ILAHIA COLLEGE OF ENGINEERING AND TECHNOLOGY

Dr.S Vadhana Kumari (Ph.D)

W/O, T. Maria Selvan Mulluvilai, Attoor, Thiruvattar P.O., Kanyakumari District,
Tamil Nadu, India. 629177 Attoor
+9443993412
vadhanakumari@icet.ac.in

Qualifications

Qualifications	Course	Institution	University	CompletionDate / Status
Ph.D	Computer Science and Engineering	Anna University	Anna University	27 Jul 2018
Post-Graduation	Computer Science and Engineering	The Raajas Engineering college, Vadakkankulam, Tamil Nadu	Anna University	03 May 2009
Graduation	Computer Science and Engineering	Institute of Engineers(IE), Trivandrum	Institute of Engineers(IE), Kolkata	10 Jun 2006
Diploma	Computer Science	Morning Star Polytechnic College	Directorate of Technical Education	20 Apr 1989

Certification Program

Course	Institution	University	Completion Date
Compiler Design	IIT, Kharagpur	NPTEL	30 Apr 2020
Programming, Data structures and Algorithms using Python	NPTEL	IIT, Madras	29 Sep 2019

Course	Institution	University	Completion Date
Programming in C	NPTEL	IIT, Madras	25 Apr 2019

Professional Experience

Duration	Exprience	Status	Organization	Department	Designation	Keyareas
10 Mar 2022-10 May 2022	00 Years, 2 Months, 0 Days	Currently Associated	Ilahia College of Engineering and Technology	Computer Science	Professor	Research Lab .Coordinator
10 Dec 2018-08 Mar 2022	03 Years, 2 Months, 29 Days	Previously Working	Ponjesly College of Engineering, Nagercoil, Kanyakumari District	Computer Science	Professor	IQAC Coordinator, HOD Incharge
01 Jul 2009-08 Dec 2018	09 Years, 5 Months, 7 Days	Previously Working	Maria College of Engineering and Technology	Computer Science	Professor	Head of the Department, Convener of the International conferences
03 Apr 2006-30 Jun 2009	03 Years, 2 Months, 27 Days	Previously Working	Noorul Islam Engineering College	Computer Science	Assistant Professor	
25 Sep 2000-03 Apr 2006	05 Years, 6 Months, 8 Days	Previously Working	Noorul Islam Polytechnic College	Computer Science	Lecturer	

Achievements/Awards

Type	Achievments/Awards

Type	Achievments/Awards
Achievement	Received "The Best Paper Award" in Game Theory Based Defense Technique (GTDT): A Novel Approach for the Detection of Jamming Attacks in MANET', International Conference on Microelectronics, Communication and Computation, SAN DIEGO, USA.

Publications

Review Publications:

- Publication Type: ReviewPublications
- Title: A Novel Approach: Sybil Attack Detection for Anonymous Location-Based Routing in MANET
- Indexed In:
- Event Status: International
- Main Author: Dr. S. Vadhana Kumari
- Co-Author: Dr. B. Paramasivan
- Journal Name: International Journal of Applied Engineering Research (IJAER)
- Date: 2015-05-15
- UGCapproval: Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year: 2015
- Details:

Review Publications:

- Publication Type: ReviewPublications
- Title: Identify malicious activities using host-based IDSs in high security Mobile Adhoc Networks (MANETs)
- Indexed In:
- Event Status: International
- Main Author: Dr. S. Vadhana Kumari
- Co-Author:
- Journal Name: International Journal of advanced computing and communication systems (IJACCS)
- Date: 2014-02-22
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year: 2014
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Defense against Sybil attacks and authentication for anonymous location based routing in MANET
- Indexed In: Web of science
- Event Status: International

- Main Author: Dr. S. Vadhana Kumari
- Co-Author: Dr. B. Paramasivan
- Journal Name: The Journal of Mobile Communication, Computation and Information (SPRINGER), Wireless Networks
- Date: 2017-10-26
- UGCapproval: Approved
- ISSN No: ISSN 1022-0038
- Volume:
- Issue: IF 0.961
- Page Number: DOI 10.1007/s11276-015-1178-7
- Year: 2017
- Details: Anna University Annexure I

Research Publications:

- Publication Type: ResearchPublications
- Title: Game Theory Based Defense Technique for Jamming Attacks in Mobile Ad Hoc Networks
- Indexed In: Web of science
- Event Status: International
- Main Author: Dr. S. Vadhana Kumari
- Co-Author: Dr. B. Paramasivan
- Journal Name: The Journal of Computational and Theoretical Nanoscience
- Date: 2017-02-28
- UGCapproval: Approved
- ISSN No: ISSN:1546-1955
- Volume:
- Issue: IF 1.665
- Page Number:
- Year: 2017
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Collaborative Path Tracing System (CPTS): A Novel Approach for Detecting Black Hole Attacks in MANET
- Indexed In:
- Event Status: International
- Main Author: Dr. S. Vadhana Kumari
- Co-Author:
- Journal Name: International Journal of Emerging Trends in Science and Technology (IJETST)
- Date: 2016-05-10
- UGCapproval: Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year: 2016
- Details:

Research Publications:

- Publication Type: ResearchPublications

- Title: Ant Based Defense Mechanism for Selective Forwarding Attack in MANET
- Indexed In: Scopus
- Event Status: International
- Main Author: Dr. S. Vadhana Kumari
- Co-Author: Dr. B. Paramasivan
- Journal Name: IEEE International Conference on Data Engineering Workshops (ICDEW)
- Date: 2015-06-12
- UGCapproval: Approved
- ISSN No:
- Volume: 1
- Issue: 8
- Page Number:
- Year: 2015
- Details:

Seminars/Workshops/Conferences/Presentation/Poster Presentation

Conferences:

