



Mrs Fathima A.

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Qualifications:

- B Sc Physics
- Master of Computer Applications
- Pursuing PhD

Experience:

- Working as Assistant Professor in College of Engineering Vadakara since 01/07/2013
- Worked as Lecturer in University Institute of Technology, Kerala University Regional Center, Pathanapuram for 1 yr.
- Worked as Software Engineer in RaisTechnologies, Sharjah , UAE for 4 yrs.
- Worked as System Analyst in AlManama, Ajman, UAE for 2 yrs.
- Worked as Lecturer in School of Technology and Applied Sciences , M G University Regional Centre, Pathanamthitta for 4 yrs.
- Total service: 19 years

Areas of Interest:

- Internet of Things
- Machine Learning
- Big Data

Positions held:

- Chairperson of the Gender Justice Committee from 2018.
- Convener of the Internal Complaints Committee.
- Convener of the college Women's Cell.
- Nodal Officer of the Kerala Haritha Mission.

- Member of IQAC.
- Convenor of the Campus Monitoring Committee during the year 2014-17.
- Staff Editor of the College Magazine during the year 2014-15 and 2015-16.
- Academic Co-ordinator of the department during 2016-18
- NAAC Co-ordinator for the Department in 2017-18.
- Class Advisor of 2013-16 batch, 2016-19 batch and 2019-2022 batch
- Program Committee Convenor of the College Arts Fest "Sahasra" during the year 2014-15.
- Program Committee Convenor of the College Technical Fest "Quaso Liberum" during the year 2015-16.

Subjects Taught:

- Internet of Things, Big Data Technologies, Business Intelligence and its Applications, Software Engineering, Database Management System, Advanced DBMS, Computer Networks, System Software, Principles of Management, Cryptography and Cyber Security, Security Threats and Vulnerabilities, Security Measures and Computing.
- Networking Lab, Mobile Application Development Lab, Web Programming Lab, Programming in C Lab, Data Structures Lab, Database Lab, Advanced DBMS Lab.

Projects Guided:

- SIGNLY : REAL TIME SIGN LANGUAGE INTERPRETER, 2020-21
- LET'S HOPE: DEPRESSION DETECTION SYSTEM, 2020-21
- CLINICAL DATA FUSION AND MACHINE LEARNING TECHNIQUES FOR SMART HEALTHCARE, 2020-21
- PRIVILEGE POINT MARKING SYSTEM , 2020-21
- ONLINE SHOPPING-DELIVERY STAFF APP, 2020-21
- ZAMSOUQ : B2B E-COMMERCE APPLICATION, 2020-21
- STOCK MARKET PREDICTION WEB BASED APPLICATION
- LING ONLINE CARD , 2020-21
- VPC IMPLEMENTATION USING TERRAFORM AND DEPLOYMENT ON DIFFERENT CLOUD PROVIDERS , 2020-21
- SPEAKEAZY ACCOUNT MANAGEMENT SYSTEM , 2020-21
- ONLINE RESTAURANT MANAGEMENT SYSTEM QUOT , 2020-21
- KNOW YOUR LOCALITY , 2020-21
- SELLER WEB APPLICATION , 2020-21
- EDU PRO – SCHOOL MANAGEMENT SYSTEM , 2020-21
- DELBOYS , 2020-21
- QUICK DELIVERY , 2020-21
- LCC DATA CAPTURING , 2019-20
- SEAT FINDER QUALITY CHECKER , 2019-20
- HR MANAGEMENT SYSTEM , 2019-20
- ONLINE APPOINTMENT SYSTEM REPORTING DASHBOARD, 2019-20
- SCALABLE INVENTORY MANAGEMENT SYSTEM, 2019-20
- ON ROAD VEHICLE BREAKDOWN ASSISTANCE , 2019-20
- DIJKSTRA-THE SHORTEST PATH TO SATIETY , 2019-20
- WEB PLATFORM FOR APTITUDE ASSESSMENT , 2018-19
- CLOUD FARM HUB , 2018-19
- EMPOWERMENT OF WOMEN ENTREPRENEURSHIP , 2018-19
- ONLINE PATIENT APPOINTMENT SYSTEM , 2018-19
- KTDFC BUS TERMINAL COMPLEX AUTOMATION , 2018-19

- OPTIMIZING ENTERPRISE ECONOMICS WITH SERVERLESS ARCHITECTURES , 2018-19
- PERFORMING MULTIPLICATION IN IMAGE FILTERING PROCESS USING VEDIC MATHEMATICS, 2016-17
- STARTCHASE PURSUIT MANAGEMENT SYSTEM, 2016-17
- SOCIAL CONTENT ANALYSIS,2016-17
- SECURE MAIL USING VISUAL CRYPTOGRAPHY,2016-17
- ENTE MUKKAM, 2016-17
- ONLINE EMPLOYMENT EXCHANGE, 2016-17
- DIALER LOCK-A SIMPLE TEXT BASED SURFING RESISTANT GRAPHICAL PASSWORD SCHEME,2016-17
- CRIME RECORD MANAGEMENT SYSTEM,2016-17
- PERMISSION CARD SYSTEM FOR DOMESTIC MIGRANT LABOURS,2016-17.
- NOVEL ANTIPHISHING USING VISUAL CRYPTOGRAPHY, 2015-16.
- BIO-METRIC DATABASED VILLAGE SUITE, 2015-16
- DISEASE PREDICTING SYSTEM, 2015-16
- INFORMATION SECURITY IN HAND-HELD DEVICES USING AES,2015-16

