




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

Name	Dr. V. KEERTHIKA	
Designation	Associate Professor	
Educational Qualification	M.E., Ph. D	
Area of Interest	Network Security, Big Data Analytics, Machine learning	
Date of Birth	22.05.1979	
Email ID	keerthivenkatt@gmail.com	

Educational Details

- **Ph. D** : Computer science and Engineering, VEL TECH Technical University, Chennai- May 2019.
- **M.E** : Computer science and Engineering, Anna University, Chennai, May 2008.

Professional Experience

- Working as **Associate professor/CSE** in **Dayananda Sagar Academy of Technology & Management**, Bangalore from August 2019 to till date.
- Assistant professor in Er. Perumal Manimekalai College of Engineering, Hosur from June 2009 to July 2018.
- Lecturer in Er. Perumal Manimekalai College of Engineering. Hosur from July 2004 - Aug.2006.
- Lecturer in Harur, Muthu Arts & Science College for women, Harur, from July 2002 – May 2003.
- Software Developer, M/s. AFX Technologies Pvt. Ltd., Chennai from Nov. 2001 to July – 2002.

Projects Handled and Funds Received

- Mentored the project of Chattravishwakarma awards 2020.
- Mentored Student Project of Institution's Innovation Council (IIC) for National Innovation Contest 2020.
- Tamilnadu State Council For Science And Technology project-2017-Received fund of 5000/-
- Tamilnadu E-Governance project scheme -2016- Received fund of 25000/ as District First Project
- Co-ordinated and received National level CSI R&D major project fund of 25,000/- in the year 2014 from computer society of India CSI-ED,HQ

- National level CSI GOLDEN TECH-14 computer training programme for women on 11/8/2014 and received fund of 10,000/-from Computer society of India (CSI).
- Fund Received & Organized 5 National Level CSI Discover thinking Quiz For young Learners- 2015” on 16th February 2015 and received fund from CSI.

Awards and Recognition

- Mentored student startup and Incubated in Atal Incubation center –DSU, applied to NITI-Aayog funding.
- National Award for “Longest continues SBC Award” from Computer Society of India in the Year of 2013 during the 50th annual convention at New Delhi
- Certificate of Appreciation for successful co ordination of workshop and competition organized Techhunt talent -2013 for entrepreneurship by CSI and NTA
- Recognized with Bronze partner faculty under inspire-the campus connect Faculty partnership Model of Infosys in the year 2015
- National Award for “Longest continues SBC Award” from Computer Society of India in during National Student Convention on 19th March 2016 at Panimalar Engineering College, Chennai.

Professional Membership

- Life Member of Indian Society for Technical Education(ISTE), New Delhi.
- Institutional Member of the Computer society of India(CSI)

Department Roles & Responsibilities

- Entrepreneurship Development cell Dept coordinator,
- NISP ,IIC Member
- Institution Innovation Ambassador-IIC
- NBA ,NAAC criteria Incharge
- ARIIA Institutional coordinator

Innovation cell Achievements

- Mentoring student project in Manthan-2021 –National security Hackathon
- As an Entrepreneurship Development cell coordinator , focusing on Entrepreneurship activity and supports students who are interested in startup, encouraged an entrepreneur activity.
- Coordinated Business model presentation Event in our college during Entrepreneurship Day.
- Coordinated, EDC Awareness camp sponsored by DST, which helps students exposure to innovation , help to adopt, implement, their innovative ideas
- Mentor the CSE student project “ Environmental Analysis Robot” selected for finals in National Innovation Contest 2020 of Institution’s Innovation Council, AICTE.
- Mentor the students participation in final level of AICTE Chhatra Vishwakarma Awards(CVA) -for Outstanding Innovative Team
- Student Startup/projects are incubated at AIC-DSU Innovation Foundation
- Innovation Ambassador Training attended from 30-6-2021 to 30-7-2021 organized by IIC ,AICTE

