

## Faculty Profile

### Dr. Priscilla Joy

Assistant Professor,

Department of Computer Science and Engineering

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### Academic Background

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Degree	University	Year
Ph.D	Noorul Islam University	2021
M.E	Karunya University	2010
B.E	Anna University	2008

### Courses Taught

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#### Under Graduate Programmes

- Theory of Computation
- Object oriented system design(OOSD)
- Principles of compiler design(PCD)
- Database Management Systems(DBMS)
- Service Oriented Architecture(SOA)
- Multicore Architecture and Programming(MCA)
- Graph Theory and Applications(GTA)
- Artificial Intelligence(AI)
- Geographic Information Systems(GIS)
- Problem Solving and Python Programming(PSPP)
- Internet Programming(IP)

#### Post Graduate Programmes

- Multicore Architecture(MCA)
- Advanced Computer Architecture (ACA)
- Software Quality Assurance
- Software Quality Management

## Research Interests

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- Wireless Sensor Networks
- Wireless Security
- Internet of Things
- Artificial Intelligence
- Machine Learning

## Most recent Publications

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1. R.Priscilla Joy, J.Dheeba, "Preemptive EDF And Round Robin Scheduling Schemes For Real Time Wireless Networks", IOSR Journal of Computer Engineering (IOSR-JCE), e-ISSN: 2278-0661, ISSN: 2278-8727, pp. 26-32.
2. R. Priscilla Joy, J. Dheeba, "ITF Packet Scheduling Scheme for Wireless Sensor Networks", International Journal of Control Theory and Applications, ISSN: 0974-5572, Volume 9, No. 7, pp. 3307-3314, 2016. (Scopus)
3. R. Priscilla Joy, J. Dheeba, "Scheduling Schemes in Dynamic Multilevel Packet Scheduling In WSN", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume 8, Issue 2, July 2019. (Scopus)
4. R. Priscilla Joy, J. Dheeba, "Improved Priority Through Enhanced DMP Scheduling for Wireless Sensor Networks" National Conference on Emerging Trends in Applied Science and Technology (ETAST'15), conducted at Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari, Tamilnadu on March 18th, 2015.
5. R. Priscilla Joy, J. Dheeba, "CW-DMP Scheduling for Wireless Sensor Networks", National Conference on Advances in Informatics and

Computing Technology, conducted at College of Engineering Perumon, Perinad, Kollam, Kerala on 30th-31st March 2016.

6. R. Priscilla Joy, J. Dheeba, "Enhanced DMP Scheduling for Wireless Sensor Networks", Presented a Paper in IEEE conference in Global Conference on Communication Technologies (GCCT 2015), conducted at Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari, Tamilnadu on 23rd-24th April 2015. [Scopus]
7. R. Priscilla Joy, J. Dheeba, "ITF Packet Scheduling Scheme for Wireless Sensor Networks", Presented a Paper in International Conference on Innovative Trends in P-1 Engineering, Science and Management (NICESM 2016), conducted at Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari, Tamilnadu on 26th-27th February 2016.
8. R. Priscilla Joy, J. Dheeba, "Preemptive EDF and Round Robin Scheduling Schemes for Real Time Wireless Networks", Presented a paper in International Conference on Future Technology in Engineering (ICFTE2016), conducted at College of Engineering Perumon, Perinad, Kollam, Kerala on 24th October 2015.
9. R. Priscilla Joy, J. Dheeba, "IPS Packet Scheduling Scheme for Wireless Sensor Networks", Presented a Paper in International Conference on Signal Processing and Communication (ICSPC '17), conducted at Karunya University, Coimbatore, Tamilnadu, on 28th-29th July 2017. [Scopus]

#### Projects Guided

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- Improved security in wireless networks
- Enhanced EAP-Based Pre-Authentication For Fast and Secure Inter-ASN Handovers in MANET
- Enhanced DMP Packet Scheduling for Wireless Sensor Networks

- CAMPERBOT – Free Code Camp Status Viewer
- Set-Top Box Automation Testing Software
- Marketing Executive Progress Analyzer
- Banking Bot
- online shop engine using RPA
- Automatic Traffic Control Using Machine Learning

#### Memberships in Professional societies

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- IAENG
- Reviewer in International Journal of Communication Systems (Annexure 1 Journal)

#### Significant achievements:

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- Received award for securing 100% in OOSD subject and two PG handled subjects
- Reviewed two papers in International Journal of Communication Systems (Annexure 1 Journal)