- **Publications:**

- “An integrated review on machine learning approaches for heart disease prediction: Direction towards future research gaps”, International Journal of Bio-Algorithms and Med-Systems, July 2021, <https://doi.org/10.1515/bams-2020-0069>.
- “Effective Heart Disease Prediction by IoT wearable medical devices using Deep Belief Network”, International Conference on Advances in Materials, Computing and Communication Technologies (ICAMCCT) 2021, Annai Vailankanni College of Engineering, Kanyakumari , April 2021.
- “Utilizing IoT wearable medical devices for Heart Disease Prediction using Deep Belief Network”, National Conference on Computational and Scientific Era (NCCSE’21) , Noorul Islam Centre for Higher Education , May 2021.

Training Programmes Organised:

- Workshop on Soft Skill Development .
- Workshop on Effective Communication Skills .
- Workshop on Android Application Development.
- Workshop on Agile Methodology.
- Awareness programme for a Healthy Campus.

Conferences Co-ordinated :

- National Conference on Discrete Mathematics and Computing, NCDMC'17 conducted during the year 2016-'17.

Training Programmes Attended:

- Five days FDP on “Business Intelligence, Applications and Tools” conducted on 7th June to 11th June 2021 at Musaliar College of Engineering and Technology, Pathanamthitta.
- Three days FDP on “Recent developments in Machine learning and Data Science” conducted on 2nd,3rd and 4th of June 2021 at Toc H Institute of Science and Technology.
- Three days FDP on “Systemizing Research-Problem Finding to Patenting” conducted on 29th to 31st of March 2021 at Rajagiri School of Engineering and Technology.
- Three days FDP on “Recent trends in Image Processing” conducted on 25th,26th and 27th of March 2021 at College of Engineering ,Vatakara.
- Five days FDP on “Wearable Devices” conducted on 1st to 5th of February 2021 at Shri Vithal Education and Research Institute College of Engineering.
- Three days FDP on “Data Science using Python” conducted on 28th to 30th of January 2021 at College of Engineering ,Vadakara.
- Five days FDP on “Wearable Devices” conducted on 18th to 22nd of January 2021 at University Visvesaraya College of Engineering.
- Five days FDP on “Internet of Things” conducted on 11th to 15th of January 2021 at LBS College of Engineering, Kasargod.
- Five days FDP on “Trends and Technologies in Digital Era” conducted on 27th to 31st July 2020 at Noorul Islam Centre for Higher Education.
- Ten days FDP on “Artificial Intelligence, Machine Learning, Deep Learning and its Applications” conducted by EduxLabs from 3rd July to 12th July ,2020 .
- Five days FDP on “Artificial Intelligence and Machine Learning” conducted by CMR Technical Campus, Hyderabad from 18th May to 22nd May ,2020 .
- Six days FDP on “Formal Languages and Automata Theory” conducted by College of Engineering, Vadakara from 06.02.2017 to 11.02.2017 .
- Three days FDP on “Power and Control Equipment Familiarisation Program” conducted by PETRAC Moolamattom Idukki from 14.12.2016 to 16.12.2016’

- Six days FDP on “Educational Leadership Programme” conducted by IIM,Kozhikode from 23.05.2016 to 28.05.2016 .
- Six days FDP on “Data Mining and its Applications” conducted by College of Engineering, Vadakara from 04.04.2016 to 09.04.2016 .
- Three days FDP on “Compiler Design” conducted by College of Engineering, Vadakara from 03.12.2015 to 05.12.2015.
- Five days FDP on “ Computer Networking and Management” conducted by College of Engineering, Vadakara from 16.11.2015 to 20.11.2015.
- Five days FDP on “Programming Skill Development in Matlab and Advance Technical writing using LATEX” conducted by College of Engineering, Vadakara from 10.08.2015 to 14.08.2015.
- Six days FDP on “Scope of Research in Natural Language Processing” conducted by College of Engineering, Vadakara from 05.01.2015 to 09.01.2015.
- Five days STTP On “Vedic Mathematics” conducted by College of Engineering, Vadakara from 25.11.2013 to 29.11.2013.
- Five days FDP on “ Intelligent Systems” conducted by College of Engineering, Vadakara from 21.10.2013 to 25.10.2013.
- Five days FDP on “Digital Image Processing” conducted by College of Engineering, Vadakara from 09.09.2013 to 13.09.2013
- Five days FDP on “Robotics and Embedded Systems”conducted by College of Engineering, Vadakara from 03.09.2013 to 07.09.2013.
- Five days FDP on “Embedded Systems”conducted by College of Engineering, Vadakara from 27.08.2013 to 31.08.2013.
- **Professional Body Memberships:**
- Life Member of The Indian Society for Technical Education (ISTE)