Dr.S.Dheenathayalan B.E., M.E., Ph.D.

Date of Birth	08.07.1984	**Age** 39	**Sex & Marital Status**	Male & Married

Residential Address

5/85, K1 Manju Nagar,
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Thoothukudi District, Tamil Nadu

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Education

2022	Doctor of Philosophy
	Information and Communication Engineering, Anna University, Chennai.
2008	Master of Engineering
	Computer and Communication Anna University, Chennai (First Class)
2005	Bachelor of Engineering
	Computer Science and Engineering Anna University, Chennai (First Class)

Experience : Teaching-15 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. Granted a Patent entitled "Automatic Floor Cleaning and Mopping Device" on 26.12.2023. (Journal No. 09/2020). Application No. 202041007307 and patent No.488737.
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
• H. R. S, R. A, A. A, R. P, S. Dheenadhayalan and V. Gomathi, "Yoga Pose Detection and Correction Using Computer Vision," 2023 6th International Conference on Recent Trends in Advance Computing (ICRTAC), Chennai, India, 2023, pp. 192-198, doi: 10.1109/ICRTAC59277.2023.10480722.
• H. R. S, A. A, R. A and S. Dheenadhayalan, "Personal Exercise Trainer Using Computer Vision," 2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE), Vellore, India, 2024, pp. 1-6, doi: 10.1109/ic-ETITE58242.2024.10493615.
• Jegatheeswari, S., Selva Rathinam, P., Dheenathayalan, S., Rajesh Kumar, S. (2023). A Survey on Alzheimer's Disease Prediction Using Deep Learning Algorithms. In: Kumar, S., Hiranwal, S., Purohit, S., Prasad, M. (eds) Proceedings of International Conference on Communication and Computational Technologies. ICCCT 2023. Algorithms for Intelligent Systems. Springer, Singapore.
• Jegatheeswari, S., Selva Rathinam, P., Dheenathayalan, S., Rajesh Kumar, S "ALZHEIMER'S DISEASE PREDICTION USING CONVEX FUZZY INDUCED RESNET152V2 ALGORITHM" in European Chemical Bulletin, June 2023, Volume -12, Special Issue-1(Part-B), Page: 3801-3812.
• S.Dheenathayalan, B.Paramasivan, "A comprehensive Approach to Avoid Node Selfishness and Data Redundancy" Journal of Intelligent & Fuzzy Systems, vol. 39, no. 1, pp. 407-419, 2020 IF:1.851
• S.Dheenathayalan, B.Paramasivan,"Energy Based Random Repeat Trust Computation in Delay Tolerant Network" Journal of Computer Systems Science & Engineering, DOI: 10.32604/csse.2023.033326, 2022 IF:4.397.
• M. ManthiraMoorthi, S. Dhinakaran, Y. Aravind, Mr.S.Dheenathayalan ,Ms.M. Jayalakshmi, "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. Membership No.LM95686, 2014
2. Life Member in Institution of Engineers (IE), Kolkatta. Membership No.M-1674530, 2019

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 *April2016.*
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, 10th 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.
11. Product Recommendation Using Deep Learning, International Conference on Advanced Materials and Technologies for Industry 4.O (Icamt 4.O), Bannari Amman Institute of Technology, March 2023.
12. Yoga Pose Detection and Correction using Computer Vision, 6th International Conference on Recent Trends in Advanced Computing: Cutting edge technologies in computing-SDG,VIT Chennai (ICRTAC'24), December 2023.

