



Dr. Shaila Ghanti

Vice-Principal

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Mrs Shaila Ghanti is an Associate Professor of Department of Computer Science, Parvatibai Chowgule College of Arts and Science (Autonomous), Margao -Goa.

Research interests: Computer networks, Network security, and Embedded Systems, FPGA as SoC and NoC.

Completed two UGC sponsored minor research projects.

Subjects taught:

- Computer networking
- Operating Systems
- Computer Organization
- Distribute Operating Systems
- Information Technology
- Digital Electronics
- Analog Electronics
- Mathematical Foundations of Computer Science
- Computer Hardware Maintenance

Research papers Published:

► **Journal Papers:**

- S. Ghanti and G. M. Naik, "Efficient data transfer rate and speed of Secured Ethernet Interface System," *International Scholarly Research Notices*, accepted for publication, Hindawi Publication corporation 2016.
- Shaila Ghanti and G.M.Naik, "Security methods of servers against attack," *IOSR Journal of Engineering (IOSRJEN)*, vol. 06, no. 11, pp. 37-40, Nov 2016
- S. R. Ghant and G. M. G.m.naik, "Design of System on Chip for Generating SYN Flood Attack to Test the Performance of the Security System," *International Journal of Computer Applications*, vol. 122, no. 7, pp. 14-17, July 2015.

- S. R. Ghanti and G. M. Naik, "PROTECTION OF SERVER FROM SYN FLOOD ATTACK," *International Journal of Electronics and Communication Engineering & Technology (IJECEET)*, vol. Volume 5, no. 11, pp. 37-46, November 2014.
- S. R. Ghanti and G. M. Naik, "FPGA SYSTEM FOR PREVENTING TCP SYN FLOOD ATTACK," *IJVD*, vol. 3, no. 1, pp. 39-43, 2012.
- Sara Fatima Farida and Shaila Ghanti, "Radiation from ferrite filled aperture antenna" Published in "*Progress in Electromagnetics Research Symposium*" 1990, **Cambridge Massachusetts U.S.A.**

► **Conference Papers:**

- S. R. Ghanti and G. M. Naik, "Confidence building measure for efficient use of energy during communication using high performance Internet Server," in *National Conference on "Modern Approach for green Electronics and Computing"* Sponsored by University Grants Commission (UGC), 29th & 30th September 2014 ISBN 978-81-928732-2-0.
- S. R. Ghanti and G. M. Naik, "Experimental study about resource utilization of web server during the attack in the lab.," in *Interface 2014, a TEQIP-II sponsored two day 3rd International Conference On Network Infrastructure Management Systems*, Mumbai, June 27-28h 2014,
- S. R. Ghanti and G. M. Naik, "Enhancing the performance of server by using FPGA based SYN flood attack prevention," in *7th Annual National Symposium on "VLSI and Embedded System"*, Margao, 23rd February 2013
- S. R. Ghanti and G. M. Naik, "FPGA based Network Interface card with DDoS attack Defender," in *Interface 2011, International Conference On Network Infrastructure Management Systems*, Mumbai, December:16-17th, 2011, pp 15-18.
- Research paper entitled "Innovative method of providing attack proof model of authenticating user on a wireless network" has been accepted for presentation at **the 2009 world congress on Computer Science and Information Engineering (CSIE 2009), to be held from March 31st to April 2, Los Angeles /Anaheim, USA**
- Mrs. Shaila Ghanti "Secured model of authenticating the user On a wireless network" presented for the "Poster Session" during the **43rd Computer Society of India Annual Convention, 25th South East Asia Regional Computer Conference and 8th Edition of CONNECT, organized by Confederation of Indian Industry -Southern Region, 11-13 September 2008 Chennai Trade Center, Chennai; (Dr. T V Gopal) Anna University.**

- Mrs Shaila Ghanti and Mr V.C. Kumaresh, Research Paper entitled "Network Processor Intrusion detection Systems" was Presented in a **UGC sponsored national level seminar** on Emerging trends and developments in embedded systems at the national conference on 13th march 2007 at D.M.C. College, Mapusa , Goa , which was **adjudged as the best paper.**
- *Mr. V.C. Kumaresh and Mrs. Shaila Ghanti* "Merging CAN with IP" Presented a paper in National level U.G.C. seminar 2007, organized by D.M.C. College, Mapusa, Goa

Article

Article "Interface your printer with 8085 microprocessor " published in **Electronics For You Magazine, March 2001 Issue**

Workshop

- Resource person for the workshop on computer network to the faculty of other colleges in Goa in October 2010 in Chowgule college, Margao Goa.
- Attended one day workshop on 'PKI' conducted by C-DAC Bangalore October 2009 in International center, Goa*
- Attended two day workshop on 'Programming with Python' conducted by the FOSSEE project, IIT Bombay held on 31st October and 1st November 2009 at BITS Pilani Goa Campus.*
- Organized one day workshop on 24th Jan 2011 in S.P. Chowgule College for other college teachers in the subject of Computer networks. I worked as the resource person.*

Minor Research Project

1. Completed one minor research project 'Authentication of wireless network' Funded by UGC in 2007.

2. Completed Minor research project "Embedded System for network security" UGC approved and funded Minor Research Project No. File No:47-17771/10(WRO) 2011-2013
