Dr.R.Muruganantham

South Street, Periyathirukkonam(PO), Ariyalur(DT), Tamilnadu, Pin-621701
E-mail:muruganantham1979@gmail.com   Mobile: 9600574797
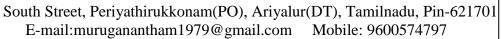
Career Objective

Dynamic and results-oriented lecturer committed to inculcating a passion for learning, creating multicultural awareness through teaching the fundamentals of engineering. A strong talent to develop and implement creative, hands-on curriculum that reaches every student's learning style and ability, empowering students to succeed and realize their individual goals. A trustworthy and approachable individual with excellent communication to cooperatively work with parents and faculty to meet the needs of students and promote the philosophy and goals of the college.

Academic Proficiency

Qualification	Name of Institution	Year of Passing	University / Board	Percentage of Marks
Ph.D (CSE)	Anna University Chennai	2020	Anna University Chennai	**AWARDED**
M.E (Network)	Arulmigu Kalasalingam College of Engineering.	2007	Anna University Chennai	74
B.Tech (IT)	Dr.Navalar Nedunchezhiyan College of Engineering.	2003	Madras University Chennai	70.34
DCT	Adhi Parasakthi Polytechnic	2000	Directorate of Technical Education	88.08
HSC	Xt.Savier Higher Secondary School.	1997	State Board	81.25
SSLC	Little Flower Higher Secondary School.	1995	State Board	75

Ph.D Details

Title of Thesis: DEVELOPMENT OF INTELLIGENT OPTIMIZATION TECHNIQUES TO IMPROVE LIFETIME OF WIRELESS SENSOR NETWORK

Professional Teaching Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
PERUMMAL SAMI RISHI ENGG. COLLEGE	LECTURER	04-07-2003	31-05-2005	1	10	27
SYED AMMAL ENGINEERING COLLEGE	LECTURER	02-01-2008	14-11-2008	0	10	12
TRICHY ENGINEERING COLLEGE	ASSISTANT PROFESSOR	10-12-2008	09-12-2011	3	0	00
KING COLLEGE OF TECHNOLOGY	ASSOCIATE PROFESSOR	02-01-2012	07-04-2016	4	3	06
MAM SCHOOL OF ENGINEERING	ASSOCIATE PROFESSOR	12-05-2016	07-12-2019	3	7	04
ST MARTIN'S ENGINEERING COLLEGE, HYDERABAD	ASSOCIATE PROFESSOR	09-12-2019	27-02-2021	1	2	18
TKR COLLEGE OF ENGINEERING &TECHNOLOGY, HYDERABAD	PROFESSOR	01-07-2021	Till Date	1	1	11
TOTAL				15	9	06

Field of Interest

1. Internet of Things
2. Machine Learning
3. Computer Networks
4. Cryptography and Network Security
5. Cloud Computing.
6. Wireless Sensor Networks.
7. Wireless Ad Hoc Networks

Technological Proficiencies

- Network Simulator (NS-2)
- C, C++, Core Java
- Assembly languages
- Python

Subjects Handled

1. Internet of Things
2. Computer Networks
3. Cryptography and network security.

4. Visual Programming.

5. High Speed Networks.

6. Middleware Technologies

7. Object Oriented Programming Language.

8. Computer Architecture.

9. Operating System.

10. Design and Analysis of Algorithm.

NPTEL Certification

- Successfully completed the NPTEL certification course on **"Introduction to Internet of Things"** conducted by NPTEL during Jul-Oct 2021 and received **"ELITE"** Certification and 5% **topper** in this session.

