

Dr. C.Vinola

Associate Prof. & Head,
Dept. of CSE(IoT, CyberSecurity including Block Chain
Technology)
Sri Sairam College of Engineering,
Anekal, Bengaluru

**CAREER OBJECTIVE**

To apply the acquired knowledge for the betterment of the institution by being a sincere, dedicated and reliable research-oriented professional while always looking for areas of self-improvement

PROFILE SUMMARY

- Doctorate in Information and Communication Engineering for the work titled “Enhancing Real Time Emotional Perception Of Visually Impaired People Using Machine Learning Techniques”
- Rich teaching and research experience of more than 13 years in the Computer Science and Engineering Department of the reputed institutions with good publication record
- Handled various subjects for UG and PG students of the department with utmost effort in providing sound knowledge and strong foundation for the students and also in securing good pass percentage
- Played the role of mentor, trainer and coordinator in different opportunities for the proper conduct of the programs in the department

EDUCATION

- PhD (Information and Communication Engineering) , Anna University, Chennai, Tamilnadu, 2014-2020
- M.E (Computer Science and Engineering), Mepco Schlenk Engineering College, Sivakasi, Tamilnadu, 2000-2002 – 80% aggregate
- B.E (Electrical and Electronics Engineering), Government College of Engineering, Tirunelveli, Tamilnadu, 1996-2000 – 75.56% aggregate

WORK PROFILE

- Head of the Department of CSE(IoT & Cyber Security including Block chain Technology), Sri Sairam College of Engineering, Anekal, Bengaluru from May 2024 till date
- Associate Professor in the Department of Computer Science and Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru from December 2022 till May 2024
- Assistant Professor in the Department of Computer Science & Engineering in Francis Xavier Engineering College, Tirunelveli, Tamilnadu from May 2013 till January 2017
- Lecturer & Assistant Professor in the Department of Computer Science & Engineering in B.S.A Crescent Engineering College, Vandalur, Chennai (Now, B.S.Abdur Rahman university) from July 2007 till April 2010
- Lecturer in the Department of Computer Science & Engineering, Mepco Schlenk Engineering College, Sivakasi, Tamilnadu from Jan 2002 till Dec 2006
- Total of 12 years and 10 months teaching experience for UG and PG students of Computer Science and Engineering Department in reputed institutions

ADDITIONAL RESPONSIBILITIES HELD

- Intel Unnati Internship Coordinator
- Project Coordinator
- Department coordinator for the Accreditation process
- Class Advisor and Mentor for a batch of students

ACADEMIC PROFILE

- **Publications**
 - Vinola C, Arfa Khanum ,Gautham Sidharth, Athil Latheef, Asma Ishrath S M, “Automated Patient data monitoring System using IoT Enabled wearable device”, 2024, International Journal of Advanced Trends in Engineering and Management (IJATEM), pp.78-86.
 - Vinola C, Mounasri V, Naveen Rajan , Guruprasath, “Proof of stake beyond wealth: A novel blockchain consensus algorithm”2024, International Journal of Advanced Trends in Engineering and Management (IJATEM), PP.742-748.
 - Vinola C.;Solainayagi P.;Kuppusamy P.G.;Premi G.;Srinivasan C., Data Privacy and Confidentiality in Healthcare Applications of IoT-Enabled Wireless Sensor Network, 2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, Volume , Year 2023, Pages 610-614
 - Pavithra.B, Vinola.C, Nilamadhab Mishra, Naveen. G, Cloud Security Analysis using Machine Learning Algorithms, IEEE Proceedings of Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2023) ISBN : 979-8-3503

