Mr G. Sunil Kumar

Assistant Professor
Department of Electronics & communication Engineering
Raghu Engineering College, Visakhapatnam - 531162,Andhra Pradesh, INDIA
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Interests: Wireless Sensor Networks; Image Signal Processing; Signal Processing; Swarm Intelligence and Communications

Course Taught Previously

PG.
• Real Time Operating Systems

UG.
• Digital IC Applications.
• Switching Theory and Logic Design.
• Microprocessors & Microcontrollers
• Linear IC Applications
• Embedded Systems
• Radar Systems
• Satellite Communications
• **Laboratories Handled**
• DICA Lab
• MPMC Lab
• IOT Lab
• Digital Electronics Lab.

Publications
International Journals

1. G sunil kumar, G sahu, Mayank Mathur. "A modified grasshopper optimization algorithm based on levy flight for cluster head selection in wireless sensor networks". International Journal of Advanced Technology and Engineering Exploration, Vol 9(97).
2. T.S.Kavitha, A Vamsidhar, G Ramesh Babu, G.V.Sridar, G sunil kumar. "An Automated Facemask Detection For Covid-19 Using Viola-Jones Algorithm"

Journal of Pharmaceutical Negative Results ¦ Volume 13 ¦ Special Issue 9 ¦ 2022.

3. G Sunil Kumar, Emandi Bhaskar, Intruder Detection And Iot Smart Home Control System Using Raspberry Pi, International Journal of Research , Volume IX, Issue VIII, August/2020, ..,pp..114-121.

4. G Sunil Kumar, Y. V. S. Charan & Y. L. V. Santosh, Interactive Genitic Algorithm for Image Retrieval, International Journal of Management, Technology and Engineering, 8,12,2637-2645, Dec., 2018

5. G Sunil Kumar, D. Bhaskar Rao, Design of an N-Bit Extendable Ripple Carry Adder with Small Transistor Count Using STATIC CMOS Logic, International Journal of Advanced Research in Computer Engineering& Technology, Volume..6..Issue...7...,..July-2017..,pp..972.-..975.

6. G Sunil Kumar, D. Bhaskar Rao & M. Meena Kumari, Innovative Design of CMOS 8-bit Comparator using conditional tracking for low area, International Journal of Advanced Research in Computer Engineering & Technology, Volume..6..Issue...12...,..Dec-2017..,pp..1851.-..1855.

7. G Sunil Kumar, D. Bhaskar Rao & M. Meena Kumari, Design of 4-bit Carry look Ahead Adder with Logic Gates and Cells, International Journal of Advanced Research in Computer Engineering & Technology, Volume..7..Issue...1...,..Jan-2018..,pp..83..-..85..

Conference Proceedings

1. G Sunil Kumar, Y. V. S. Charan & Y. L. V. Santosh, Interactive Genitic Algorithm for Image Retrieval, Proceedings of the International Conference on Management, Sciences, Engineering and Applications ICMSEA (December 2018).

Additional Responsibilty
RESPONSIBILITIES WITHIN THE INSTITUTE

1. CRT Coordinator for IInd year ECE(2021 AB).
2. Class Coordinator for II-I(ECE-B/2021 AB/ ACY-2022-23)
3. NBA WORK CRITERIA 2.1.
4. Exam Cell Coordinator (ACY 2020-2021)
5. Class Coordinator for III-I(ECE-B/2019-20)
6. Class Coordinator for III-II(ECE-C/2019-20)
7. Cultural Coordinator for SPARKS(2019-20)
8. Class Coordinator for III-I(ECE-C/2018-19)
9. Class Coordinator for III-I(ECE-A/2017-18)
10. Class Coordinator for III-II(ECE-B/2017-18)

11. Y. V. S. Charan & Y. L. V. Santosh, Interactive Genitic Algorithm for Image Retrieval, Proceedings of the International Conference on Management, Sciences, Engineering and Ap