Patents

S. No.	Patent Number	Title of the Patent	Status
1.	202041001556	Method for Cyber Security Intrusion Detection Using Machine Learning	Published
2.	202241009446	Guesstimate of Energy Feasting for Consistent Wireless Sensor Networks in Smart Homes	Published

Book Publication

1. R.Muruganantham, R.Nagarajan, R.Raja "Techniques to improve the Lifetime of Wireless sensor Network" LAP LAMBERT Academic Publishing ISBN:978-620-4-72810-0
2. R.Raja , R.Nagarajan, R.Muruganantham "Techniques to improve the Lifetime of Wireless sensor Network" LAP LAMBERT Academic Publishing ISBN:978-620-4-72809-4

International Journals

1. Vrince Vimal, R. Muruganantham, R. Prabha, A. N. Arularasan, P. Nandal, K. Chanthirasekaran and Gopi Reddy Ranabothu,"Enhance Software-Defined Network Security with IoT for Strengthen the Encryption of Information Access Control", Computational Intelligence and Neuroscience, Volume 2022,Article ID 4437507 , https://doi.org/10.1155/2022/4437507, Oct 2022, *(SCI).*
2. S. Lokesh, Sudeshna Chakraborty, Revathy Pulugu, Sonam Mittal. Dileep Pulugu, R. Muruganantham, " AI-based big data analytics model for medical applications", Measurement: Sensors, https://doi.org/10.1016/j.measen.2022.100534, Oct 2022 *(Scopus Indexed).*

3. R. Muruganantham, M. Sowmyasree, A.Sairushik, G. Bhanu kiran 'Modelling A Voting-Based Model for Diabetes Prediction Using Learning Models' International Journal Of Innovative Research In Technology, Volume 9 Issue 1, ISSN: 2349-6002,pp. 986-991,2022

4. R. Muruganantham, 'Node Behavior Based Selfish Node Prediction System (NB-SNPS) In Manet Environment', International Journal of Advanced Science and Technology, Vol. 29, No. 9s, pp. 3070-3083,2020**. (Scopus Indexed).**

5. R. Muruganantham, 'A Linear Path Combined MAC Based Routing for Improving the Energy Efficiency in Underwater Acoustic Network', International Journal of Innovative Technology and Exploring Engineering, vol. 9, no.4, ISSN: 2278-3075, pp. 2284 – 2289, 2020. *. (Scopus Indexed).*

6. R. Muruganantham, P.GaneshKumar 'Quality of Service Enhancement in Wireless Sensor Network Using Flower Pollination Algorithm', Programming and Computer Software, vol. 44 , no. 6 , pp. 398-406, Print ISSN: 0361-7688, Online ISSN: 1608-3261, 2018. *(SCI).*

7. R. Muruganantham, P.GaneshKumar 'Bichromatic Reverse Nearest Neighbours Approach for Processing Object Tracking in Wireless Sensor Networks Based on RNN Monitoring Algorithm', Asian Journal of Information Technology, vol. 15,no.6,pp. 4705-4710,2016, *(Scopus Indexed).*

Career Achievements & Highlights

❖ Project done in B.Tech got selected as a best Project under student's project scheme by **Tamil Nadu State Council for Science and Technology**, Directorate of Technical education.

International/National Conferences

❖ Presented paper Titled "Admission Control in IEEE 802.11e Wireless LANs" in **National Conference On Advances in computer Engineering and Networking** in PSNA Engineering College, Dindugal.

❖ Participated in National Level Conference "**NCON**" held in July 2006 conducted by TIFAC Core, Arulmigu Kalasalingam College of Engineering.

❖ R.Muruganantham, P.GaneshKumar "**Survey of Wireless Sensor Networks**", Proceedings of National Conference on Recent Trends in Information & Communication Engineering (NCRTICE-2013), 22-02-2013, Tamilnadu College of Engineering, Coimbatore.

