

# Faculty Profile



**Dr. K. Suresh Kumar, M.Tech., Ph. D**  
Professor, HoD – IT and Dean SCOFT

## **HIGHLIGHTS:**

- Number of Journal Publications: 65
- H-Index: Scopus – 6 and Google Scholar - 12
- Patents Published: 7
- Patents Granted: 7

## **PROFESSIONAL LINKS:**

- Scopus ID: 57220400605
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57220400605>
- Google Scholar ID: <https://scholar.google.co.in/citations?hl=en&user=5SOH3egAAAAJ=en&user=JKT9ePMAAAAJ>
- Anna University Faculty ID: 269883
- AICTE Faculty ID: 1-462395781
- Anna University Supervisor ID: 4140067
- LinkedIn: <https://www.linkedin.com/in/dr-suresh-kumar-krishnamoorthy-600053112/>

## **PROFESSIONAL BACKGROUND:**

- Teaching Experience till date: 20 Years
- Industrial Experience: 2 Years

## **INTERNATIONAL EXPOSURE:**

- Completed IUCEE (Indo Universal Collaboration for Engineering Education) on International Engineering Education Certification Program with Distinction (Score 95.85)
- Visited Taylors University, Malaysia and MDIS, Singapore presented paper in International Conference.
- Visited De Montfort University, Dubai and presented paper in International Conference and also acted as session chair.

## **AREA OF SPECIALIZATION:**

- Cybersecurity
- Image Processing

- Artificial Intelligence
- Cloud computing

**Ph.Ds GUIDING:**

- **Full Time Scholars: 2**
- **Part Time Scholars: 5**

**SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:**

- A Project submitted to the DST- CSRI titled “ADVANCEMENT IN BRAIN COMPUTER INTERFACE IN NEURO REHABILITATION OF COGNITIVE SCIENCE USING AI for worth of 1,17,66000/- in June 2024
- Organized FDP on Cyber Security sponsored by IIT Bombay, conducted under the National Mission on Education through ICT by MHDR Fund Received Rs,1,45,000/-
- Organized 3 Days Entrepreneur Awareness Camp funded by ISTE fund received Rs. 20,000/-
- Received Sum of Rs.10,000/- from Tamil Nadu State Council for Technical Education for Student Project
- Anna University Sponsored FDTP on Mobile Communication Fund Received Rs 80,000/-

**PATENTS PUBLISHED/GRANTED:**

**Published 7 Indian Patent**

- A method and system for controlling deforestation September 2019
- Design a personal Assistance system for dyspraxias-affected patients November 2019
- Image CAPTCHA Cropping using Symbols March 2020
- IoT-based Sailing Vessel Stem Bulb Mounted Sail Course Recorder May 2023
- A Machine Learning Algorithm for Detecting Driver Drowsiness May 2023
- Designing A Smart Livestock Monitoring Using Wireless Networks and Data Analytics FEB 2024
- Creating An Automated Pest Detection and Control System Using Machine Learning and Robotics FEB 2024

**Indian Design Patent Grant**

- Blockchain-enabled Device for Enhancing Computer Network Safety APR 2023
- IOT-Based Wearable Medical Monitoring Devices APR 2023
- Sun Tracking Solar Panel May 2023

## **International Patent Grant**

- Received patent grant for eight years on "Continuous Energy Supply To Household Appliances Through Uninterrupted Power Meter" in Australia, Application No – 2020102346. September 2020
- Received eight-year patent grant on "ELECTRIC VEHICLE CHARGE MANAGEMENT AND MONITORING SYSTEM BASED ON IOT" in Australia, Application No –. September 2020

## **COURSES CERTIFIED:**

### **International certification in Coursera**

- **Cloud Infrastructure Services from Dell EMC Issued Feb 2014 Credential ID S69NBHMYNEVE51G9**

### **International certification in Coursera**

- **Python Data Structures** from University of Michigan
- **Blockchain Basics** from University at Buffalo
- **Introduction to the Internet of Things and Embedded Systems** from University of California, Irvine
- **Fundamentals of Network Communication** from University of Colorado System
- **Programming for Everybody (Getting Started with Python)** from the University of Michigan
- **Cyber Attack Countermeasures** from New York University Issued Jul 2024
- **Transacting on the Blockchain** from Coursera

### **International certification received from IBM**

- **Introduction to Data Science**
- **Bitcoin 101**
- **Python for Data Science**
- **IBM Cloud Essentials**
- **R Programming (R 101)**
- **Hadoop Foundations - Level 1H**
- **Machine Learning with Python - Level 1**
- **IBM Blockchain Essentials V2**

## **ACHIEVEMENTS AND AWARDS:**

- **Received the best teacher award 5 times in college.**
- **Research Excellence Award- 2024 from IN Sc (Institute of Scholars) for Publication.**
- **Guru Sironmani Award from PAAI new Delhi in Jan 2023.**

- **Global Teacher Award from AKS Education Awards, Gurugram, NCR, INDIA 2019.**
- **Best Senior Faculty from DKIRF in 2018.**
- **Outstanding Contribution on Teacher Award from NFED in 2012.**

#### **SPECIAL SESSIONS DELIVERED:**

- **Served as a keynote speaker and delivered a special session on “Emerging Challenges in Threats and Vulnerabilities” at the UNITEAS 24 Conference held in Indore.**
- **Delivered a keynote address and special session on “Challenges in Cloud Security” at the 24 Conference held in Jaipur.**
- **Presented a keynote session on “Cybersecurity in Healthcare and WBSN” at the National Conference organized by SRM University.**
- **Presented a session on “ML in Cybersecurity: Enhancing Threat Detection and Prevention” during Faculty Development Program at Panimalar Engineering College.**
- **Delivered more than 15 Special Session in various events like FDPs, Seminars and Conferences**

#### **PROFESSIONAL MEMBERSHIPS:**

- **CSI Life Member – Membership ID - 01178175**
- **IAENG Life Member – Membership ID - 163009**
- **INSc Life Member - Membership ID - 20248REA74**
- **ACM – Associate Member - 3304933**

#### **OTHER DETAILS**

##### **Books Published**

- **“Cloud Computing”, Charulatha Publication, 2024, ISBN No: 978-93-5577-782-9**
- **"Advanced Data Structures and Algorithms using C++", Scientific International Publishing House, 2021. ISBN No: 978-93-92992-34-6.**
- **"Computer Programming" Vinayaka Publisher 2008**
- **"Computer Practice" Vinayaka Publisher 2008**
- **"Computer Practice Laboratory" Vinayaka Publisher 2009**

##### **Reviewer**

- **Reviewer Security and Privacy (SCI indexed, Scopus) Annexure**
- **Reviewer Journal of Ambient Intelligence and Humanized Computing (SCI )**
- **Reviewer International Journal of Information Security and Privacy (SCI indexed, Scopus)**
- **Reviewer Internet Technology Letters (SCI indexed, Scopus)**
- **Reviewer European Journal of Training and Development (Scopus)**
- **Reviewer International Journal of Computer Techniques.**
- **Reviewer Journal of Network and Computer Applications**
- **Reviewer Interdisciplinary Transactions on Cloud Computing, IoT, and Big Data**

- Reviewer International Journal of Innovative Technology and Creative Engineering
- Acted as Session Chair in Various International Conferences (IEEE, Springer)

### **Resource Person**

- Handled sessions on Various Topics in various Engineering College.