CURRICULUM VITAE

Dr. Shivanna K
Associate Professor,
Computer Science and Engineering,
Malnad College of Engineering, Hassan.
Email: shivannak4phd@gmail.com
Mobile: +91-9686194749

Objective:

Be affiliated with a prestigious institution in improving the standards of profession and empowering them with necessary skills, qualities, knowledge, attitude, and value of time.

Academic Qualification:

➢ Ph.D in Computer Science and Engineering, Visvesvaraya Technological University (VTU), Belagavi, Karnataka.
   o Title: "Techniques for Data Protection in Cloud Computing"
   o Thesis Submitted on: 31/08/2020
   o Final Defense Completed on: 16/04/2021
   o Research Supervisor: Dr. Prabhudeva S, Professor, JNNCE, Shimoga.

➢ M.Tech in Computer Science and Engineering at J N N College of Engineering, Shivamogga, in the year 2010.
➢ B.E in Computer Science and Engineering at G M Institute of Technology, Davanagere, in the year 2006.

Professional Experience-14 Years

➢ Currently working as an Associate Professor, Department of Computer Science and Engineering, Malnad College of Engineering, Hassan, from September 2022 to till date.
➢ Assistant Professor (Senior Grade) in the Department of Information Science and Engineering, M S Ramaiah Institute of Technology, Bangalore from February 2022 to August 2022.
➢ Assistant Professor in the Department of Computer Science and Engineering, G M Institute of Technology, Davanagere from August 2013 to January 2022.
➢ Senior Lecturer in Dept. of CSE, Sridevi Institute of Engineering and Technology, Tumkur, from July 2009 to July 2013.

Technical Strength:

- Eclipse IDE for Java programming
- Net-Beans IDE for web application development
- Network Simulator-2
- Cloud Simulator
- OpenGL
- Amazon Web Services
- Contiki for IoT applications
- Anaconda with Jupiter and Spider tool for Python programming.
- Proficient in all Programming Languages.

Research Areas of Interest

- Cryptography and cloud data security
- Cloud computing
- Internet of Things
- Blockchain Technology
- Artificial Intelligence

Testimonials

- Received Honor towards attaining patent and recognized as an Intellectual Pioneer of Malnad College of Engineering, Hassan.
- Secured best paper award in National Conference on Emerging Trends in Engineering, Research and Management (NCETERM) -2018 held at GMIT, Davanagere on 26th and 27th October 2018.
- Secured best paper award in International Conference on Recent Innovations in Science, Engineering and Technology (ICRISET-18) held at HIT, Nidasoshi, Belagavi, on 18th and 19th May, 2018.

Patents

- Published a Patent titled "Economical Third Umpire for Cricket" with application number 202341002993.

Funded Projects

1. AICTE-Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES) project funded by AICTE and received grant of 2.00 lakh rupees and the amount will be utilized for conducting various technical activities which enhances the creativity and ethics among student group during academic year 2021-22.
2. Applied Grants for Research Excellence (GRE) to the VGST titled "Design and Development of IoT Communication Protocol for Health Care Sector with Blockchain and Machine Learning" -40,00,000 (Forty Lakhs Rupees) on 22nd May 2023.
3. Applied Grants for four days Faculty Development Program (FDP) to the VGST titled "Explainable AI - Interpretable Machine Learning" -3,00,000 (Three Lakhs Rupees) on 22nd May 2023.

Publications

1. Janardhana D R, A P Manu, Shivanna K and Suhas K C "A lightweight Blockchain to Secure Data Communication in IoT Network on Healthcare systems", International journal of critical computer based systems. Publisher: Inderscience (Under Review).
2. Shivanna K and Dr. Prabhudeva S "A Secure Message Integrity in Cloud Computing with Combined Cryptographic Approach" International Journal of Advanced Science and Technology, Vol. 29, No.02, 2020.
3. Shivanna K and Dr. Prabhudeva S, "Ensure Data Protection in Cloud Computing using ASCII Based Encryption Technique", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-10, August 2019.
4. Shivanna K and Dr. Prabhudeva S "Privacy Preservation in Cloud Computing with Double Encryption Method" Computer Communication, Networking and Internet Security, pp. 125-133. Springer, Singapore, 2017.
5. Shivanna K and Dr. Prabhudeva S "A Reliable Authentication with Graphical Password for Cloud Data", IJARCCE International Journal, ISSN-2278-1021, Vol 5, October 2016.
6. Shivanna K and Shalini Kumari H A, "Energy Efficient Data Mining in Multi-Feature Sensor Networks using Improved Leach Communication Protocol", IOSR Journal of Computer Engineering (IOSRJCE), Volume 3, Issue 3, 2012.
7. Shivanna K and Shalini Kumari H A, "Dispatch of mobile sensors in the presence of Obstacles Using Modified Dijkstra Algorithm", International Journal of Computational Engineering Research, Vol 2, Issue 5, 2012.

