

Faculty Profile



Name: Dr.MVN MADHAVI LATHA

Designation: Assistant Professor

Teaching Areas: Digital Electronics,Python, Data Communications,IoT

Research Interests: RNS, Artificial Intelligence

Education:

- Ph.D-Visvesvaraya Technological University,Belagavi,2023
- M.Tech-CVR College of Engineering,Hyderabad,2009
- B.Tech- Narasaraopeta Engineering College,Narasaraopet,2004

Research / Selected Publications:

1. M. V. N. Madhavi Latha, Rashmi Racch and P. V. Ananda Mohan, “RNS-to-Binary Converters for a Three-Moduli Set $\{2^{n+k}, 2^n-1, 2^{n-1}-1\}$ ”, *IETE journal of education*, vol. 58, no. 1, pp. 20-28, 2017.
2. M. V. N. Madhavi Latha, Rachh, R. Rachh, and P.V. Ananda Mohan, “An efficient residue-to-binary converter for the moduli set $\{2^{n-1}-1, 2^{n+k}, 2^n-1\}$ ” *2017 IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics*. doi:10.1109/primeasia.2017.8280351
3. M. V. N. Madhavi Latha, Rachh, R. Rachh, and P.V. Ananda Mohan, “PhD Forum 2018 – Residue-to-Binary converters for the moduli set”, *Proceedings of the 24th International Conference on Advanced Computing and Communications (ADCOM 2018)*.
4. M. V. N. M. Latha, R. R. Rachh and P. V. A. Mohan, "Residue-to-Binary converters for the seven moduli set $\{2^{n-5}-1, 2^{n-3}-1, 2^{n-2}+1, 2^{n-1}-1, 2^{n-1}+1, 2^n, 2^n+1\}$ for n even," *2019 IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia)*, 2019, pp. 37-40, doi: 10.1109/PrimeAsia47521.2019.8950721
5. MVN. Madhavi Latha, Rashmi R Rachh, P.V. Anada Mohan,” “Residue-to-Binary converter for seven moduli set $\{2^{n-5}-1, 2^{n-3}-1, 2^{n-2}+1, 2^{n-1}-1, 2^{n-1}+1, 2^n, 2^n+1\}$ for n Even” *sadhana journal* Sep. 2020.(Q2)
6. M. V. N. Madhavi Latha, Rachh, R. Rachh, and P.V. Ananda Mohan“Residue to Binary Converter for the extended four moduli set $\{2^k, 2^n-1, 2^n+1, 2^{n+1}+1\}$ for n odd *sadhana journal* feb-2023(Q2)

Research Projects:

- “INDO-KOREAN RESEARCH PROJECT- WIND TURBINES Collaborated with ARCHIMEDES GREEN ENERGYIS PRIVATE LIMITED” which was installed in GITAM Deemed to be University
- Involved in consultant work to a startup company wnp . The client is RCI, developing passive RADAR signal processing application (confidential)