❖ Dr. B. Rajalingam,Dr. R. Santhoshkumar, Dr. R.Muruganantham "**Joint Hypergraph Learning: Retrieval of Tag-Based Image** " in the Online International Conference on "Intelligent Systems, Electrical and Communication Technology-2021" (ICISECT-2021)

❖ Dr. R. Santhoshkumar, Dr. B. Rajalingam, Dr. R.Muruganantham **"Deep Convolutional Neural Network: Emotion Recognition from Whole Body Movements "** in the Online International Conference on "Intelligent Systems, Electrical and Communication Technology-2021" (ICISECT-2021)

WORKSHOPS/ SEMINARS/ FACULTY DEVELOPMENT PROGRAMME / TRAINING PROGRAMMES

1. Participated in a Two-Week (5 weekends) ISTE WORKSHOP on "Software Development Techniques for Teachers of Engineering and Science Institutes" conducted by Indian Institute of Technology Bombay from 5th November to 4th December, 2011 held at Periyar Maniammai University, Thanjavur.

2. TEQIP Phase-II Sponsored one week Faculty Development Programme on "BIO Inspired Optimization Techniques", from 25th to 31st October 2013.

3. TEQIP Phase-II Sponsored One day Seminar on "Research Challenges in Cooperative Communication and Cognitive Radio Networks", Organized by Department of EEE, PSG College of Technology, Coimbatore on 9th November 2013.

4. IEEE-CIS Madras Chapter Sponsored Two days' Workshop on, "Evolutionary Algorithms for Engineering optimization Problems", from December 21st-22nd 2018, at Kalasalingam Academy of Research and Education, Krishnankovil.

5. **Participated 2 Weeks Faculty Development Program On Artificial Intelligence & Machine Learning Using Python held during 05 - 16 October 2020, Organized by Finland Labs (A Unit of Revert Technology Pvt. Ltd.) In Association with National Social Summit, IIT Roorkee.**

6. **Participated 1 Weeks Faculty Development Program On Deep Learning using Medical Data held during 04 - 08 October 2021, Organized by Finland Labs (A Unit of Revert Technology Pvt. Ltd.) In Association with National Social Summit, IIT Roorkee.**

7. **NPTEL-AICTE Faculty Development Program on "Introduction to Internet of Things" during Jul-Oct 2021.**

8. Participated & completed successfully **AICTE Training and Learning (ATAL) Academy Online Elementary** FDP on "**Internet of Things (IoT)**" from **06/12/2021** to **10/12/2021** at **center for e governance**.

ONLINE WORKSHOPS/ ONLINE SEMINARS/ ONLINE FACULTY DEVELOPMENT PROGRAMME / ONLINE TRAINING PROGRAMMES

1. Participated two days "Online Workshop on Intellectual Property rights" conducted on 10th and 11th April 2020, hosted at Pandit Deendayal Petroleum University.

2. Participated Four days webinar on "An Effective Research Paper Writing Skill", from 13th to 16th April 2020 hosted at Bhagwan Mahavir University.

3. Participated two days online refresher course on "Education 4.0 – Future of Learning" from 29th to 30th April 2020 hosted at Anand Institute of Technology.

4. Participated three days webinar on "Effective Technical Writing – Thesis vs. Paper" from 27th to 29th April 2020 hosted by IEEE Student Branch of Basaveshwar Engineering College.

5. Participated two days Faculty Development Programme on "Art of Writing Research Article in Hi-Indexed Journals", from 29th to 30th April 2020 hosted at Nehru Arts and Science College.

6. Participated online Faculty Development Programme on "Outcome Based Learning Approach in Higher Education" organized by the IQAC, Kristu Jayanti College from 23rd to 30th April 2020.

7. Participated an international webinar on Research Methodology "from 28th April to 1st May 2020 hosted at AISSMS College.

Personal Details

Date of Birth	:	12th JUNE 1979.
Nationality	:	INDIAN.
Sex	:	MALE.
Language Known	:	ENGLISH & TAMIL.
Marital Status	**:**	Married

Declaration

I hereby declare that all the information and details furnished above are true to the best of my knowledge.

Place : Hyderabad   Yours Truly,

Date   : 11/ 08/ 2022

(Dr.R.Muruganantham)