



**UNIVERSITY COLLEGE OF ENGINEERING
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NAME : **R. SHYAMALA**

EDUCATION PURSIT : **B.E, M.E, Ph.D.**

DESIGNATION : **ASSISTANT PROFESSOR**

DEPARTMENT : **INFORMATION TECHNOLOGY**

EXPERIENCE : **UG- 15 YEARS**
PG- 2 YEARS

AREA OF INTEREST : **1) THEORY OF COMPUTATION**
2) COMPUTER DESIGN
3) NETWORK SECURITY

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LIST OF PUBLICATIONS

1. **Shyamala Ramachandran** and Valli Shanmugam, “An Approach To Secure Leach Using Tesla Based Certificate”, Life Science Journal, Vol.10, No.2, pp.1018 - 1027, 2013.
2. **Shyamala Ramachandran** and Valli Shanmugam, “[Securing GMR Protocol using TESLA Based Certificate for WSN](#)”, European Journal of Scientific and Research, Vol.94, No.2, pp.186-196, 2013.
3. **Shyamala, R.** and Valli, S. “Impact of Blackhole and Rushing Attack on the Location-Based Routing Protocol for Wireless Sensor Networks”, Proceedings of Advances in intelligent system and computing, Vol.176, pp.349-359, 2012.



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4. **Shyamala Ramachandran** and Valli Shanmugam, “Performance Comparison of Routing Attacks in MANET and WSN”, International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC), Vol.3, pp.41-52, 2012.
5. **Shyamala Ramachandran** and Valli Shanmugam, “[Impact of Sybil and Wormhole Attacks in Location Based Geographic Multicast Routing Protocol for Wireless Sensor Networks](#)”, Journal of Computer Science, Vol.7, pp.973-979, 2011.
6. **Shyamala, R.** and Valli, S. “Secure route discovery in MAODV for Wireless Sensor Networks”, UbiCC Journal, Vol.4, pp.775-783, 2009.

ADMINISTRATIVE EXPERIENCES

1. Head of the Department Information Technology.
2. Chief Superintend.
3. Camp Officer.
4. PS to Principal, UCET.
5. PS to SO, UCET.
6. Cultural Coordinator.