Faculty Profile

Dr. S. Ilavarasan, M.E., Ph.D.
Associate Professor – IT

HIGHLIGHTS:

- Number of Journal Publications:
    - SCI – 1
    - SCOPUS -05
    - Non-Scopus - 04
- H-Index: 02
- Project Funding Received: 0
- Patents Published: 0
- Patents Granted: 1

PROFESSIONAL LINKS:

- Scopus ID: 57095032500
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57095032500
- Google Scholar ID: https://scholar.google.com/citations?user=qNOpoUsAAAAJ&hl=en
- Anna University Faculty ID: 271717
- AICTE Faculty ID: 1-713469272
- Anna University Supervisor ID: -NA-
- LinkedIn: https://www.linkedin.com/in/s-ilavarasan-246335356/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 17 years 6 months.
- Industrial Experience: -NA-

AREA OF SPECIALIZATION:

- Artificial Intelligence
- Networking
- Data Mining
- SOA

PATENTS PUBLISHED/GRANTED:

S. No	Patent Title	Application Number	Patent Country	Status
1.	Marine Boundary Alert System For Fishermen.	Design 387833-001	India	Granted

ACHIEVEMENTS AND AWARDS:

Received the best teacher award 5 times in college.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Attended "Master Trainer program on Computer Architecture and Operating System "from 24/02/2012 to 25/02/12 at ICT Academy of Tamilnadu .
- Attended workshop on "Software Testing "at SEC on 16/03/2012.
- Participated "Wipro Mission 10 X" Program at SEC from 14/05/2012 to 18/05/2012.
- Attended FDP on "deep Drive Enablement Program" at Infosys, Chennai from 09/07/12 to 13/07/12.
- Attended Two days ISTE workshop on "Aakash for Education" at SEC from 10/11/12 to 11/11/12.
- Attended one week ISTE workshop on "research methods in educational Technology" at SEC from 2/2/13 to 09/02/13.
- Attended two days' workshop on "recent Trends in Networking Simulation tool" at SEC from 30/01/14 to 31/01/14.
- Attended Ten days ISTE workshop on "DBMS" at SEC from 21/3/14 to 31/03/14.
- Attended one Month workshop on "Computer Programming" at SEC from 22/05/14 to 21/06/14.
- Attended one week Short term ISTE training program on "Introduction to design Algorithms" at SEC from 25/05/15 to 30/05/15.
- Attended ten days workshop on "Cyber Security" at SEC.
- Participated two days IEEE Technically Sponsored work shop on "Android Mobile Application Development" at SEC from 19/02/16 to 20/02/16.
- Participated one day workshop on "Setting up a Cloud Computing lab using open nebula" on 30/07/16 at SEC.
- Participated one day workshop on "Python Programming" at SEC from 28/06/2017 to 30/06/2017.
- Attended three month FDP program on "ICT Tools & Teaching Pedagogy" at SEC from 2/08/17 to 04/10/17.

- Workshop on Hands on Training on Development of e-content (MOODLE) & Educational Video Creation (Online Mode) conducted by CIT – TLC on 23 & 24 January 2021.
- Attended on week week National Level faculty Development Program on "Secure Cyber space using Machine Learning & Black Chain Technology" (online Mode) conducted by Vardhaman College of Engineering,Hydrabad from 11/09/2023 to 15/09/2023.

Papers Presented & Published

International Conferences
- Adaptive Dynamic Load Stabilization in Wireless Sensor Networks" – Presented Paper in ICIIES'15 March 2015.

- "Trinity Tree Construction for unattended web extraction"- Presented paper in ICIIES'15 March 2015.

- "Energy Efficient Wireless Sensor Networks for Temperature and Gas monitoring" – Presented paper in ICEAS2014.

- "Enhance the Security to Mitigate Online Password Guessing"-Presented paper in ICACT-2013

National Conferences
- "Jabber/Xmpp for Mobile instant Messaging" – Presented Paper in ICTCON'13 at SEC on 27/03/2013.

- "Authenticated Spam detect in email"-Presented Paper in ICTCON'13 at SEC on 27/03/2013.

- "Smart Health Monitoring System using Technology for Pregnant Ladies" - Presented Paper in ICTCON'16 at SEC on 30/03/2016.

Journal Publications:

- Ilavarasan Sargunan, Balajee Maram, Creesy Rajan, Vadamodula Prasad, Selva Rani Balasubramaniam, Deena Gnanasekaran, "Discrete neighborhood difference pattern-based feature extraction and hybrid deep learning model for melanoma skin cancer detection", Biomedical Signal Processing and Control, Volume 107, 2025, 107812, ISSN 1746-8094, https://doi.org/10.1016/j.bspc.2025.107812.

- "Real Time Spatial Transmission Analysis Based Improved Black Hole Attack Detection in WSN for Improved QoS", Design Engineering [toronto] journal, Issue 7, Page no: 5748-5765, Aug, 2021, ISSN: 0011-9342.

- "Detection and Elimination of Black Hole attack in WSN" in IJITEE ISSN: 2278-3075, Volume-9 Issue-1, November 2019.

- "A Survey on Jamming Attacks in Wireless Sensor Networks" in International Journal of Innovations in Engineering & science. Volume 3, No.7, 2018, E-ISSN: 2456-3463.

- "Online Recommendation and Substantiation for used commercial product by using Expert Analysis Method" in International Journal of Innovations in Engineering & science. Volume 3, No.1, 2018, E-ISSN: 2456-3463.

- "Resource Efficient Wireless Sensor Networks for Temperature and Gas Monitoring Temperature and Gas Monitoring''-in IJREAT International Journal of Research in Engineering & Advanced Technology, Volume 2, Issue 6, Dec-Jan, 2015.

Book Chapters – IEEE and Academic Press

Springer Book Chapters

- Gunanithi, S., **Ilavarasan, S.,** Karthika, R.N. (2024). Revolutionizing Osteosarcoma Diagnosis: A Comparative Analysis of Deep Learning Models for Precise Bone Cancer Detection Using Multi-Modal Medical Imaging. In: Chaudhry, S.S., Surendiran, B., Raj, C.V. (eds) Proceedings of the First Artificial Intelligence Summit on Smart Sustainable Society. AISSS 2023. Lecture Notes in Electrical Engineering, vol 1259. Springer, Singapore. https://doi.org/10.1007/978-981-97-7592-7_16.