CURRICULUM VITAE

Faculty Profile

Name : Mr. S.T.Saravanan

Designation : Assistant Professor (Cyber Security)

Qualification : M.E., (Ph.D.)

Total Experience : 13 years 2 months

JNTUH ID : 6930-211217-215458

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Publications:

1. "**IoT-Enabled Respiratory Pattern Monitoring in Critical Care: A Real-Time Recurrent Neural Network Approach**" IEEE Sponsored 14th International Conference on Communication and Signal Processing ICCSP 2024 held on 12th & 13th April 2024. https://ieeexplore.ieee.org/document/10543359 **(Scopus Indexed)**

2. **Navigating Cyber Security: Analyzing Online Threats And Strategies For Protecting Data And Systems**, International Journal of Research And Analytical Reviews, Volume 10, Issue 1, February 2023, http://ijrar.org/viewfull.php?&p_id=IJRAR23A3242.

3. "**Brain Tumor Identification by Learning with JPEG Coefficient Filters through Deviations**", Purakala, UGC Care Approved Journal , Vol 3 Issue 2, 2022, ISSN: 0971-2143, Journal 824, Accepted: 25th May 2022.

4. **Optimizing Cloud Computing: Understanding Load Balancing For Enhanced Resource Allocation and Application Performance**, Journal of Emerging Technologies and Innovative Research Volume 8, Issue 9, September 2021, https://www.jetir.org/view?paper=JETIR2109556

5. "**Enhancing Network Security with Intrusion Prevention Systems and Host-Side Two-Factor Authentication**", International Journal of Advanced Research in Computer and Communication Engineering Vol. 9, Issue 10, October 2020, DOI (10.17148/IJARCCE.2020.91026)

6. **A Survey on the Role Of Cryptography In Ensuring Cloud Data Security**, International Journal Of Research And Analytical Reviews, Volume 6, Issue 3 , September 2019, http://ijrar.org/viewfull.php?&p_id=IJRAR19D5866

7. **Enhancing Security And Efficiency In Agent Less Publish/Subscribe Systems: A Novel Approach Using Pairing based Cryptography and Lightweight Encryption**, **Journal of Emerging Technologies and Innovative Research,** Volume 5, Issue 6, June 2018, https://www.jetir.org/view?paper=JETIR1806956

8. **A Survey on Cloud Security Issues and Challenges, International Journal of Advanced Research in Computer and Communication Engineering**, Vol. 6, Issue 3, March 2017, DOI (10.17148 /IJARCCE. 2017.63243)

9. **Improve Private Cloud Data Security With RBAC – Encrypted Schemes, Journal of Emerging Technologies and Innovative Research**, Volume 2, Issue 7, July 2015, https://www.jetir.org/view?paper=JETIR1701C04

10. "**Evolving Perspectives On Computer Security: From Physical Safeguards To Modern Data Protection Challenges**", International Journal Of Research And Analytical Reviews, Volume 1, Issue 4, December 2014, http://ijrar.org/viewfull.php?&p_id=IJRAR19D5867.

Participation in Workshops / Conferences:

1. "**Revolutionizing Critical Care: Real-Time Respiratory Pattern Analysis via IoT and Recurrent Neural Networks**" 13th National Conference (NCIIT 24) 22 & 23rd Feb 2024.
2. Presented a paper in National conference titled **"Evaluate real – time data service delays control in theoretic approaches"** at JCT college of Engineering and Technology, Coimbatore held on September 6th & 7th, 2012.
3. Presented a paper **"Document clustering based on genetic algorithm with PSO based mutation"** in the National Conference on Current trends in CSE & IT by Paavai Engineering College, March 27th & 28th 2009.
4. Presented a paper **"Copy right protection using authentication keys for Audio, Video and Image based on digital watermarking"** in the National Conference on Innovations in Computing Techniques by Mahendra Engineering College, April 2nd 2008.
5. Presented a paper titled **"An interface between Humans and Smart infrastructure systems"** in the National Conference on New Evolutions in Computing Technology by the Department of Computer Science Engineering & Information Technology, Kamban Engineering College, March 9th & 10th 2007.

Research Experience

ON-GOING RESEARCH PROJECTS, TECHNOLOGY TRANSFER AND COMMUNITY SERVICES

"Implementation Of Agriculture Based Animal Repellent System Using Deep Learning " Under Vision Viksit Bharat@2047 (VVB@2047) From Indian Council Of Social Science Research (ICSSR) by Ministry of Education, India (Application No : Icssr-Vb-2024-1719)Submitted On 18-04-2024 (INR 1.5 Million/ 17, 300USD) – Awaiting for Result

Certification:

1.**Vulnerability Assessment & Penetration Testing (VAPT)**, organized by Directorate of Entrepreneurship Innovation and Start-ups, Centre of Excellence in Cyber Security JNTUH, from 01.04.2024 to 27.04.2024 (Online).

2. "**Cyber Security and Forensics**", JNTUH, Online Short Term Course from 14 Nov 2022 to 19 Nov 2022

Faculty development programs attended:

1. AICTE Training and Learning (ATAL) Academy Sponsored Offline FDP on "Internet of (IoD) Drones Applications and Futures" - 11.12.23 to 16.12.23

2. AICTE Training and Learning (ATAL) Academy Sponsored Online FDP on "Zero Trust Cloud Security" – 11.12.23 to 16.12.23.

3. Federated Machine Learning (Healthcare, Cloud Computing and IOT) 21.11.23 to 25.11.23 JNTUK – One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) 21.08.23 to 25.08.23

4. AICTE Training and Learning (ATAL) Academy Sponsored Online FDP on "Digital Forensics and Anti-Forensics", 05 Dec 2022 to 16 Dec 2022.

5. "Cyber Security", JNTUH, Two Days FDP on 02 Dec 2022 to 03 Dec 2022.

6. "Artificial Intelligence, Machine Learning & Applications", Online One-Week National Level Faculty Development Programme from 25 July to 29 July – 2022.

7. "Microsoft Azure AI Engineer Associate (Online FDP)", ICT Academy on 20 Jun 2022 to 22 Jun 2022.

Patents Published:

A Device for Diagnosis of Brain Tumors Using Machine Learning and Sensors by Designs and Trade Marks Intellectual Property Office in Government of UK, Design number: 6364693 ,Grant date: 15 May 2024 Registration date: 07 May 2024.

PERSONAL PARTICULARS

Father's Name   : Tamilalagan.S

Date of Birth   : 16.12.1983

Gender   : Male

Blood Group   : B+ve

Marital Status   : Married

Nationality   : Indian

Linguistic Abilities : English, Tamil, Malayam and Hindi

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                       Dharmapuri DT.

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