NEXGEN TECHNOLOGY

FINAL YEAR IEEE IOT TITLES 2021-2022

1. Convergence of Artificial Intelligence and Internet of Things in Smart Healthcare: A Case Study of Voice Pathology Detection

2. Towards Blockchain for Suitable Efficiency and Data Integrity of IoT Ecosystem Transactions

3. Convergence of Artificial Intelligence and Internet of Things in Smart Healthcare: A Case Study of Voice Pathology Detection

4. Edge computing-based joint client selection and networking scheme for federated learning in vehicular IoT

5. Prediction of Re-Occurrences of Spoofed ACK Packets Sent to Deflate a Target Wireless Sensor Network Node by DDOS

6. iGCACS-IoD: An Improved Certificate-Enabled Generic Access Control Scheme for Internet of Drones Deployment

7. Continuous-Phase Modulation for DFT-Spread Localized OFDM

8. Cooperative Caching Scheme for Machine-to-Machine Information-Centric IoT Networks

9. Multi-Label Data Fusion to Support Agricultural Vulnerability Assessments

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10. Link Resource Allocation Strategy Based on Age of Information and Sample Extrusion Awareness in Dynamic Channels

11. B5G-Enabled Distributed Artificial Intelligence on Edges for COVID-19 Pandemic Outbreak Prediction

12. Pandemic Management for Diseases Similar to COVID-19 Using Deep Learning and 5G Communications

13. Pandemic Management for Diseases Similar to COVID-19 Using Deep Learning and 5G Communications

14. Optimization of IoT-Based Artificial Intelligence Assisted Telemedicine Health Analysis System

15. Towards Enhancing Spectrum Sensing: Signal Classification Using Autoencoders

16. Intelligent Behavior-Based Malware Detection System on Cloud Computing Environment

17. Incorporating Artificial Fish Swarm in Ensemble Classification Framework for Recurrence Prediction of Cervical Cancer

18. ML-LGBM: A Machine Learning Model Based on Light Gradient Boosting Machine for the Detection of Version Number Attacks in RPL-Based Networks

19. Provable Privacy Preserving Authentication Solution for Internet of Things Environment

20. Optimized Energy – Efficient Path Planning Strategy in WSN With Multiple Mobile Sinks

21. Comparing Wi-Fi 6 and 5G Downlink Performance for Industrial IoT

22. ICT Enabled TVET Education: A Systematic Literature
23. Review

24. On Performance of PBFT Blockchain Consensus Algorithm   for IoT-Applications With Constrained Devices

25. Improvement of ß-Ga2O3 MIS-SBD Interface Using AlReacted Interfacial Layer

26. A Lightweight PUF-Based Authentication Protocol Using Secret Pattern Recognition for Constrained IoT Devices

27. Novel Differential r-Vectors for Localization in IoT Networks

28. Towards Secured Online Monitoring for Digitalized GIS Against Cyber-Attacks Based on IoT and Machine Learning

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29. Chipless RFID Multisensor for Temperature Sensing and Crack Monitoring in an IoT Environment

30. Electric Model for Electromagnetic Wave Fields

31. Node ranking strategy in virtual network embedding: An overview

32. Toward a Wearable Crowdsource System to Monitor Respiratory Symptoms for Pandemic Early Warning

33. SSII: Secured and High-Quality Steganography Using Intelligent Hybrid Optimization Algorithms for IoT

34. Dielectric Relaxational Phenomena in Interacting Composite Structures

35. MABAN: Multi-Agent Boundary-Aware Network for Natural Language Moment Retrieval

36. Bluetooth Signal Attenuation Analysis in Human Body Tissue Analogues

37. Capacity-Driven Autoencoders for Communications

38. Anti-balance Load Control System Applied to an Overhead Crane Prototype Activated by Voice Commands

39. Modelling of Transmission Lines Inside Modern Integrated Semiconductor and Test Boards

40. Ultrathin Three-Axis FBG Wrist Force Sensor for Collaborative Robots

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S.NO	PROJECT TITLE
1.	Heart-rate analysis of healthy and insomnia groups with detrended fractal dimension feature in edge
2.	Energy-Efficient Offloading for DNN-Based Smart IoT Systems in Cloud-Edge Environments
3.	A Secure and LoRaWAN Compatible User Authentication Protocol for Critical Applications in the IoT Environment
4.	A Proactive Manufacturing Resources Assignment Method Based on Production Performance Prediction for the Smart Factory
5.	Dynamic Edge and Cloud Service Integration for Industrial IoT and Production Monitoring Applications of Industrial Cyber-Physical Systems
6.	Practical Membership Inference Attack Against Collaborative Inference in Industrial IoT
7.	Combinatorial Analysis for Securing IoT-Assisted Industry 4.0 Applications From Vulnerability-Based Attacks
8.	Federated Deep Learning for Cyber Security in the Internet of Things: Concepts, Applications, and Experimental Analysis
9.	IoT-Based Interdigital Capacitance Sensing System for Damage Detection in CFRP-Concrete Structures

10.	**Enhancing the Performance of Lightweight Configurable PUF for Robust IoT Hardware-Assisted Security**
11.	**A Framework for IoT Based Appliance Recognition in Smart Homes**
12.	**AgriFusion: An Architecture for IoT and Emerging Technologies Based on a Precision Agriculture Survey**
13.	Using Long Short-Term Memory (LSTM) and Internet of Things (IoT) for Localized Surface Temperature Forecasting in an Urban Environment
14.	Quantum-Resistant Cryptography for the Internet of Things Based on Location-Based Lattices
15.	Trustworthy Blockchain Gateways for Resource-Constrained Clients and IoT Devices
16.	IoT Inspired Intelligent Monitoring and Reporting Framework for Education 4.0
17.	Lightweight Three-Factor-Based Privacy- Preserving Authentication Scheme for IoT-Enabled Smart Homes
18.	Machine Learning Based Indoor Localization Using Wi-Fi RSSI Fingerprints: An Overview
19.	A Robust Device-to-Device Continuous Authentication Protocol for

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	the Internet of Things
20.	**A Review of Security Standards and Frameworks for IoT-Based Smart Environments**
21.	Energy Harvesting and Power Management for IoT Devices in the 5G Era
22.	LiHEA: Migrating EEG Analytics to Ultra-Edge IoT Devices With Logic-in-Headbands
23.	Learning-Based Task Migration with Bargaining Strategy in the Internet of Things for e-Health Applications
24.	Intelligent Learning Based Active Power Regulation of Wind Turbines Considering Fatigue Reduction
25.	Sensor Fault Estimation in a Probabilistic Framework for Industrial Processes and its Applications
26.	Smart Meters Enabling Voltage Monitoring and Control: The Last-Mile Voltage Stability Issue

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