BIO DATA

Name   :Dr.I.Gethzi Ahila Poornima

Designation   : Assistant Professor (SG)

Department   : Computer Science and Engineering

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1. Educational Qualification :

Degree	Branch/Specialization	Institute/University	Yearof Passing
B.E.	Computer Science & Engineering	PET Engineering College, Valliyoor	2004
M.Tech	Computer Science & Engineering	Kalasalingam University, Srivilliputoor	2011
Ph.D	Information and Communication Engineering	Anna University, Chennai	2021

2. Professional/Industry Experience :(in chronological order)

S.No	Designation	Institution/Organization	Period	
1	Assistant Professor (Senior Grade)	Ramco Institute of Technology	01.01.2023	Till date
2.	Assistant Professor	Ramco Institute of Technology	01.03.2021	31.12.20222
3.	Junior Research Fellow	National Engineering College, Kovilpatti	19.12.2016	28.08.2018
4.	Assistant Professor	Mahakavi Bharathiyar College of Engineering and Technology	17.07.2015	16.12.2016
5.	Assistant Professor	GVN College, Kovilpatti	09.06.2014	11.06.2015
6.	Assistant Professor	Kalasalingam University	07.12.2011	29.12.2012
7.	Programmer	SpectraSoft Technologies	01.11.2007	07.05.2009

3. Research Interest

Wireless Sensor Networks, Machine Learning, Deep Learning, Cryptography

4. Publications

JOURNAL PUBLICATIONS

1. **I.Gethzi Ahila Poornima, B.Paramasivan,** "Anomaly detection in wireless

sensor network using machine learning algorithm " published in Computer communications, Elsevier, Vol.151, pp. 331-337 (2020).

2. **I.Gethzi Ahila Poornima, B.Paramasivan, Dinakaran P** "Design of a Hybrid Programmable 2-D Cellular Automata Based Pseudo Random Number Generator", International Journal of Recent Technology and Engineering,Vol.8, pp.5741-5748 (2020).

3. **I.Gethzi Ahila Poornima, B.Paramasivan, Dr.J.Amutharaj** "Cellular Automata-Based Anomaly Node Detection In Wireless Sensor Network", Journal of Critical Reviews, Vol.7, pp. 1899-1910 (2020).

4. **I.Gethzi Ahila Poornima, B.Paramasivan,** "Anomaly based Web Intrusion detection system in Wireless sensor network using Interdependent Security Game Model", Journal of Web Engineering, Vol.17, pp. 3450 - 3466 (2018).

5. **I.Gethzi Ahila Poornima, B.Paramasivan,** "A Survey on Cellular Automatawith the Application in Pseudo Random Number Generation", Journal ofNetwork and Information Security Volume, Vol.5, pp. 12 - 22 (2017).

6. I.Gethzi Ahila Poornima et al 2020, "Multi Functionality Robot Navigation With Improved Performances", Journal of Critical Reviews, Vol7. Issue: 14,

7. I.Gethzi Ahila Poornima et al 2023, "Deep Learning for the Investigation of Lung and Pancreatic Tumors," IEEE Explorer.

CONFERENCEPUBLICATIONS

- **S.Sivasakthi, I.Gethzi Ahila Poornima,** "Security based on Elliptical Curve Cryptography(ECC)", National Conferenceon Advanced Research Techniques in Information Technology. (2014).

- **I.Gethzi Ahila Poornima, D.Amutha Guka**,"Anomaly detection using Artificial Immune System Approach", International IEEE conference on Computational Intelligence and Computing research.(2011).

- **I. G. A. Poornima**, "Deep Learning for the Investigation of Lung and Pancreatic Tumors," 2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Kirtipur, Nepal, 2023, pp. 669-674, doi: 10.1109/I-SMAC58438.2023.10290585.

- **I.Gethzi Ahila Poornima**, "3D Object Visualization: Simulation of Solar system using Augmented Reality", 2023 First International Conference on Intelligent Solutions for Emergency Response and Disaster Management (ISERDM-2023), NIT, Trichy.

- Presented paper entitled " 2D Rational Chaotic map and Henon map based image cryptosystem" at National Conference on Recent Trends in Engineering and Technology" on May 13, 2023.

