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Thoothukudi District, Tamil Nadu

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**Contact**

+91 9952020170

**Date of Birth**

08.07.1984

**Age**

38

**Sex &****Marital Status**

Male &  
Married

**Education**

2022

Doctor of Philosophy

*Information and Communication Engineering,  
Anna University, Chennai.*

2008

Master of Engineering

*Computer Science and Engineering  
Anna University, Chennai  
(First Class)*

2005

Bachelor of Engineering

*Computer Science and Engineering  
Anna University, Chennai  
(First Class)*

**Experience :** Teaching-13 years 4 months

National Engineering College, Kovilpatti, Tamilnadu

04/2022 – Till Date

*Assistant Professor(Senior Grade)*

07/2012 – 03/2022

*Assistant Professor*

*Roever Engineering College, Perambalur*

03/2009 – 07/2012

*Assistant Professor*

**Student Funded Projects Guided**

1. NewGen IEDC, National Engineering College sponsored product entitled “Smart Baby Cradle using IOT” with a total cost of Rs.2,50,000/- (2022)
2. Institution of Engineers (IE), Kolkatta sponsored funded project entitled on “Smart Staircase Cleaning and Mopping Robot” with a total cost of Rs.30,000/- (2022)
3. Institution of Engineers (IE), Kolkatta sponsored funded project entitled on “Intelligent LPG Gas Stove based on Internet of Things (IoT)” with a total cost of Rs.20,000/-. (2020)
4. NewGen IEDC, National Engineering College sponsored product entitled “Automatic Floor Cleaning and Mopping Robot” with a total cost of Rs.2,50,000/- (2019)

**Awards Received**

1. Received Project Completion Certificate (PCC) from Institution of Engineers India (IE(I)), Kolkata for the successful completion of the sponsored project Intelligent LPG Gas Stove based on Internet of Things.
2. Received Top Performing Mentor certificate from NPTEL.
3. Received Discipline Star Certification from NPTEL
4. Received gold model certification from NPTEL Online Course entitled “Introduction to Internet of Things”
5. Recognized as BRONZE partner faculty under Inspire- Infosys Campus Connect Faculty Partnership Model.

**Consultancy Works**

1. Completed Consultancy Work to TATA Power SED, Bangalore entitled “Services in the area of Intelligence” with the total cost of Rs.3,60,000/- from January 2018 to September 2018.

**Patent Published**

1. Published a Patent entitled “Automatic Floor Cleaning and Mopping Device” on 28.02.2020. (Journal No. 09/2020). Application No. 202041007307. Status: Reply Filed. Application in amended examination.
2. Published a Patent entitled “System and Method for Cardless Transactions using Automated Teller Machine” (Journal No. 19/2020). Application No. 201841010035. Status: Awaiting Request for Examination.

**Paper Published**

- Published a paper entitled “A comprehensive Approach to Avoid Node Selfishness and Data Redundancy” in Journal of Intelligent & Fuzzy Systems, vol. 39, no. 1, pp. 407-419, 2020 IF:1.851
- M. ManthiraMoorthi, S. Dhinakaran, Y. Aravind, Ms. M. Jayalakshmi, Mr.S.Dheenathayalan “Android Pc Controller”, International Journal of Recent Technology and Engineering (IJRTE). Vol:8, NO: 5(2020) pp: 843-845.
- B.Vishnupriya, M.Susmitha, S.Valarmathi, S.Dheenathayalan, R.Rajakumari, “Load Detection And Monitoring System”, International Journal Of Scientific & Technology Research Volume 9, Issue 02, February 2020.
- S.Ramadevi, R.Sowmiya, S.Dheenathayalan, “A smart shopping with an automated billing using mobile application”, Indian Journal of Natural Sciences, Vol.12, No.66, 2021

**Books Published:**

- Co-Author of the book entitled “Theory of Computation” published by yesdee publishers, Chennai. (ISBN: 978-93-80381-54-1)

**Membership in Professional Societies**

1. Life Member in Indian Society for Technical Education (ISTE), New Delhi
2. Life Member in Institution of Engineers (IE), Kolkatta