- Event Status: International
- Title: A Key Based Detection Mechanism for Preventing Black Hole Attacks in MANET
- Start and End date: 17 Jun 2017 - 17 Jun 2017
- Organizing Body:
- Role:
- Details:

Conferences:

- Event Status: International
- Title: Game Theory Based Defense Technique (GTDT): A Novel Approach for the Detection of Jamming Attacks in MANET
- Start and End date: 28 May 2016 - 28 May 2016
- Organizing Body:
- Role:
- Details:

Conferences:

- Event Status: International
- Title: A Novel Approach: Sybil Attack Detection for Anonymous Location-Based Routing in MANET
- Start and End date: 21 Feb 2015 - 22 Feb 2015
- Organizing Body:
- Role:
- Details:

Conferences:

- Event Status: International
- Title: Identify Malicious Activities using Host based IDS in High Security MANETs
- Start and End date: 12 Jul 2013 - 14 Jul 2013
- Organizing Body:
- Role:

- Details:

Staff Development Programs:

- Event Status: National
- Title: Robotics Process Automation
- Start and End date: 04 May 2020 - 06 May 2020
- Organizing Body: JPR Engineering College Chennai
- Role: JPR Engineering College Chennai
- Details:

Staff Development Programs:

- Event Status: National
- Title: Ajile Methodology
- Start and End date: 20 May 2020 - 22 May 2020
- Organizing Body:
- Role:
- Details:

Staff Development Programs:

- Event Status: National
- Title: Recent Trends in Medical Image Processing
- Start and End date: 28 May 2020 - 03 Jun 2020
- Organizing Body:
- Role:
- Details:

Staff Development Programs:

- Event Status: National
- Title: Data Structures
- Start and End date: 25 May 2020 - 29 May 2020
- Organizing Body:
- Role:
- Details:

Webinar:

- Event Status: National
- Title: Data Analytics
- Start and End date: 27 May 2020 - 28 May 2020
- Organizing Body:
- Role:
- Details:

Staff Development Programs:

- Event Status: Institute
- Title: Deveps and Cyber Security
- Start and End date: 10 Jun 2020 - 12 Jun 2020
- Organizing Body:
- Role:
- Details:

Staff Development Programs:

- Event Status: University
- Title: Convolutional Neural Networks
- Start and End date: 08 Jun 2020 - 10 Jun 2020
- Organizing Body:
- Role:
- Details:

Staff Development Programs:

- Event Status: National
- Title: Trends and Challenges in Machine Learning and Deep Learning
- Start and End date: 10 May 2021 - 21 May 2021
- Organizing Body:
- Role:
- Details:

Staff Development Programs:

- Event Status: National
- Title: CS 8592 Object Oriented Analysis and Design
- Start and End date: 29 Jun 2020 - 03 Jul 2020
- Organizing Body:
- Role:
- Details:

Seminars:

- Event Status: International
- Title: Video Composing using VFX
- Start and End date: 01 Jul 2020 - 01 Jul 2020
- Organizing Body:
- Role:
- Details:

Staff Development Programs:

- Event Status: National
- Title: Computer Vision Using Conventional Neural Networks
- Start and End date: 08 Jun 2020 - 10 Jun 2020
- Organizing Body:
- Role:
- Details:

Training:

- Event Status: International
- Title: Value of IEEE Publications in Research and Development
- Start and End date: 11 Jan 2021 - 11 Jan 2021
- Organizing Body: IEEE
- Role: IEEE
- Details:

Training:

- Event Status: National
- Title: Impact on Digital Marketing Techniques on Startup
- Start and End date: 25 Jan 2021 - 25 Jan 2021
- Organizing Body: Ponjesly College of Engineering
- Role: Ponjesly College of Engineering
- Details:

Patents Granted / Filed

Status	Application Number	Date	Details
Granted	202141052317	2021-11-10	Mathematical Application Technology for IOT Data Analysis and Optimization

Professional Affiliations

Affiliation:

Details

Life member in ISTE-LM 85457

Affiliation:

Details

Associate member in Institute of Engineers- G/GIE 541895

Extension Activities

Title	Start And End Date	Role	Details
International conference ICEE'16	25 Feb 2016 - 26 Feb 2016	Convener	Convener of the International conference ICEE'16 at Maria College of Engineering and Technology, Attoor, Kanyakumari District, Tamil Nadu.
International conference ICEE'15	26 Feb 2015 - 27 Feb 2015	Convener	Convener of the International conference ICEE'15 at Maria College of Engineering and Technology, Attoor, Kanyakumari District, Tamil Nadu.
International conference EMICS'14	06 Mar 2014 - 07 Mar 2014	Convener	Convener of the International conference EMICS'14, at Maria College of Engineering and Technology, Attoor, Kanyakumari District, Tamil Nadu.
International conference EMICS'13	07 Mar 2013 - 08 Mar 2013	Co-Convener	Co- Convener of the International conference EMICS'13, at Maria College of Engineering and Technology, Attoor, Kanyakumari District, Tamil Nadu.

Title	Start And End Date	Role	Details
International conference EMICS'12	08 Mar 2012 - 09 Mar 2012	Co-Convener	Co- Convener of the International conference EMICS'12, at Maria College of Engineering and Technology, Attoor, Kanyakumari District, Tamil Nadu.

References

Name	Qualification	Designation	Organisation	EmailId	Mobile Number
Dr. Sherly Alphonse	M.E. Ph.D	Professor	Vellore Institute of Technology (Chennai Campus)	sherls82@gmail.com	9486452045
Dr. Christopher Ezhil Singh	M.E. Ph.D	Professor	Vimal Jyothi Engineering College	christopher0420@vjec.ac.in	8300352566