGUKT) Basar from **AUGUST 2016 - till date (5 years)**
- **Assistant Professor:**
  - Worked as an Assistant Professor, Sri Indu Engineering College (SIEC)–HYD from **April 2015 - AUG 2016**

RESEARCH PUBLICATIONS (03)

International Journals (02)

1. **R. Saidulu, A.** Sai Chaitanya; "Pre-encoded multiplier based on non-redundant radix-4 signed digit encoding"; **Anveshana's International Journal of Research in Engineering and Applied Sciences**, Volume 03. Issue 06, pp. 60-65, 2018, **ISSN 2455-6300**.
2. A. Sai Chaitanya**, R. Saidulu;** Comparative study of dsp architectures for wireless sensor nodes"; **Anveshana's International Journal of Research in Engineering and Applied Sciences**, Volume 03, Issue 06, pp.65-71, 2018; **ISSN 2455-6300**

International Conferences (01)

1. Surender M, Chandra Shekar K, Ravikanth K, **Saidulu R.** " **Automatic Identification of Bird Species from the Image Through the Approaches of Segmentation**," in the Technical Session Network Security/Image Processing of the 6th International Conference on Innovations in Computer Science &Engineering(ICICSE-2018),held during 17th-18th August,2018.

PROJECTS SUPERVISION (07)

1. Low power and Fast Full Adder By Exploring New XOR and XNOR Gates.(Bachelor's)
2. CMOS Telescope Cascode Operational Amplifier (Bachelor's)
3. Graph-Based Transistor Network Generation Method For Supergate design. (Bachelor's)
4. Data Encryption Using AES by Verilog. (Bachelor's)
5. The Mesochronous Dual-Clock FIFO Buffer. (Bachelor's)
6. Design of FPGA based 32-bit floating point arithmetic unit. (Bachelor's)
7. Design, Implemenation and comparision of 8-bit Vedic Multiplier Using Multiplexers and Logic Gates.(Bachelor's)

RESEARCH INTERESTS

- Low-Power VLSI Circuits.
- Nano Devices
- MEMS and Sensors
- Analog and Mixed Mode systems

SUBJECTS TAUGHT

B.Tech:

- Analog Electronic Circuits (E2-EC2201)
- Analog communications(E3-EC3101)
- Digital Electronic Circuits (E2-EC2202)
- Basic Electrical and Electronics Engineering (E1 1001/2001)
- Basic Electrical Engineering (E1-EE1002 & E1-EE1203)
- Signals & Systems (E2-EC2103)
- Digital signal processing.
- VLSI Engineering.

WORKSHOPS / SHORT TERM COURSES (07)

- One-week faculty development program**on "FUTURE NANO ELECTRONIC DEVICES & CIRCUITS"** organized by Department of Electronics & Communication Engineering, MGIT, Hyderabad from 6th to 10th July 2020.
- **TEQIP-III** sponsored Five Day Continuing Education Program on **"5G TECHNOLOGIES"** organized by the Department of Electronics and Communication Engineering, National Institute of Technology, Warangal from 14th to 18th May 2018.
- **TEQIP-II** sponsored six Day Continuing Education Program on **"INTERNET OF THINGS(IOT)"** organized by the Department of Electronics and Communication Engineering, National Institute of Technology, Warangal from February 27th to 04th March 2017.
- One-weekfaculty development program **on "Recent Trends in Control system Engineering"** Organized by Department of Electrical Engineering, NIT Patna under the banner of Electronics And ICT Academy, NIT Patna, held From 22nd to 28th June,2020
- One-weekfaculty development program **on "Recent Trends in VLSI Design"** Organized by Department of Electronics and Communication Engineering,Lakshmi Narain College of Technology &Science ,Bhopal MP from 22nd to 26th June,2020
- Short-term practical training and evaluations for **"Instructional Excellence in Intelligent Systems under the Intel College Excellence Program"** conducted by Rajiv Gandhi University of Knowledge technologies, Basar, From 1^{7th} -2^{0th} Sept, 2016.
- One-Day workshop on "**Designing Ternary Logic Gates using Furtheristic Nano Devices"**organized by Department of Electronics and Communication Engineering,Vidya Jyothi Institute of Technology,Hyderabad on 20th June 2020.

ADDITIONAL RESPONSIBILITIES & ACADEMIC ACHIEVEMENTS

Department Level Faculty in-charge/coordinator

- Incharge for General administration of Department level activities.(Mar2021-Till Date)
- Time table incharge (Mar2021-Till Date), Department of ECE, RGUKT, Basar.
- Sports Coordinator (2017-2018), Department of ECE, RGUKT, Basar.
- NAAC Coordinator (Jan 2021- Mar 2021), Department of ECE, RGUKT, Basar.
- Faculty Incharge for Analog Electronic Circuits Lab (Jan2021-Till Date), Department of ECE, RGUKT, Basar.
- Qualified in National Eligibility Test (NET)-2018.
- Qualified in GATE 2014.

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