

Faculty Profile

Brief Profile (Few Paragraphs)

Mr. Prashanth K is an Assistant Professor in the Department of MCA at RV College of Engineering, Bengaluru, with over 15 years of combined experience in teaching and software development. He is a registered Ph.D. scholar under VTU, specializing in active attack detection techniques for wireless sensor networks, and is a member of IEEE and ISTE. He has contributed as a resource person and teaching consultant at various institutions, including RV University, published research in IoT, wireless sensor networks, and blockchain, and actively participates in academic initiatives, curriculum development, and student mentoring.

Faculty Photo

Personal Information

- **Name:** Prashanth K
- **Designation:** Assistant Professor
- **Department:** Master of Computer Applications
- **Email:** prashanthk@rvce.edu.in
- **Phone:** 9380651304

Google Scholar / ResearchGate / LinkedIn: [Link if applicable]/ **ORCID:** [Link]
<https://rvce.irins.org/profile/313845>
https://scholar.google.com/citations?user=tXh_38MAAAAJ&hl=en
<https://www.scopus.com/authid/detail.uri?authorId=57704662600>

Domain of Expertise

Research Focus

- **Primary Area:** Wireless Sensor Networks

Academic Qualifications

- Ph.D.:** Registered for PhD under **Visvesvaraya Technological University** as on date 27th May 2019
Title: Active Attack Detection Techniques for Efficient Utilization of Resources in Wireless Sensor Networks
Guidance: Dr. Usha. J.
- **MCA:** Siddaganga Institute of Technology, Tumakuru Affiliated to Viveshwaraya Technological University, Belagavi

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering®	Asst. Professor	Sep 15 to till date
2.	AMC Engineering College	Asst. Professor	Dec 2010 to Sep 2015

S. No.	Company	Designation	Period
1.	Free Lancer	Developer	Dec 08 to Dec 09
2.	Core Business Software Ltd	Software Engineer	Mar 07 to Dec 08

Publications & Patents

Journal Publications

Prashanth, K, M S, Suhas. "**Design and Development of Next-Gen Exam Management Suite Using Spring Boot Application**". *Periodico di Mineralogia* 93. 4(2024): 103–108.

Prashanth, K, H, Bharath. "**Analysis and simulation of wormhole attack in wireless sensor networks using NS3 simulation Tool**". *Periodico di Mineralogia* 93. 4(2024): 109–116.

Savitha, R., K. B. Ashwini, and K. Prashanth. "**Blockchain-Based Online Voting System**." *ECS Transactions* 107.1 (2022): 13195. <https://spast.org/techrep/article/view/178>.

Prashanth G.K, Prashanth K. "**Grassroots a Walk-Through in Digital Image Processing Approaches and Performances**". *Design Engineering*, Dec. 2021, pp. 16889-03, (Scopus, Q4)
<http://www.thedesignengineering.com/index.php/DE/article/view/9005>.

K Prashanth, and S S Nagamuthu Krishnan. "**Study of Denial of Service (DoS) Attack in Wireless Sensor Networks with Power**." *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* 10, no. 4 (February 28, 2021): 168–71.

Ashwini, KB, and Prashanth, K. "**A Framework for Energy Management in Smart City through Internet of Things**." *International Journal of Research in Engineering and Applied Sciences(IJREAS)* 7, no. 8 (August 2017): 90–96.

Conference Papers

Dr. Jayasimha, Prashanth K, Usha J. "**Android Application Development: Working on Native and Progressive Web Application**". Thirteenth International Conference on Advances in Computer Science and Application – CSA2024, April. 2024,

Books/Book Chapters

Patents [Filed / Published / Granted]

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

Ongoing & Completed Consultancy Projects

Completed:

Mr. Prashanth K, Assistant Professor in the Department of MCA, served as a teaching consultant at RV University, School of Computer Science and Engineering (SoCSE), for the minors course “**Web Design with JS**” during the academic year 2023-2024.

Mr. Prashanth K, Assistant Professor in the Department of MCA, served as a teaching consultant at RV University, School of Computer Science and Engineering (SoCSE), for the Semester 5 minors course on “**Web Design with JavaScript**” during the academic year 2024-2025.

Professional Memberships

Membership : IEEE Organization
Membership Number : 94371137
Membership : ISTE Organization
Membership Number : 129332

Awards & Recognitions

Student Supervision

- MCA Students: 09

Professional Roles

Teaching

Core Courses: [Current semester]

- MCA221IA – Mobile Application Development

Advanced/Lab Courses:

- MCA221IA – Mobile Application Development

Professional Roles

Responsibilities

- Academic: TTO, SAP Coordinator

External Connect

Projects

Number of UG Projects Guided	Number of PG Projects Guided	No. of Doctorate Students	
		Completed	In Progress
		00	00
NA	84		

Publications

National Journals	National Conferences	International Journals	International Conferences	Book Chapters Published	Patent Granted
NA	NA	15	02	NA	NA