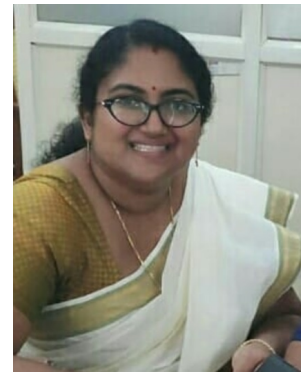


JOSNA V. R..

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Employment History

- 2013 – **Assistant Professor** -Department of Information Technology, Govt.Engineering College, Barton Hill, Thiruvananthapuram
- 2010 – 2013 **Assistant Professor** -Department of Information Technology, Govt.Engineering College, Idukki.
- 2006 – 2010 **Lecturer** -Department of Information Technology, Govt.Engineering College, Barton Hill, Thiruvananthapuram.

Education

- June 2012 **M.Tech. Computer Science and Engineering, IIT Madras**
- May 2002 **B.E. Information Technology, Madhurai Kamaraj University**

Research Interests

- Computer Architecture, Multi Core Interconnects, Network on Chip, Cryptography, Network Security, Cloud Security Security in Network on Chip, Micro controllers.

Membership in Professional Bodies

- Life member of Indian Society for Technical Education (ISTE)
- Professional Member of Institute of Electrical and Electronics Engineers (IEEE) Student Chapter Advisor of IEEE Computer Society Chapter at GEC Barton Hill Vice Chair Student Activities Committee, IEEE Kerala Section. Past Joint Secretary (Academics) of IEEE CS Chapter Kerala Section.
- Nominee member of Computer Society of India (CSI) Student Branch Counselor of CSI Student Branch at GEC, Barton Hill Student Activity Committee Member of CSI Trivandrum Chapter

Research Publications

Conference Proceedings

- 1 Asish., P., Josna V.R. (2021). Design of routers in data flow architecture of nocs- a survey. In *Proceedings of the 11th international conference on advances in computing and communications [icacc-2021], kochi, india, november, 2021*. IEEE Explore.

- 2 Raji Ramachandran, J. V. (2021). Data security and privacy in nocs- a survey. In *Proceedings of the international conference on advances in computing and communications [icacc-2021], idukki, india, july, 2021*. IEEE Explore.
- 3 Aswathy N. S., J. V. (2017a). Implementation and analysis of adaptive packet throttling in mesh nocs. In *Proceedings of the 7th international conference on advances in computing and communications [icacc-2017], kochi, india, august, 2017*. Elsevier, Procedia Computer Science.
- 4 Aswathy NS, J. V. (2017b). Packet throttling technique for congestion management in mesh nocs. In *Proceedings of the 21st international symposium on vlsi design and test [vdat-2017]*. IIT Roorkee.
- 5 Lalitha, J. V. (2015). Traffic verification for network anomaly detection in sensor networks. In *International conference on emerging trends in engineering, science and technology (icetest - 2015)*. Elsevier, Procedia Computer Science.
- 6 Sridhar A, J. V. (2015). Cash on modified elgamal: A preventive technique for false channel condition reporting attack in ad-hoc network. In *International conference on emerging trends in engineering, science and technology (icetest - 2015)*. Elsevier, Procedia Computer Science.

Participation in Faculty Development Programs

- DTE sponsored 6 day course on 'Graph Theory ' organized at Dept. of Information Technology, GECBH Thiruvananthapuram from 06 January 2020 to 11 January 2020.
- DTE sponsored 6 day course on 'Recent Trends in Communication and Networking ' organized at Dept. of Information Technology, GECBH Thiruvananthapuram from 06 January 2020 to 11 January 2020.
- TEQIP sponsored online FSDP-Python for Machine Learning organized at Government Engineering College, Palakkad from 14th to 18th September 2020
- TEQIP sponsored training programme on "Scientific Computing with Python" organized at RIT, Kottayam from 9th to 20th of November 2020
- AICTE Sponsored FDP on 'Machine Learning and Deep Learning-A Hands-On Approach', conducted by the Division of Electronics Engineering, CUSAT. from 7 to 19 December 2020.
- KTU sponsored 5 day FDP on 'Art of Student Centric Teaching' organized by department of Computer Science at NSS College of Engineering, Palakkad from 8 to 12 Feb 2021.

Guidance of M.Tech Students

- M.Tech in Network Engineering, GEC Barton Hill
- 2019-2021 ■ **Raji Ramachandran,**
- 2018-2020 ■ **Sudhina KV and Anu Mohan**
- 2017-2019 ■ **Manju B Menon**
- 2016-2018 ■ **Athulya Kamalasanan and Sreeraj**
- 2015-2017 ■ **Aswathy N, Reshma Raj and Joel John**
- 2014-2016 ■ **Shamna**
- 2013-2015 ■ **Sridhar A and Lalitha KV**
- 2012-2014 ■ **Akhila and Sajeena**

Responsibilities/Position(Department,College, University)

- 2013 – 2021 **Subjects dealt:** Parallel Computer Architecture, Unix Shell Programming, Computer Organization , Knowledge Engineering, Research Methodology, Life Skills, Sustainable Engineering.
- 2021 **Chairman**, Sixth Semester B.Tech Degree (IT) Examination (2013 scheme), Kerala University
- 2020 **Co-Ordinator**, College Website, GEC BartonHill, Thiruvananthapuram.
- Syllabus setter**, Syllabus Committee member for (B.Tech Information Technology)APJ Abdul Kalam Technological University Curriculum 2019.
- 2018 **Treasurer**, Career Guidance and Placement Cell GEC BartonHill, Thiruvananthapuram.
- 2016 **Treasurer**, GEC, Trivandrum Alumni Association (GECTAA) GEC BartonHill, Thiruvananthapuram.

Declaration

I declare that the foregoing information is true to the best of my knowledge and belief.

Josna V.R.