

## Faculty Profile

**Mr S.Basil Xavier , M.Tech.,(Ph.D)**

Assistant Professor,

Department of Computer Science and Engineering

[basilxavier@karunya.edu](mailto:basilxavier@karunya.edu)



### Academic Background

---

Degree	University	Year
Ph.D	Karunya Institute of Technology and Sciences (Deemed University)	Pursuing
M.Tech	Karunya University	2012
B.E	Anna University	2010

### Courses Taught

---

- Multimedia system Design
- Cyber Forensic
- Internet of Things
- Essentials of Programming

### Research Interests

---

- Cloud Security
- Information Security
- Internet of Things
- Multimedia

### Most recent Publications

---

Basil Xavier, S,David, S.Andrew, J.Raj, I.J.Fiona, "Hybrid approach for weather prediction using satellite images" International Journal of Recent Technology and Engineering, 2019, 8(1), pp. 2288-229

David, S. Basil Xavier Kathrine, J.W.” A panoramic overview on fast encryption techniques for outsourced data in mobile cloud computing environment” Proceedings of the International Conference on Inventive Computing and Informatics, ICICI 2017,

David, S., Andrew, J.,Xavier, B.Raj, I.J.Eunice, R.J.” Improving Scalability and Balancing the Network Load Using Adaptive Multiparent Crossover Method in Wireless Sensor Networks” Journal of Computational and Theoretical Nanoscience, 2020, 17(5), pp. 2417-2422

Ajitha, D.D.Basil, X.S.,David, S., Kathrine, J. Comparative analysis of various Machine Learning Techniques for Intrusion Detection System 2nd International Conference on Signal Processing and Communication, ICSPC 2019 - Proceedings,

#### Projects Guided

---

- Women safety wearable Devices
- Voice trans (Android App)
- Keyboard for motor disabilities (upper limb disabled) people
- Coimbatore Bus Guide (Android App)
- Automatic fruits grading System
- IOT based water contamination system
- Hybrid weather prediction using satellite images
- Smart Cultivation System
- Controlled Environment agriculture
- Anomaly Detection Using Surveillance Camera With Reporting System

#### Significant achievements:

---

- Best Programme Officer award of the National Young Leaders Programme (NYLP) based on the work done in spreading awareness about the national youth empowerment and bringing the students to nation-building platform on March 2017.