**Sponsored FDTP/STTP/Seminar/Workshop/Training Programme Organized**

1. Two days instructional course on “Computational Complexity” technically sponsored by IARCS, during 27.09.2013 & 28.09.2013
2. Three days on “Entrepreneurship Awareness Camp (EAC)” Sponsored by DST-NIMAT-EDII Sanctioned an amount of Rs. 60,000/- during 29.12.2014 to 31.12.2014
3. Two days seminar on “Cloud Computing Solutions for Genomics Analysis” Sponsored by DBT, New Delhi-Sanctioned an amount of Rs. 40,000/- during 07.07.2015 & 08.07.2015.
4. Two days seminar on “Research Avenues in Speckled Computing and Specknets: A Futuristic Pervasive Revolution” Sponsored by INSA, New Delhi-Sanctioned an amount of Rs. 30,000/- during 23.07.2016 & 24.07.2016
5. Three days seminar on “Perspectives of Human Computer Interaction in Natural Language Processing” Sponsored by CIIL, Mysore-Sanctioned an amount of Rs.30,000/- during 05.10.2016 & 07.10.2016
6. Two days national level seminar on “Research Avenues in Deep Learning for Natural Language Processing” Sponsored by CIIL, Mysore-Sanctioned an amount of Rs.30,000/- during 14.02.2020 & 15.02.2020.
7. Organized one-day workshop on “Scilab for Teachers” sponsored by IIT Bombay on 04.05.2019
8. Organized one day workshop on “Assistive Technology” for third year and final year students on 17.08.2019

### International Conferences

1. Identification of Stress from ECG Signal using PNN & HMM Techniques. International Conference on Science and Innovative Engineering, Jawahar Engineering College, Chennai April 2016.
2. Secure Key Generation for Cryptography, International Conference on Emerging Trends in Applications of Computing, Francis Xavier Engineering College, March 2017
3. Smart Bin Waste Management, International Conference on Applied Soft Computing Techniques. Kalasalingam Academy of Research and Education, March 2018
4. Game Theoretic modeling and analysis of jamming attack in delay tolerant network, International Conference on Innovations in Engineering, Science and Technology, Kalasalingam Institute of Technology, February 2019
5. Performance Analysis of Epidemic and Prophet Routing protocol in DTN, 2nd international conference on Information Embedded, and Communication Systems (ICIECS 2019), St. Joseph College of Engineering, Chennai, March 2019.
6. Smart Body Monitoring System, 10<sup>th</sup> international conference on science and innovative engineering, Jawahar Engineering College, Chennai, March 2020
7. Design of an Intelligent LPG Gas Stove using Internet of Things, International Virtual Conference on Advances in Communication, Machine Learning, Embedded with Internet of Things, Kongu Engineering College, Perundurai, April 2021
8. Accident Prevention System in Hairpin Bend Road, International e-Conference on Information, Communication and Networking, Easwari Engineering College, Chennai, April 2021
9. Intern Candidate Performance Evaluation System, IEEE international conference on emerging technology and applications for a smart and sustainable world, National Engineering College, December 2021
10. Smart-Strap: A wearable computing device for soldier adhoc communication and health monitoring, IEEE international conference on emerging technology and applications for a smart and sustainable world, National Engineering College, December 2021

### Sponsored STC/FDTP/Seminar/Workshop/Training Programme Attended

S.No	Title	Period	venue
1.	5 <sup>th</sup> National Conference on “Application of Emerging Technologies”	24 <sup>th</sup> & 25 <sup>th</sup> March 2008	Adhiyamaan College of
2.	Two days national level seminar on “ Theory of Computation”	August 19 <sup>th</sup> & 20 <sup>th</sup> 2011	sudharsan Engg college
3.	Two days workshop on “software Testing methodologies”	1 <sup>st</sup> & 2 <sup>nd</sup> October 2010	Anna university of Technology
4.	One day national workshop on “Data mininig- T4 hands on training-weka software”	12 <sup>th</sup> august 2011	K.Ramakrihnan college of
5.	Five days Mission10x workshop	14 <sup>th</sup> November to 18 <sup>th</sup>	Dr.Navalar Nedunchezhiya
6.	Seven days workshop on “theory of Computation”	03 <sup>rd</sup> June to 10 <sup>th</sup> June 2013	National Engineering
7.	Two days seminar on “recent Advances in Emerging Trends in Life Science Research in Biocloud-Bioinformatics using Cloud	20 <sup>th</sup> & 21 <sup>st</sup> September 2013	National Engineering
	Attended two days capacity building programme on “commodity Futures Market”	3 <sup>rd</sup> & 4 <sup>th</sup> March 2014	Agricultural Research
8.	Seven days Short Term Training Programme on “High Speed Networks”	09 <sup>th</sup> June to 16 <sup>th</sup> June 2014	National Engineering
9.	Two days 17 <sup>th</sup> ISTE TN & P Section Annual Convention for faculty members of engineering College-2014	07 <sup>th</sup> & 08 <sup>th</sup> November 2014	National Engineering
10.	3 <sup>rd</sup> International Conference on Eco-friendly computing and communication systems	18 <sup>th</sup> December to 20 <sup>th</sup>	NITK, Surathkal
11.	Two days instructional workshop on “Formal Methods in Cryptography”	08 <sup>th</sup> & 09 <sup>th</sup> January 2015	National Engineering