5.Short term Courses/ Seminars/FDP/Workshop/ConferenceAttended:

Sl.No	Titleoftheevent	Organizedby	Date	
			From	**To**
1.	Five Days Faculty Development Program on Fundamentals of AI And ML	ICTACADEMY	10.05.2021	14.05.2021

2.	Five Days Faculty Development Program on ASP.NET Programming	ICTAcademy	02.03.2015	06.03.2015
3.	National Level Workshop on "Simulation and Emulation of Self OrganizedNetworks (SEASON-2015).	Kongu Engineering College	10.09.2015	12.09.2015
4.	MachineLearning Workshop	IITMadras Research park.	22.12.2018	23.12.2018
5.	Two days Staff Competence BuildingProgram	G.Venjataswamy Naidu College, Kovilpatti	03.06.2014	04.06.2014
6.	Five Days Faculty development Programon Soft Computing	Kalasalingam University	25.06.2012	29.06.2012
7.	National Seminar on Research and Consultancy Services	R&D, Kalasalingam University	30.12.2011	
8.	Two Days workshop on Art of Counseling	Centre for Learning Technologies, Kalasalingam University	18.02.2012	19.02.2012
9.	Two Days workshop on Network Simulation(NS-2)	Dept of CSE, Kalasalingam University	24.09.2011	25.09.2011
10.	One Day Workshop on Question Paper Setting	Centre for Learning Technologies, Kalasalingam University	24.03.2012	
11.	One Day workshop on Web Development Tools	Francis Xavier Engineering College	13.02.2015	
12.	Two Days Hands-on Training Programme on LATEX-A DocumentMarkup Language	Dept of CSE, Kalasalingam University	07.01.2016	08.01.2016
13.	FDP on " Cyber Security Principles and Defensive Mechanisms"	NIT Warangal	21.03.2022 to	30.03.2022
14.	FDP on "Inculcating Universal Human Values in Technical Education"	AICTE	28.02.2022	04.03.2022

15.	Two-day National level (online) Workshop on "Role of NAAC in Enhancing Quality in Higher Education Institutions"	Ramco Institute of Technology	16.12.2022	17.12.2022
16.	Online FDP on " Salesforce Platform Developer 1"	ICT ACADEMY	04.09.2023	09.09.2023
17.	FDP on "AI/ML for Computer Vision Applications"	NIT Warangal	04.01.2023 to	12.01.2023
18	NPTEL-AICTE FDP on " Theory of Computation" – 8 Weeks	NPTEL	July 2022	September 2022
19	Fundamentals of AI & ML (Online LIVE FDP)	ICT ACADEMY	0.05.2021 to &	14.05.2021

6. **ShorttermCourses/Seminars/FDP/Workshop/Conference organized:**

Sl.No	Titleoftheevent	Organized by	Date	
			From	**To**
1.	Program to school students on " Host yourown Website"	Department of Computer Science and Engineering	31.05.2020	05.06.2020
2.	International Conference on Smart technologies and applications (ICSTA 2022)	Ramco Institute of Technology	26.03.2022	
3.	Anna University FDTP on "Internet Programming"	Department of Computer Science and Engineering, RIT	03.01.2022	08.01.2022
4.	Industrial Guest Lecture on " Java Collection"	Dept of CSE, RIT	12.01.2022	

5.	Workshop on "Big Data Analytics"	Dept of CSE, RIT	09.08.2023	
6.	Five Days FDP on "Microsoft Power BI Data Analyst Associate""	ICT ACADEMY	30.01.2023	03.02.2023
7.	Guest lecture on " Usage of Linux Commands in Real World Projects & What happens around the marketing automation Industry" by MrJ.Rathinavel, Regional Manager, Grab, Malaysia	Dept of CSE, RIT	30.07.2022	

7. Online Courses

Sl.No	Course title	University	Date
1.	Programming for everybody(Getting Started with Python)	Universityof Michigan	23.03.2021
2.	Introduction to Cloud Computing	IBM	26.05. 2021
3.	Matrix for Engineers	Coursera	July 2022
4.	Programming using Java	Infosys Spring board	July 2022
5.	Data Structure using Java	Infosys Spring board	July 2022
6.	Software Engineering and agile software development	Infosys Spring board	July 2022
7.	Theory of Computation	NPTEL	Septembet 2022
8.	Mathematics for Machine Learning: Linear Algebra	Coursera	Dec 2022