- Vimala Thayan, Chitra Sabapathy, Vinola.C, G.Venakatesh, Meenakshi, Murugan, Smart Tracking and Surveillance Systems for Automated Delivery Robots in Food and E-Commerce Systems, IEEE Proceedings, MRTM 2023
- Vinola C, Deepu S, Kushal Reddy P, Ankith Gowda YC, “AR and VR on Real Estate Mapping”, International Research Journal of Computer Science, Volume 10, Year 2023, Pages 245-249
- Dr.B.Shadaksharappa, Dr. Smitha J A, Dr Suresha, Dr.C.Vinola, “Smart Navigation and Inspection System for Aquaculture Development under Controlled Parameters” International Journal of Innovative Research in Advanced Engineering, Volume 10, Year 2023, Pages 375-378
- Vinola.C, Rahul R.Golbhavi, Pavan kumar, Pavan Reddy, “Enhancing Cyber security through the Utilization of Block chain technology”, International Journal of Innovative Research In Information Security, Volume 9, Year 2023, Pages 92-96
- Vinola C, Vimala devi K, Valarmathi K, Manjula V., Muthurajkumar S. “Region based Facial Expression Recognition using gradient directions”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-4, February 2020
- Vinola, C, Vimala Devi, K, 2019, “Smile intensity recognition in real time videos: fuzzy system approach”, Multimedia Tools and Applications (Springer)- SCI, Scopus Indexed, , vol.78, no.11, pp. 15033-15052, ISSN : 1380-7501 I.F-2.101, doi: <https://doi.org/10.1007/s11042-018-6890-8>
- Vinola, C, Vimala Devi, K, 2015, “A Survey on Human Emotion Recognition Approaches, Databases and Applications”, ELCVIA Electronic Letters on Computer Vision and Image Analysis, vol.14, no. 2, pp 24-44, ISSN 1577-5097. Scopus Indexed Available at: <<https://elcvia.cvc.uab.es/article/view/v14-n2-vinola-vimaladevi>> doi:<https://doi.org/10.5565/rev/elcvia.795>.
- S.S.Deepthi, C.Vinola, 2016, “Extraction of the Segmented Region To Detect The Lung Cancer Based On CT Images”, IJARTET, vol. 3, pp. 39-49, ISSN: 2394-3785
- S.Aarthi, S.Alagu Priya, M.Mathubala, C.Vinola, 2016, “Automatic Tuberculosis Identification In Radiograph Images By Fusion Of Textural Focal And Shape Parameters”, IJARBEST, vol. II, pp.5-9, ISSN: 2395-695X
- M.Priyanga, C.Vinola, B.Benita, 2016, “Frequency Hopping and Rate Adaptation Based time Delayed Broadcast Schemeto Overcome Jamming Attacks”, vol.4, pp.17232-17238 , ISSN: 2320-9798
- K.Jeya, C.Vinola, 2016, “Gradient Based Image Segmentation and Automatic Cloud Detection”, vol.3, pp.1-7 ISSN:2394-3777

- P.Alagumari, C.Vinola, S.N.Ananthi, 2015, “An Innovative Approach For Data Hiding In Colour Images Using Compression Techniques”, Innovative Journal of Innovative Research in Technology, vol. 1, Issue. 11, pp.34 -37, ISSN: 2349-6002
- M.Sona, C.Vinola, M.Asia Sahaya Christina, N.L.Anto Arockia Mary, 2015, “A Study on Hadoop HDFS and Mapreduce”, IJSRD, vol. 3, Issue. 1, pp. 1381-1383, ISSN: 2321- 0613
- B Selvi, C Vinola, DR Ravi, 2014, “Efficient Allocation of Resources in Cloud Server Using Lopsidedness”, International Journal of Computer Science and Mobile Computing 3, 1007-1012
- M.Sona, C.Vinola, M.Asia Sahaya Christina, 2015, “Efficient Performance of Capricious Fault Tolerant Mapreduce Framework”, Proceedings of NCITE’15
- K.Jeya, C.Vinola, 2015, “ Super Pixel Segmentation based Automatic Cloud Detection”, Proceedings of INCETET’15
- B Selvi, C Vinola, DR Ravi, 2014, “Dynamic Resource Allocation to avoid Overload using Virtual Machine in Cloud” , Proceedings of NACIPAN’14
- C.Vinola,2009, “Demand Side Management with load forecasting using ANN” , AICTE sponsored National Conference on Intelligent Computing held at RGCET, Pondicherry
- Co-Authored a paper “Artificial Neural network for industrial Fermentation” for GSPx 2004 – International Signal Processing Conference at Santa Clara, CA, USA

- **Patent Published**

Dr. B. Shadaksharappa , Dr.Smitha J A, Dr.Vinola. C, Dr.Mahesh A, Nithya Kalyani T, Suguna A, “Artificial Intelligence Based Wearable Virtual Doctor To Manage And Care Provide The Patients Data In” - Application No.202341073235 A

- **Workshops/FDPs attended**

- NPTEL-AICTE FDP on “Information Security” -2025
- NPTEL-AICTE FDP on “Blockchain Technology” -2025
- 5 days ATAL FDP on “Cyber Security”
- NPTEL-AICTE FDP on “ Introduction to IoT”
- NPTEL-AICTE FDP on “Problem Solving through Programming In C” – 2024
- NPTEL-AICTE FDP on “Deep Learning” – 2024
- NPTEL-AICTE FDP on “Problem Solving through Programming In C” – 2023
- NPTEL-AICTE FDP on “Programming and Data structures using Python” - 2023
- Online Faculty Development Program on IOT & Drone from 27-02-2023 to 04-03-2023 conducted by E & ICT Academy, IIT Kanpur