Paper presentation in Conferences

1. Dr. Shivanna K and Dr. Niranjanmurthy M,"A Double Encryption for Data Protection in Cloud Computing" to 3rd International Conference on Recent Innovative Trends in Computer Science and Applications, MSRIT, Bangalore, 6th and 7th May 2022.
2. Dr. Shivanna K, "Smart Cap-Wearable Visual System for Blind", 2nd International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2021), 15th and 16th July, 2021, G M I T, Davanagere.
3. Shivanna K and Dr. Prabhudeva S, "Ensure Confidentiality and Authenticity of Cloud Data: An Effective Approach", National Conference on Emerging Trends in Engineering, Research and Management (NCETERM)-2018, 26th and 27th October 2018, Davanagere, Karnataka.
4. Shivanna K and Dr. Prabhudeva S, "A Secure Message Integrity in Cloud Computing with Combined Cryptographic Approach", International Conference on Recent Innovations in science, Engineering and technology (ICRISET-18), 18th and 19th May 2018, Nidasoshi, Karnataka.
5. Shivanna K and Dr. Prabhudeva S, "Privacy Preservation in Cloud Computing with Double Encryption Method", Springer IC3T International Conference, 5th and 6th November 2016 held at MIC College of Technology, Vijayawada (A.P).

6. Shivanna K and Dr. Prabhudeva S, "A Reliable Authentication with Graphical Password for Cloud Data", International Conference ICRITCSA-2016, 22nd October 2016 at MSRIT, Bangalore.

Book Chapters/ Lecture Series

➢ Janardhana D R, A P Manu, Shivanna K and Suhas K C, "Malware Analysis and it's Mitigation Tools ", Book Title: "Malware Analysis and Intrusion Detection in Cyber-Physical Systems", Chapter-12, Publisher: IGI Global, DOI: 10.4018/978-1-6684-8666-5.

Workshops Delivered

1. Computer Graphics Workshop, JIT, Davanagere on 10th June, 2023.
2. Technical Talk on "Security Issues in Data Storage using Cloud Computing" on 28th January 2023 at GMIT, Davanagere.
3. Two Days workshop on "IoT: Recent Trends and Applications Development" MCE, Hassan, on 22nd and 23rd December, 2022.
4. One Week Guest Lecture on Cyber Forensics for M Tech students, Jain University, Bangalore.
5. One Day Symposium on Computer Graphics in Real World Applications on 1st March 2019, G M I T, Davanagere.
6. Three Day Workshop on Graphics Application Development using OpenGL on 22nd, 23rd and 24th April 2018, G M I T, Davanagere
7. Two Day Workshop on Graphics Application Development using OpenGL on 12th and 13th May 2017, organized by G M I T, Davanagere.

Workshops/Events Organized

1. Conducted Two Days workshop on "IoT: Recent Trends and Applications Development", MCE, Hassan, on 22nd and 23rd December, 2022.
2. Worked as a Co-Convener in 2nd International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2021) organized by G M I T, Davanagere.
3. Organized One Day Symposium on Computer Graphics in Real World Applications on 1st March 2019, G M I T, Davanagere.
4. Organized Three Day Workshop on Graphics Application Development using OpenGL on 22nd, 23rd and 24th April 2018, G M I T, Davanagere
5. Conducted Two Day Workshop on Graphics Application Development using OpenGL on 12th and 13th May 2017, organized by G M I T, Davanagere.

Appreciations

1. Appreciation Letter for being a session chair in 2nd International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2021) organized by G M I T, Davanagere.
2. Appreciation Letter from Dept. of CSE, GMIT, Davanagere for enhancing the academic initiatives and also developing students in their personal and academic growth on 30th May 2018.

3. Appreciation Letter from Dept. of CSE, GMIT, Davanagere for enhancing the academic initiatives and also developing students in their personal and academic growth on 16th April 2018.
4. Staff coordinator for the event Memory Tracking in the NCETERM-2018 held on 26th and 27th of October 2018 at GMIT, Davanagere.

Responsibilities Held
1. Department R and D Coordinator
2. Coordinator for Koushalya-Industry Ready Students Training Program
3. Coordinator for Forum Activities
4. Department coordinator for NAAC documentation
5. Department placement coordinator

Review Activity

1. Peer reviewer for IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) is being organized at Nitte Meenakshi Institute of Technology, Bengaluru, INDIA during 1st and 2nd, September 2023.
2. Peer reviewer for International Journal of Networked and Distributed Computing.

Recognitions:
1. Recognized as a Research Supervisor for guiding Ph.D candidates under VTU.
2. Recognized as a Board of Examiner (BOE) member for VVIT, Mysore.
3. Recognized as a Board of Studies (BOS) member for MCE, Hassan.

Personal Details
Nationality: Indian
Date of Birth: 20/03/1982
Marital Status: Married
Name of the Spouse: Bhavani K N
Number of Children's: 02
Permanent Address: Shivanna K S/o Kariyappa
                      Maruthi Circle, Uppara Street,
                      Channagiri-577213,
                      Davanagere (Dist)

Other Interests: Farming, Swimming, Yoga, Traveling and Trekking.

The information contained herein is true to my knowledge.

Dr. Shivanna K