

## Faculty Profile

**Dr. C. P. Maheswaran,**  
Associate Professor,  
Department of Computer Science and Engineering  
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### Academic Background

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Degree	University	Year
Ph.D.	Noorul Islam Centre for Higher Education	2017
M.E.	Anna University	2005
B.E.	Manonmaniam Sundaranar University	2003

### Courses Taught

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- Object Oriented Programming
- Database Management System
- Computer Architecture
- Computer Networks
- Web Technology
- Operating Systems
- System Software
- Internet of Things
- Data Structures and Algorithm
- Cyber Security
- Visual Programming
- Microprocessor and Microcontroller
- Internet Programming
- Design and Analysis of Algorithm
- Internet Programming
- Fundamentals of Computing
- C# and .NET Framework
- Software Engineering

## Research Interests

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- Mobile Computing
- Wireless Networks
- Cloud Computing

## Most recent Publications

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- Ajinu and C P Maheswaran, "Optimal Prediction of User Mobility based on Spatio-Temporal Matching", *International Journal of Modeling, Simulation, and Scientific Computing*, <https://doi.org/10.1142/S1793962322500465>, 2022. (World Scientific).
- Ajinu and C P Maheswaran, "A novel prediction model for mobility tracing of users with hybrid metaheuristic concept", *Wireless Network*, Vol. 28, pp. 107-123,2022. <https://doi.org/10.1007/s11276-021-02806-9>. (Springer)
- JayaMohan Jayasree Sumesh and Chella Perumal Maheswaran, "Energy conserving ring cluster-based routing protocol for wireless sensor network: A hybrid based model", *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, Vol. 34, No. 6, e2921, June 2021. <https://doi.org/10.1002/jnm.2921>. (Wiley)
- M B Shyjith, C. P. Maheswaran and V. K. Reshma, "Secure-Aware Multipath Routing Using Atom Search Rider Optimization Algorithm in Wireless Sensor Networks", *International Journal of Mobile Computing and Multimedia Communications. (IJMCMC)*, Vol. 12, No. 2, ISSN: 1937-9412, EISSN:1937-9404, Apr 2021. DOI: 10.4018/IJMCMC.2021040103.(IGI Global)
- M B Shyjith, C. P. Maheswaran and V. K. Reshma, "Optimized and Dynamic Selection of Cluster Head Using Energy Efficient Routing Protocol in WSN", *Wireless Personal Communication*, Vol. 116, pg. 577-599, 2021. <https://doi.org/10.1007/s11277-020-07729-w>. (Springer)
- R Jagatheeswari, C Bilcah Bobby and Chella Perumal Maheswaran,"A theoretical analysis of wireless localization scamming attacks using silence mechanism", *International Journal of Enterprise Network Management*, ISSN 1748 – 1252, Vol. 8, No. 1, pp. 35 – 44, April 2017. (Inderscience Enterprises Ltd)
- C. P. Maheswaran and C. Helen Sulochana,"Utilizing EEM approach to tackle Bandwidth Allocation with respect to HWN", *ICT Express*, , ISSN 2405 – 9595, Vol.

2, No. 1, Pages 80 – 86, June 2016 <https://doi.org/10.1016/j.icte.2016.02.012>.  
(Elsevier)

- Maheswaran C P and Helen Sulochana C, "An Efficient approach to Allocating Service in Integrated Cellular Networks.", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol.11, No. 8, PP. 5440-5445, 2016. Url: <https://www.ripublication.com/Volume/ijaerv11n8.htm>
- Maheswaran C P and C Helen Sulochana, "A unifying framework for seamless handover across mobile telecom network", International Journal of Enterprise Network Management, ISSN 1748 – 1252, Vol. 6, No. 3, pp. 238 – 250, 2015, DOI: 10.1504/IJENM.2015.071137. (Inderscience Enterprises Ltd)

#### Projects Guided

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- UG - 11
- PG - 08

#### Memberships in Professional societies

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- IMRF (22016)

#### Significant achievements:

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- NPTEL online certification courses for Python for Data Science - 2019
- Pursuing Ph.D. (05), Thesis Submitted (01), M.Phil Scholar Completed (01).
- Two Books published
- 12 papers in Scopus , 02 papers in SCI, 05 patents submitted