Faculty Development Activity

- Participated AICTE-Workshop on Examination Reforms organized by chitratarka university during 26th - 28th July 2021
- Participated AICTE Five day workshop on for “Faculty About Awareness And Training New Outcome Based (Oba) Process Of NBA” during 23-24 June 2021
- Participated ATAL Sponsored FDP on Data Sciences organized by National Institute of Technology Durgapur During May 31 - June 4 2021
- Participated ATAL Sponsored FDP “MATLAB: An Effective Tool for Academics and Research” during 5th July - 9th July 2021.
- Participated One Week Online Short-term Course With live hands-on” Next Generation Networks (NGN) & AI for Data Analytics and Predictive Technology Applications during March 22-27, 2021 Organized by Indian Institute of Technology (BHU).
- Participated NPTEL course on “Accreditation and Outcome based Learning.” in 2021.
- Participated AICTE sponsored STTP on “Green IoT for Smart Environment” during Feb 01 - Feb 6 2021
- Participated ATAL Sponsored FDP on “Internet of Things(IoT)” organized by Inderprasatha Engineering College during Dec 12 - Dec 18, 2021.
- Participated webinar on Internal Quality assurance cell-Roles & Responsibilities” on Nov 25, 2021 Organized by ISDE Academy
- Participated AICTE Sponsored STTP on” Role of Big data in Disaster Management “ during March 9- March 14, 2020

Journal/Conference Reviewer

1. Reviewer, “International Conference on Disruptive Technologies for Multi-Disciplinary Research & Applications (CENTCON-2021) the Sagar Centenary Conference hosted by ‘Dayananda Sagar Group of Institutions’, Bangalore,, 2021
2. Reviewer, Advances in Science, Technology and Engineering Systems Journal (ASTESJ)
3. Reviewer, Indian Journal of Science and Technology
4. Editorial board Member-IIOAB Journal
5. Chairperson, International conference on Advances in computer Engineering & communication Technology (ICACET-2021) sponsored by AICTE.

Internship

- Organized Training cum Internship on “Programmable Logic Controller “ related to Industry 4.0 trained by DSU –Centre of Competence for Industrial automation collaborated with BOSCH during 25-6-21 to 25-7- 21. Students participated and received the certificates and internship.

