

Dr. S. MANJULA GANDHI M.C.A., M.S., Ph.D.

Associate Professor

Department of Computing

Coimbatore Institute of Technology

List of Publications:

Journal:

1. Manjula Gandhi Selvaraj, Devi Shree Jayabal, Thenmozhi Srinivasan & Palanisamy Balasubramanie (2015), “Predicting Defects Using Information Intelligence Process Models in the Software Technology Project”, The Scientific World Journal, Impact Factor 1.73, Article ID598645, doi:10.1155/2015/598645.
2. Manjula Gandhi S., Devi Shree J., Venkatesh J. and Sathish Mohan S., (2015), “Business Data Intelligence: An Aid for Understanding the Changing Economic Scenario”, International Journal of Economic Research, Volume 12, Issue 1, pp. 169-179.
3. Manjula Gandhi S, Devi Shree J, Venkatesh J, Sathish Mohan S, “Quantum Query Complexity to determine Median of a Graph”, International Journal of Engineering Associates (IJEa), Volume 3, No. 8, August 2014, ISSN: 2320-0804, pp. 9-13.
4. Manjula Gandhi S, Devi Shree J, Venkatesh. J and Sathish Mohan S, “Quantum Query Complexity to determine Center of a Graph”, International Journal of Research in Computer Applications and Robotics (IJRCAR), Volume 2, Issue 8, August, 2014, ISSN: 2320-7345, pp. 01-07.
5. Manjula Gandhi S, Devi Shree J, Venkatesh. J and Sathish Mohan S, “Design of Reversible Circuits for Code Converter and Binary Incrementer”, International Journal of Information Technology & Mechanical Engineering (IJITME), Volume 1, Issue 4, July, 2014, ISSN: 2349-2865, pp. 24-33.
6. Manjula Gandhi S, Devi Shree J and Sathish Mohan S, “A New reversible SMG gate and its application for designing Two’s Complement Adder/Subtractor with Overflow Detection Logic for Quantum Computer based Systems”, Springer Advances in Intelligent Systems and Computing Series, volume 246, pp. 259-266, Jan 2014.
7. Manjula Gandhi S, Devi Shree J, “Design of Reversible code converters for quantum computer based systems”, International Journal of Computer Applications, ISBN 973-93-80872-

06-4, Number 3, pp. 27 - 30, <http://www.ijcaonline.org/proceedings/aicwic/number3/9879-1321>, Jan 2013.

8. Manjula Gandhi S. and Prabhakar R. “Quantum Query Complexity to determine radius of a Graph”, Paper published in i-manager’s Journal on Software Engineering, Vol. 2, No. 3, pp. 64-69, April-June 2008.

International Conferences:

1. Manjula Gandhi S, Devi Shree J, Sathish Mohan S (2014), “Design of Reversible Binary Coded Decimal Adder for Quantum Computer Based Systems”, International Conference on Emerging Trends in Engineering and Management, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore, 4th - 6 th , August, 2014.

2. Manjula Gandhi S, Devi Shree J, Sathish Mohan S (2013), “A New reversible SMG gate and its application for designing Two’s Complement Adder/Subtractor with Overflow Detection Logic for Quantum Computer based Systems”, International Conference on Computational Intelligence, Cyber Security and Computational Models, PSG College of Technology, Coimbatore, 19th – 21st , December 2013.

3. Manjula Gandhi S, Devi Shree J, Sathish Mohan S,(2013) “A New Reversible SMG gate and its application for designing Reversible Two’s Complement Adder/Subtractor”, 13th Asian Quantum Information Science Conference, The Institute of Mathematical Sciences, Chennai, August 25th -30th , 2013.

4. Manjula Gandhi S, Devi Shree J, Sathish Mohan S (2013), “Design of reversible adder/subtractor with overflow detection logic for Quantum computer based systems”, International Conference on Nanomaterials for frontier applications and Indo-Norwegian workshop on Advanced Materials for solar cell Applications, organized by Coimbatore institute of technology and Bergen University, College of Applied Sciences, Norway at Coimbatore Institute of Technology, Coimbatore, July 10th – 12th, 2013.

5. Manjula Gandhi S and Devi Shree J (2013), “Design of Reversible Code Converters for Quantum Computer based systems”, Second Edition of Amrita International Conference of Women in Computing, Dept. of CSE, Amrita Vishwa Vidhyapeertham, Coimbatore, January 9th -11th, 2013.

6. Manjula Gandhi S and Devi Shree J (July 2011), “Quantum Query Complexity to determine Center of a Graph”, International Conference on Nano Science & Nano Technology, Conducted by CIT & Research and Advanced Studies of IPN-Mexico at Coimbatore Institute of Technology, Coimbatore.
7. Manjula Gandhi S. and Prabhakar R. (2008), “Quantum Query Complexity to determine radius of a Graph” International conference on Quantum Information, Conducted by Institute of Physics, Bhubaneswar, Orissa from March 04th -12th, 2008.

National Conferences:

1. Manjula Gandhi S. and Prabhakar R. (2006), “Performance analysis of Quantum search algorithms for element distinctness problem”, National Conference on „Intelligent Integrated Control and Automation“, IICA2006, Conducted by Dept. of EEE, Coimbatore Institute of Technology, Coimbatore.
2. Manjula Gandhi S. and Prabhakar R. (2006), “A Discrete Quantum walk algorithm”, National Conference on Current Trends in Computer Technology, NCCTCT2006, Conducted by Dept. of CSE, SRM College of Science and Technology, Chennai.