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

S.No	Title	Period	venue
1.	5th National Conference on "Application of Emerging Technologies"	24th & 25th March 2008	Adhiyamaan College of Engineering
2.	Two days national level seminar on " Theory of Computation"	August 19th & 20th 2011	sudharsan Engg college
3.	Two days workhop on "software Testing methodologies"	1st & 2nd October 2010	Anna university of Technology
4.	One day national workshop on "Data mininig- T4 hands on training-weka software"	12th august 2011	K.Ramakrihnan college of
5.	Five days Mission10x workshop	14th November to 18th November 2011	Dr.Navalar Nedunchezhiyan College of Engineering
6.	Seven days workshop on "theory of Computation"	03rd June to 10th June 2013	National Engineering College
7.	Two days seminar on "recent Advances in Emerging Trends in Life Science Research in Biocloud-Bioinformatics using Cloud	20th & 21st September 2013	National Engineering College
	Attended two days capacity building programme on "commodity Futures Market"	3rd & 4th March 2014	Agricultural Research Station, Kovilpatti
8.	Seven days Short Term Training Programme on "High Speed Networks"	09th June to 16th June 2014	National Engineering College
9.	Two days 17th ISTE TN & P Section Annual Convention for faculty members of engineering College-2014	07th & 08th November 2014	National Engineering College
10.	3rd International Conference on Eco-friendly computing and communication systems	18th December to 20th December 2014	NITK, Surathkal
11.	Two days instructional workshop on "Formal Methods in Cryptography"	08th &09th January 2015	National Engineering College
12.	One day workshop organized by NPTEL,IITM	13th March 2015	National Engineering College
13.	Two days "Research Aspirants Meet" in IEEE International Conference on computing technologies and intelligent data	07th & 08th January 2016	National Engineering College
14	Attended two days national level seminar on "Research Avenues in speckled computing and specknets: A Futuristic Pervasive	23rd & 24th June 2016	National Engineering College
15	Attended three days national seminar on "Perspectives of Human Computer Interaction in Natural Language Processing"	5th to 7th October 2016	National Engineering College
16	Attended 8 week NPTEL online courses on "Theory of Computation" & " Introduction to Research"	July 18, 2016 - September 9, 2016	National Engineering College
17	Attended 8 week NPTEL online courses on "Design and Analysis of Algorithm"	23 January 2017 - 17	National Engineering College
18	Attended one week training programme on "Instrctional Design and Delivery System"	22nd to 27th May 2017	National Engineering College
19	Attended Seven days national Seminar on "Theory of Computation(CS6503)"	01 June 2017 to 08 June 2017	National Engineering College
20	Attended One day workshop on " Deep Learning"	29th July 2017	Mepco Schlenk Engineering College
21	Attended 8 week NPTEL online courses on "Introduction to Cryptology"	July 2017 – August 2017	National Engineering College
22	Attended Two days national level seminar on "Research Trends and Innovations in Vehicular Networking and Intelligent Vehicular	12th and 13th October 2017	National Engineering College

23	Attended five days short term GIAN course on " Algorithmic Foundations of Wireless Sensor Networks with Applications"	10th December to 14th December 2017	NITK, Surathkal
24	Attended AICTE approved FDP101x on Foundation Program in ICT for Education conducted by IIIT , Bombay	From 8th March to 12th April	National Engineering College.
25	Attended AICTE approved FDP201x on Pedagogy for Online and Blended Teaching-Learning Process conducted by IIIT , Bombay	From 3rd May to 30th May	National Engineering College.
26	Attended 12 weeks NPTEL online courses on "Computer networks and Internet protocol"	July 2018 – October 2018	National Engineering College
27	Attended Two Days Instructional Course on "Algorithmic Game Theory" sponsored by IARCS (Indian Association of Research in	From 20th July 2018 to 21st	National Engineering College
28	Attended One day workshop on "Effective Mentoring in NPTEL Online Courses"	18th January 2019	IIT Madras
29	Attended 12 weeks NPTEL online courses on "Introduction to Internet of Things"	January 2019 – April 2019	National Engineering College
30	Attended five days AICTE-ATAL FDP on "Internet of Things"	From 16th December to 20th December	National Power Training Institute (NPTI),
31	Attended one day webinar on "Research Outcomes: Technical Paper Writing, Research Proposal, Patent Filing" organized by Data Teach.ai 22.04.2020	22nd April 2020	-
32	Attended Online FDP on "Machine Learning and Artificial Intelligence"	04th – 06th May 2020	Andhra Loyola Institute of
33	Attended 12 weeks NPTEL online courses on "Compiler Design"	January 2020 – April 2020	National Engineering College
34	Attended 4 weeks NPTEL online course on " Demystifying Networking"	September 2020-December	National Engineering College
35	Attended five days AICTE-ATAL Online FDP on "Block Chain"	From 14th September 2020	National Institute of Technology Raipur
36	Attended five days AICTE-ATAL Online FDP on "Cyber Security"	From 22nd February 2021	Indian Institute of Information
37	Attended five days AICTE-ATAL Online FDP on "Block Chain and its Security Perspectives"	From 06th December 2021	Indian Institute of Information
38	Attended five days AICTE-ATAL Online FDP on "Cyber Security, Ethical Hacking and Cyber Crime"	From 12th July 2021 to 16th July 2021	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 College
40	Attended one day workshop on "scilab"	04.05.2019	National Engineering College
41	Attended five days GIAN course on " A framework for interoperable blockchain to streamline supplychain	28.11.2022 to 02.12.2022	NIT Puducherry
42	Attended 2-day workshop on Blockchain, Metaverse and Web 3.0 Technologies at the "IEEE India Blockchain Forum"	08.09.2023 to 09.09.2023	IISC, Bengaluru
43	Attended Virtual Faculty Buildathon on " Cyber Security and SIEM"	24.07.2023 to 04.08.2023	IBM
44	Attended 4 weeks NPTEL online course and FDP on "Design Thinking-A Primer"	July 2023 to August 2023	IITM
45	Attended one week FDP on " Artificial Intelligence in Computer Networks"	05.02.2024 to 10.02.2024	BMS College, Bengaluru