12.	One day workshop organized by NPTEL,IITM	13 <sup>th</sup> March 2015	National Engineering
13.	Two days “Research Aspirants Meet” in IEEE International Conference on computing technologies and intelligent data	07 <sup>th</sup> & 08 <sup>th</sup> January 2016	National Engineering
14	Attended two days national level seminar on “Research Avenues in speckled computing and specknets: A Futuristic Pervasive	23 <sup>rd</sup> & 24 <sup>th</sup> June 2016	National Engineering
15	Attended three days national seminar on “Perspectives of Human Computer Interaction in Natural Language Processing”	5 <sup>th</sup> to 7 <sup>th</sup> October 2016	National Engineering
16	Attended 8 week NPTEL online courses on “Theory of Computation” & “ Introduction to Research”	July 18, 2016 - September 9,	National Engineering
17	Attended 8 week NPTEL online courses on “Design and Analysis of Algorithm”	23 January 2017 - 17	National Engineering
18	Attended one week training programme on “Instrctional Design and Delivery System”	22 <sup>nd</sup> to 27 <sup>th</sup> May 2017	National Engineering
19	Attended Seven days national Seminar on “Theory of Computation(CS6503)”	01 June 2017 to 08 June 2017	National Engineering
20	Attended One day workshop on “ Deep Learning”	29 <sup>th</sup> July 2017	Mepco Schlenk Engineering
21	Attended 8 week NPTEL online courses on “Introduction to Cryptology”	July 2017 – August 2017	National Engineering
22	Attended Two days national level seminar on “Research Trends and Innovations in Vehicular Networking and Intelligent Vehicular	12 <sup>th</sup> and 13 <sup>th</sup> October 2017	National Engineering
23	Attended five days short term GIAN course on “ Algorithmic Foundations of Wireless Sensor Networks with Applications”	10 <sup>th</sup> December to 14 <sup>th</sup>	NITK, Surathkal
24	Attended AICTE approved FDP101x on Foundation Program in ICT for Education conducted by IIIT , Bombay	From 8 <sup>th</sup> March to 12 <sup>th</sup> April	National Engineering
25	Attended AICTE approved FDP201x on Pedagogy for Online and Blended Teaching-Learning Process conducted by IIIT , Bombay	From 3 <sup>rd</sup> May to 30 <sup>th</sup> May	National Engineering
26	Attended 12 weeks NPTEL online courses on “Computer networks and Internet protocol”	July 2018 – October 2018	National Engineering
27	Attended Two Days Instructional Course on “Algorithmic Game Theory” sponsored by IARCS (Indian Association of Research in	From 20 <sup>th</sup> July 2018 to 21 <sup>st</sup>	National Engineering
28	Attended One day workshop on “Effective Mentoring in NPTEL Online Courses”	18 <sup>th</sup> January 2019	IIT Madras
29	Attended 12 weeks NPTEL online courses on “Introduction to Internet of Things”	January 2019 – April 2019	National Engineering
30	Attended five days AICTE-ATAL FDP on "Internet of Things"	From 16 <sup>th</sup> December to	National Power Training
31	Attended one day webinar on “Research Outcomes: Technical Paper Writing, Research Proposal, Patent Filing” organized by	22 <sup>nd</sup> April 2020	-
32	Attended Online FDP on “Machine Learning and Artificial Intelligence”	04 <sup>th</sup> – 06 <sup>th</sup> May 2020	Andhra Loyola Institute
33	Attended 12 weeks NPTEL online courses on “Compiler Design”	January 2020 – April 2020	National Engineering
34	Attended 4 weeks NPTEL online course on “ Demystifying Networking”	September 2020-December	National Engineering
35	Attended five days AICTE-ATAL Online FDP on "Block Chain"	From 14 <sup>th</sup> September 2020	National Institute of
36	Attended five days AICTE-ATAL Online FDP on "Cyber Security"	From 22 <sup>nd</sup> February 2021	Indian Institute of Information
37	Attended five days AICTE-ATAL Online FDP on "Block Chain and its Security Perspectives"	From 06 <sup>th</sup> December 2021	Indian Institute of Information

	38	Attended five days AICTE-ATAL Online FDP on “Cyber Security, Ethical Hacking and Cyber Crime”	From 12 <sup>th</sup> July 2021 to 16 <sup>th</sup>	University of Kashmir	
	39	Attended 12 weeks NPTEL online course and FDP on “Introduction to Industry 4.0 and Industrial Internet of Things”	January 2021 – April 2021	National Engineering	
	40	Attended one day workshop on “scilab”	04.05.2019	National Engineering	