- Online Faculty Development Program on CyberSecurity from 20/02/23 to 24/02/23 conducted by E & ICT Academy, IIT Kanpur
- Online Faculty Development Program on “AI Insights: Predictive Power of ML, DL & NLP”, from 14-05-2024 to 18-05-2024, Spoorthy Engineering College
- Online training on “IEEE Xplore Digital Library” conducted by Kalasalingam Academy of Research & Education in 2020
- Webinar on “IT modernization and Digital Transformation, a open source way in COVID-19” presented by REDHAT professional Singapore and conducted by P.S.R Engineering College for women, Sivakasi in May 2020
- Webinar on “IPR for Engineers” conducted by Kings Engineering College in 2020
- 5 days FDP on “ Deep Neural Networks and Expert Systems” from 25 -29 May 2020 organized by P.S.R Engineering College, Sivakasi
- National workshop on “Applications of Soft ComputingTechniques in Engineering” on 16 & 17 February 2017 organized by Department of EEE at Francis Xavier Engineering College, Tirunelveli
- One day FDP on “Quality Assurance & Programme Accreditation” organized by Quality Improvement Cell and Centre for Research and Innovation, SCAD College of Engineering and Technology on May 25,2016
- Faculty Training programme on “LATEX” on 12 Jan 2016 organized by Department of IT, Francis Xavier Engineering College
- Hands on Training Programme on “ Soft Computing using MATLAB” from 9-11 Oct 2015 at Department of CT, MIT Campus, Anna University, Chennai
- One day FDP in the topic “Computer Programming” on June 22, 2015 at Francis Xavier Engineering College, Tirunelveli
- 2 days Training on “ Digital Image Processing using MATLAB” on 20th and 21st June 2015 organized by Computer Centre, MIT Campus, Anna University, Chennai.
- 7 days FDP on “C# and .NET framework” from 25-31 May 2015 at Einstein College of Engineering
- National Workshop on “Frontiers in Computer Vision” on 21 Nov, 2014 organized by the School of Computing Science and Engineering, VIT Chennai
- Two day Seminar & FDP on “Advanced Digital Image Processing” on 4th and 5th April 2014 organized by Department of ECE, Anna University Regional Centre, Coimbatore
- Workshop on “Image and Pattern Recognition” on March 22, 2014 at Anna University, Bharathidasan Institute of Technology, Tiruchirapalli

- 12 days AICTE sponsored FDP on “Prevention of Cyber Crime using Network Security methods” from 10 - 22 June 2013 held at Francis Xavier Engineering College, Tirunelveli
- Two days national seminar on “Security of Insecurity in Cyber-Space Challenges of Today and Tomorrow” from 26 – 27, April 2010 at B.S.Abdur Rahman University, Chennai
- Workshop on “Ethical Hacking and Information Security” on 23rd and 24th March 2010 conducted by BITS Pilani in association with Innobuzz Knowledge solutions at B.S.Abdur Rahman University, Chennai
- Technical Seminar on “Virtualization Technologies” on 8 Jan, 2010 organized by Department of CSE, B.S.Abdur Rahman University, Chennai
- Technology workshop on “Optimizing Performance of parallel programs on Emerging Multicore processors” from June 1 – 5, 2009 conducted in IIT Chennai
- ISTE workshop on “Training The Trainers” on 25 Feb, 2005 at Mepco Schlenk Engineering College, Sivakasi, India.
- AICTE- ISTE STP on “Internet Traffic Measurement & Management” from 17th to 22nd May 2004 at Noorul Islam College of Engineering, Thackalay
- AICTE- ISTE STP on “Advanced Web Technology” from 25th Oct to 5th Nov, 2004 at Mepco Schlenk Engineering College, Sivakasi, India.
- Workshop on “Networking & Internet” on 11th and 12th Feb, 2001 organized by Mepco Schlenk Engineering College, Sivakasi, India and Unity Electro Systems, Coimbatore, India.

- **Academic Achievements**

- Recognised as **VTU research supervisor** for guiding PhD Research Scholars
- Received “**NPTEL DISCIPLINE STAR**” recognition for July-December 2024
- Received **Topper category** for the following courses in NPTEL
 - Block chain Technology(Silver)
 - Cyber Security and Privacy(Silver)
 - Programming and Data Structures using Python(Silver)
 - Problem solving through programming in C(Silver)
 - Introduction to IOT(Gold)

- Received **100% Pass Percentage** in handling the following subjects
 - Design and Analysis of Algorithms
 - Principles of Programming Languages
 - Operating Systems
 - Advanced Data Structures and Algorithms
 - Data Communication Networks
- Received **Intel Project Mentor** Certificate

PERSONAL DETAILS

Nationality : Indian

Languages Known : Tamil, English, Hindi (read & understand)