



# Ramya B K

## Assistant Professor

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### Qualification:

- B.E. from SJB Institute of Technology
- M.Tech. from AMC Engineering College
- Pursing Ph.D from Visvesvraya Technological University

### Experience:

- Assistant Professor in CSE- Data Science Department, RNS Institute of Technology, Bangalore from December 2023 till date.
- Assistant Professor in Information Science Engineering Department, SJB Institute of Technology, Bangalore from July 2010 to July 2023.
- Lecturer in Information Science Engineering Department, A M C Institute of Technology, Bangalore from July 2008 to July 2010.

### Courses Taught:

Computer Networks, Data Communication, Cyber Security, Computer Organization, Computer Concepts and Programming, UNIX System Programming, UNIX Shell Programming, Network Security, Operating System, Analysis & Design of Algorithms. Logic Design, Object-Oriented Modelling design, System software, Internet of Things, Cloud Computing.

### Areas of Research:

Computer Networks, Applications of Machine Learning, Data Science and Internet of Things.

### Patent:

Patent Published on 25/11/2021 Titled "AI Based hybrid aircraft for medicine deliveries in remote and disaster areas". (Australian Patent)

### Key Publications

- Published a paper on, "Smart Agriculture with Rain Water Harvesting System". International Journal of All Research Education and Scientific Methods in July 2022.
- Published a paper on, "Automated women safety system", International Journal of Advance Research, Ideas and Innovations in Technology in April 2019.
- Published a paper on, "Smart Vertical Farm Using IOT", International Journal of Innovative Research in Computer and Communication Engineering in April 2018.
- Published a paper on, "Prototype for keyword search mechanism using identity-based Encryption", International Journal of Innovative Research in Computer and Communication Engineering in 2016.
- Published paper on, "Design and Implementation of a Low Cost Wireless Sensor Network using Arduino and nRF24L01 (+)", International Journal of Scientific Engineering and Technology (IJSET).