Publications

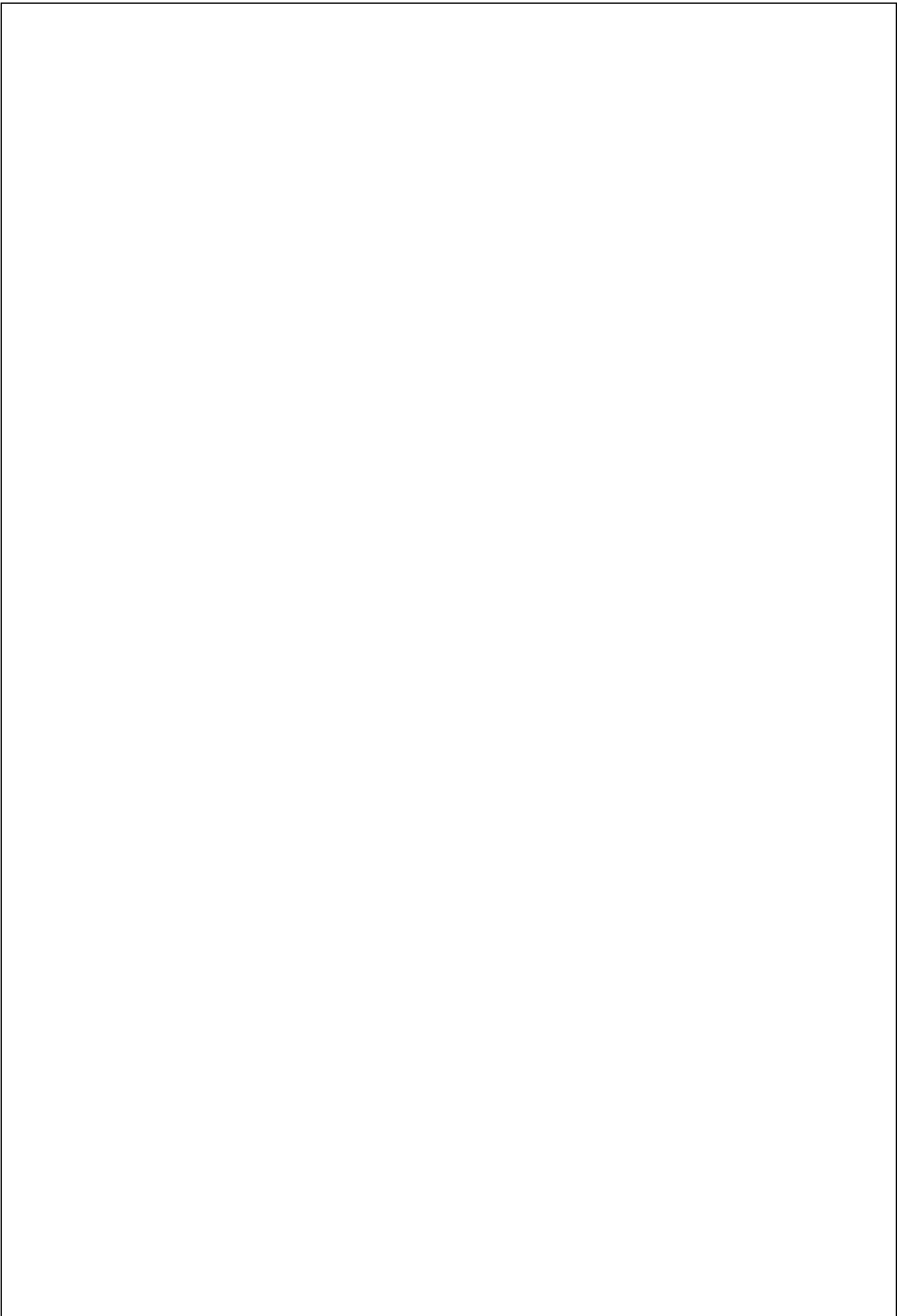
1. **Keerthika V** , Facemask Detector Using Machine Learning Techniques” IJARIE, volume-7 (Issue-3), 2644-2649, June 2021
2. **Keerthika V.** “An Enhanced Encryption Security System For Data Privacy In Medical System Using Blockchain Technology”, Journal of critical Review(JCR). Aug-2020; 7(10): 2398-2407
3. **Keerthika V.**, Paper titled, “ Medical Assistance using Text Based Healthcare Chatbot” ,” International Journal Of Research Review In Engineering Science and Technology”,(IJRREM),” Volume- 4.Issue -8(1-9), Aug-2020.
4. **Keerthika V.**, Paper titled “Mitigate Black Hole Attack Using Hybrid Bee Optimized Weighted Trust With 2-Opt AODV in MANET”, “Wireless Personal Communication” Springer, March ,2019.
5. **Keerthika V.**, “Enhanced AODV protocol to secure routing in MANET with Optimization Techniques” ,“International Journal of Engineering and Technology” , 7(2.19) pp. 75-79, April, 2018.
6. **Keerthika V.**, "Mitigate Black Hole Attack Using Bee Optimized Weighted Trust With AODV in MANET" , “ International Journal of Information and Computer Security ”, Inderscience Publishers Ltd, , DOI: 10.1504/IJICS.2019.10016179. March 2018
7. **Keerthika V.** “A Survey on Bio Inspired Algorithms for Trusted AODV Routing Optimization in MANET” ,“Middle-East Journal of Scientific Research 24 (Techniques and Algorithms in Emerging Technologies): 596-601, ISSN 1990-9233, 2016
8. **Keerthika V.** , “Impact of black hole attack under different scenarios on ad hoc on-demand distance vector ,”Institute of Integrative Omics and Applied Biotechnology (IIOAB) - ISSN: 0976-3104”.,special issue of Emerging Technologies in Networking and Security (ETNS), Vol. 7 (9): 472-478 ,28 Aug- 2016
9. **Keerthika V.** , “Mitigate black hole attack using trust with AODV in MANET” ,INDIACom-2016; IEEE Conference ID:374652016 , IEEE-Explore **Electronic ISBN:** 3978-9-3805-4421-2 **DVD ISBN:** 978-9-3805-4420-5 ,Oct-2016

Patent Details

1. Application Filing Receipt (AFR) received from the Indian Patent Office for the patent application titled “Automatic Tool booth collection system using RFID with IoT ” bearing Application No. 202021011522, Filed on March 17, 2020
2. Application Filing Receipt (AFR) received from the Indian Patent Office for the patent application titled “Join pain Treatment and Notification using IoT Based system” bearing Application No. 202041057132, Filed on Dec 31, 2020

Contact Details

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