

**Ms. Shibili T**

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Qualifications:

- B.Tech in Computer Science & Engineering
- M.Tech in Computer Science
- (Pursuing PhD)

Experience:

- Working as Assistant Professor in College of Engineering Vadakara since 01/07/2003.
- Worked as Guest lecturer in Govt. Poly Technique college, Kozhikode for 2 years
- Total teaching experience: 20years

Areas of Interest:

- Digital image processing
- Data Mining
- Machine learning

Positions held:

- Member of BOG
- Institutional nodal officer of SDPK project
- Technical committee expert member of S.A.R.B.T.M Govt. College
- Academic nodal officer of TEQIP
- IQAC member
- Grievance cell coordinator
- Worked as Head Of the Department(CSE)
- Worked as Nodal officer AISHE
- Worked as Member of college Council
- Worked as Women cell coordinator
- Worked as Internal complaints committee chairperson
- Worked as IQAC coordinator
- Worked as RUSSA Nodal officer
- Faculty Advisor of 2017-21 CSE batch.
- Faculty in charge of central computing facility.

Subjects Taught:

- System software, System programming, Database management systems, Design and Engineering, Computing and problem solving, Cryptography and network security, Operating Systems, Computer programming, Security in computing, Artificial Intelligence, Computer organization and architecture, Computer Algorithms, Data structures, Automata languages and computing, Computer Networks, Object oriented modelling and design, object oriented programming using C++, Client server computing, Microprocessors, Programming in C
- System software lab, Free and open source software lab, Python programming Lab, C programming lab, Computer science workshop, Language Processor Lab, System programming lab, Data structures Lab, Network programming lab.

Projects Guided:

Guided more than 20 under graduate major projects including:

- Identification of disease in plant leaf using image processing
- Driver monitoring and accident detection system
- Object detection in video surveillance
- ROBE- encryption protocol for secure mobile cloud computing

Publications:

- "Leaf disease identification using machine learning", National conference on Advances in computing communication signals energy and technology (ACCSET 21) May 2021.
- "An Application of Non-local Means Algorithm for Denoising Low Dose Computed Tomography", International Conference on Innovative Computing & Communication (ICICC) 2020, Delhi university, February 2020
- "Liver Disease Diagnosis System Using Machine Learning", International Journal of Innovative Science and Research Technology, Volume 6, Issue 3, March 2021
- "Sequential Pattern Miner to Identify the Research Area Shift of Researchers", International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 03,| Mar 2021
- "Facial Expression Based Driver Monitoring and Accident Detection System", International Journal of Innovative Science and Research Technology ,Volume 6, Issue 3, March 2021
- "Low dose CT image enhancement using various denoising filters", National conference on Innovations in Computing Paradigms & Image Processing, September 2016.
- "Network Intrusion Detection Using Temporal Association Rules", International Journal of Scientific & Engineering Research, Volume 5, Issue 3, March-2014.
- "Secure and efficient audio transmission over wireless multimedia sensor networks", National conference on information, communication and intelligent systems, February 2011

Training Programmes Organised:

- Technical talk on Trends on computational science.
- Workshop on Android application development.
- Convenor of National conference on Innovations in Computing Paradigms & Image Processing

- workshop on OPEN GL
- Expert talk in ' latest database management system trends'.
- Workshop on compiler construction
- Workshop on networking through open source
- Expert talk on total quality management
- Co-coordinator of national conference on mathematical modelling and soft computing.

Training Programmes Attended:

- SDP on compiler construction at RSET
- FDP on Soft computing theory and techniques at NIT Calicut
- FDP on Open source solution for web application at GEC Kannur
- FDP on computer vision at CE Vadakara
- FDP on intelligent system at CE Vadakara
- FDP on image computing and applications at NIT Calicut
- STTP on technology enabled teaching and learning at IIM Calicut
- FDP on signal processing and pattern analysis at GEC Kozhikode
- FDP on pattern recognition and machine learning at CE Vadakara
- Workshop on data analysis using R at kannur university
- FDP on research methodology for science at NIT Calicut
- FDP on administering network components at CE Vadakara
- FDP on compiler design at CE Thalassery
- FDP on outcome based education CE Kidangoor
- Workshop on medical imaging techniques and image processing at IIT Delhi
- FDP on bio signal processing at CE vadakara
- FDP on web technologies at CE thalassery
- Educational leadership programme at IIM Calicut
- STTP on web development using php and mysql at ESCI Hyderabad
- FDP on android application development at GEC Kannur
- FDP on teaching & learning at IIT madras
- FDP on medical imaging techniques post processing and applications at IIT Delhi
- Workshop on data analytics using python at KONGU Engineering College
- Workshop on NBA Accreditation at CE Thalassery
- FDP on Image processing and computer vision at GEC Kannur
- STTP on Information security and ethical hacking at GEC Kannur
- Workshop on Machine learning at CUSAT
- Workshop on Machine learning techniques and tools at CE Vadakara
- Training on Deep learning using python at GEC Calicut
- Summer school on Deep learning at CUSAT
- Training program on Linux kernel internals and development at GEC Kannur
- Online summer school on advances in Advances in Signal Processing and Machine Learning by Delhi university
- Online FDP on "Applications of Artificial Intelligence and IoT in Engineering" by CE Perumon
- Online FDP on Data science using python by CE Vadakara

Professional Body Memberships:

- Life Member of The Indian Society for Technical Education (ISTE)
- Member of Computer Society of India (CSI)