

S.Gayathri

Designation : Assistant Professor
Nature of Employment : Regular
Qualification : M.Tech.
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Educational Background:

Degree	Discipline	Year of Passing	University
M.Tech	IT	2008	Sathyabama University, Chennai
M.Sc	CS	2004	University of Bharathidasan, Trichy
B.Sc	CS	2002	University of Madras , Chennai

Work Experience (Academic):

Designation	Institution	Duration	No. of Years
Assistant Professor	Jeppiaar Srr Engineering College	03.01.2008 To 30.11.2020	12.11 years
Lecturer	T.S.Narayanaswami College Of Arts And Science	14.6.2006 To 31.10.2007	1.4 years
Lecturer	M.V.J.Polytechnic Bangalore	26.7.2004 To 30.4.2006	1.9 years
Total			16 years

Lecture Courses:

- Oops
- Data Structures
- Computer Architecture
- Advanced Computer Architecture
- Programming In C
- Fundamental Of Computer
- Mobile Computing
- Ooad
- Compiler Design
- Theory Of Computation

Research Areas of Research Interest:

- Computer Networks

Research Publications:

International Journals / National Journals

- [1] S. Gayathri, R. Sabitha, "Multi-level Queue based Resource Allocation in Downlink of OFDMA Wireless Cellular Networks," **Indian Journal of Science and Technology**, vol.9(10), pp.1-6, March 2016.(scopus Indexed)
- [2] M. Gowrishankar, R. Charan Raj, S. Gayathri, "Integration of Big Data Technologies for Human Centric Wellness Data with Fingerprint Sensor," *International Journal of Advanced Research Methodology in Engineering & Technology*, Special Issue , pp.142-145, March 2017.
- [3] S. Gayathri, D. Pavithra, T. Sivaranjani, "A Productive Arrangement for Smart Card Based on Password-Authentication Using Key Agreement," *International Journal of Innovative Research in Computer and Communication Engineering*, vol.6, no.1, pp.458-463, Jan. 2018.
- [4] S. Gayathri, C. Jonisha, K. Keerthana, "Analysis Application to Detect Unaccustomed Activities using Cauchy Distributive Model," *International Journal for Science and Advance Research in Technology*, vol. 4, issue. 3, pp. 2539-2543, March 2018.
- [5] S.Gayathri, R.Sabitha, "Resource Allocation in downlink of LTE using Bandwidth prediction through Statistical Information", *Indonesian Journal of Electrical Engineering and Computer Science*, Vol.10, No.2, May 2018. (scopus Indexed)
- [6] S.Gayathri, P.Abirami,K.Bakiyalakshmi, "An Efficient Model for Detecting and Identifying Cyber Attacks in Wireless Networks," *International Research Journal of Engineering and Technology*,vol.6,issue.3 March 2019.
- [7] S.Gayathri, Porkodi Venkatesh, Pushpapiya Premkumar, "Voice Assistant for Visually Impaired", *International Journal of Engineering Science and Computing*, vol.9, issue.3, March 2019.

Conferences (National/International)

- [1] S. Gayathri, R. Sabitha, "A Survey on Resource Allocation in OFDMA Wireless Cellular Networks," Third National Conference on Future Computing (NCFC'14), Pondicherry University, Karaikal Campus, India, 13th February 2014.
- [2] S. Gayathri, R. Sabitha, "Strategic Planning of Resource Allocation in OFDMA Wireless Cellular Networks," Second National Conference on Advances in Computing and Technology, VIT University, Chennai Campus, India, 21th February 2014.
- [3] S. Gayathri, R. Sabitha, "Power Optimization in Downlink of OFDMA Cellular Networks," National Conference on Frontiers in Applied Sciences and Computer Technology, National Institute of Technology, India, 6th and 7th March 2015.
- [4] S. Gayathri, R. Sabitha, "A High Performance Resource Allocation Algorithm using Channel conditions in Downlink of OFDMA Networks," Seventh International Conference on Advanced Computing(ICoAC 2015), MIT Campus, Anna University India, 15th -17th December 2015.
- [5] R. Nivedha, R. Rajapriya, S. Gayathri, "Securely Preserving Collaborative Associative Rule Mining on Vertically Divided Databases," IEEE Sponsored International Conference on Science, Technology, Engineering and Management (ICONSTEM 2017), Jeppiaar Engineering College, India, 23rd and 24th March 2017.
- [6] S. Gayathri, L. Akash Chrisbin, S. Karthikeyan, "Web Based Real Time Monitoring of Soil Fertility and Crop Cultivation Suggesting System (IOT)," International Conference on Innovations in Engineering and Sciences (ICIES'18), Jeppiaar SRR Engineering College, India, 23rd and 24th March 2018.

- [7] S. Gayathri, D. Vetrivel, “A QoS Aware Resource Allocation Algorithm in Downlink of OFDMA Networks,” International Conference on Innovations in Engineering and Sciences (ICIES’18), Jeppiaar SRR Engineering College, India, 23rd and 24th March 2018.
- [8] S.Gayathri, Adhishri B, Mathu Bala N, “Pupil Detection Using Machine Learning Techniques for E-Learning Applications (N3CIT)”, T.J.S.Engineering College, India, 13th March 2019.

Certifications Obtained:

- Completed “Linux Training” organized by S.R.R Engineering College- Offered by the Spoken Tutorial Project ,IIT Bombay, Funded by National Mission on Education through ICT, MHRD, Govt of India on August 2014.

Awards :

- [1].Received “ **Best Teacher Award**” for the Academic Year 2017-2018.
- [2].Received “**Best Paper Award**” for the Paper titled “Multi-level Queue based Resource Allocation in Downlink of OFDMA Wireless Cellular Networks”, International Conference on Global Congress on Computing and Media Technologies, Organized by Sathyabama University, Chennai, India, 25th -27th Nov 2015.