

## **FACULTY PROFILE**



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Experience: 15 years

**Research area:** Design and analysis of frequency reconfigurable antenna design

### **Research Publication:**

- 1.Thenkumari. K "Compact frequency reconfigurable antenna using PIN diodes," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)
- 2.Thenkumari. k "Motion discovery through change discovery filter matrix derived from the discrete cosine transform" Materials Today,2021 Volume 45, Pages 2343-2347 [s://doi.org/10.1016/j.matpr.2020.10.696](https://doi.org/10.1016/j.matpr.2020.10.696)
- 3.Thenkumari. k "Energy efficient & secured communication for vanet using location dependent key management" Journal of Green Engineering volume 11,issue 4, December 2020
- 4.Thenkumari. k "Secured data communication by using quantum entanglement of photon between two nodes" International Journal of Advanced Science and Technology, Volume 29,No.7(2020),pp 5262-5270
- 5.Thenkumari. k "Frequency reconfigurable micro strip antenna switching techniques for sustainable environment" Journal of Green Engineering volume 9,issue 4, December 2019
- 6.Thenkumari. k "Efficiency improvement in wireless sensor networks using ABC algorithm for cluster packet forwarding" Indian Journal of Science and Technology,volume3,issue3, sep 2016

7. Thenkumari. k "Error correction mechanism based on RCIC turbo codes in LTE network " Elysium Journal of Engineering Research & Management, volume2, issue 2, April2015.
8. Thenkumari. k "Smartphone based controlling and pit detection system" International Journal of Computer Science and Mobile Computing, IJCSMC, Vol. 3, Issue. 3, March 2014, pg.787- 792
9. Thenkumari.k "Wireless black box using MEMS accelerometer and GPS tracking for accidental monitoring of vehicles" International Journal of computer Science and Mobile Computing, IJCSMC, Vol. 3, Issue. 3, March 2014, pg.727- 732.
10. Thenkumari. k "Navigation system for blind people using GPS &GSM techniques" IJRET:International Journal Of Research in Engineering and Technology, 2013  
EISSN: 2319-1163 PISSN: 2321- 7308
11. Thenkumari .k "Power control optimization and improving throughput LTE advanced relay networks", International Journal of Engineering and Innovative Technology , Vol. 3, Issue 2, September 2013, pp no:86-88

## **PATENT PUBLISHED**

**Title of Invention** : Employment and skill gap identification technique using Machine learning for ITES sector

**Application number**        2021100597

**Current status**        : **Grant Certificate** (Australian Patent)