

Patents

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Lavanya	A Framework for Identification of Fake Products Using Secure Bit Coin Transaction Integrated With Internet Of Things (IoT) Techniques	India Patent Office	2022	Patent Application No. 202241061208, Published on 04/11/2022
2	Lavanya	IoT Based Vehicle Safety System For Real-Time Alcohol Detection And Driver Monitoring	India Patent Office	2024	Patent Application No. 202441014341, Published on 14/06/2024
3	Lavanya, A.	Drone for Monitoring Evapotranspiration in Agricultural Fields	India Patent Office	2026	Design Application No: 437443-001
4	K. Appathurai	Corona Detecting IoT Enabled Facemask	India Patent Office	2021	Patent Application No. 202141019673
5	K. Appathurai	Machine Learning Embedded Heart Health Monitoring Device	India Patent Office	2023	Patent Application No. 392428-001
6	Yashodha, G.	Real Time Collision Avoidance and Intelligent Driver Assist Automated System	India Patent Office	2023	Patent Application No. 202341080906

Conference Publications

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	A. Lavanya	Threats to Cybersecurity in The Internet Of Things (IoT)	NCICST	2024	-

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2	A. Lavanya	The Use of AI in Agriculture	AI Conference	2024	December
3	A. Lavanya	Review of Artificial Intelligence and Machine Learning	AI & DS Conference	2025	March
4	A. Lavanya	IoT for Next Generation Systems (5G-IoT)	International Conference on Computational Technologies	2025	March
5	A. Lavanya	Review of Machine Learning Applications	Computational Science Conference	2023	July
6	A. Lavanya	Review of DDoS Attacks in IoT	Cybersecurity Conference	2022	October
7	A. Lavanya	DDoS Attack in SDN and Defense Mechanisms	Computing and Intelligent System Conference	2021	August
8	A. Lavanya	Survey of IoT DoS and DDoS Attacks	CyberSecurity Conference	2023	November
9	A. Lavanya	Motivation for NEP Education Policy	Education Policy Conference	2025	February
10	A. Lavanya	IoT and Cyber Security Management	IoT Cyber Security Conference	2024	January
11	A. Lavanya	Cybersecurity Machine Learning	Cyber and Information Security Conference	2025	October
12	A. Lavanya	Detect and Protect DDoS on Cloud	ML Smart Technology Conference	2021	ISBN: 978-93-90781-87
13	A. Lavanya	AI and Quantum Computing Integration	Emerging Trends Conference	2026	February

Conference (S. Deepankumar)

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	S. Deepankumar	Contemporary Technology and Cyber Security Environment	Emerging Trends in AI & ML	2026	ISBN: 978-93-5692-365-2
2	S. Deepankumar	Siamese CNN CapsNet LSTM for Pulmonary Disease Detection	Innovative Data Communication Conference	2025	October 6-8

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3	S. Deepankumar	Deep Learning Framework for COVID-19 Radiography	Quantum Computing Conference	2024	Volume 1, Page 920
4	S. Deepankumar	An Analysis on Deep Learning and Machine Learning Algorithms for COVID-19 Identification	Conference on Advanced Computational Intelligence and Disruptive Technologies	2024	ISBN: 978-81-970893-6-7

Research Journal and Book Publications

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Lavanya, A.	IoT-Enabled Dual Feature Extraction Network for Breath-based Glucose Prediction	IEEE ICIDCA	2025	RVS College, Coimbatore
2	Lavanya, A.	EnBF-Crypt: Enhanced Blowfish Cryptography	IEEE ICISS	2025	SCAD College, Tirunelveli
3	Lavanya, A.	Fuzzy Controller for DDoS Attack Defense	Indian Journal of Natural Sciences	2022	ISSN: 0976-0997
4	Lavanya, A.	Case Based Reasoning Model for DDoS Defense	IJRITCC	2023	Ref IJRITCC-23/01_02
5	Lavanya, A. & Shanmuga Priya, N.	Detection and Protection of DDoS Attack	IOSR Journal of Engineering	2021	Special Issue
6	Lavanya, A.	Method to Detect and Protect DDoS	ML Smart Technology Conference	2021	ISBN: 978-93-90781-87
7	Pameela Rani, P. R.	Learning Systems and Challenges	IJITCE	2023	-
8	Yashodha, G. et al.	Role of IoT in Artificial Intelligence	IOP Conference Series	2021	-
9	Pameela Rani, P. R.	Monitoring WSN Behaviour	IJBAR	2018	Vol 8(6)
10	Pameela Rani, P. R.	Nautical WSN Overview	IJART	2018	-

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11	Yashodha, G.	Tea Leaf Disease Identification	Indian Journal of Natural Sciences	2023	Pages 59912-59923
12	Yashodha, G.	Biometric Usage in IoT	Journal of Multidimensional Research	2021	Vol 2
13	Yashodha, G.	Latent Palm Prints Review	IJBAR	2018	-
14	Yashodha, G.	Biometrics in IoT Security	IJSRCSAMS	2018	Vol 7
15	Yashodha, G.	Biometrics in Forensic Investigation	IJART	2017	Vol 5
16	Rajalakshmi, M.	Deep Learning for Air Quality Classification	Scientific Temper	2023	December Issue
17	Rajalakshmi, M.	Voting Classification Algorithms	Indian Journal of Natural Sciences	2023	Vol 14(81)
18	Rajalakshmi, M.	Sentiment Analysis Techniques	Romanian Society for Cell Biology	2021	Vol 25(5)

National and International Conference Participation

S.No.	Author(s)	Title / Topic	Publisher / Organizer / Journal	Year	Additional Details
1	Pameela Rani, P. R.	Feature Selection for IDS using T-SNE	IT Connect 2K25	2025	-
2	Pameela Rani, P. R.	Deep Learning IDS	CCIS	2025	-
3	Pameela Rani, P. R.	Women Defence System using IoT	International Conference	2024	-
4	Pameela Rani, P. R.	COVID Mask Simulation	Virtual Conference	2022	-
5	Pameela Rani, P. R.	LEACH Clustering in WSN	ICCIS	2021	-
6	Appathurai, K.	Cloud File Security Protocol	IEEE ICRC	2023	-
7	Appathurai, K.	Zero Value in Mathematics using AI	IEEE ICOSSEC	2023	-

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8	Appathurai, K.	Steganography for IoT Security	IEEE Conference	2024	-
9	Appathurai, K.	Drug Modeling using ML	IEEE ICOSEC	2024	-
10	Appathurai, K.	Dipsomania Face Detection	IEEE ICOSEC	2024	-
11	Appathurai, K.	Nutrition ML for Women	IEEE 3ICT	2024	-
12	Appathurai, K.	EEG Dyslexia Detection	IEEE ICECA	2025	-
13	Deepan Kumar, S. & Poornimha, J.	COVID Detection using X-Ray	International Conference	2025	-
14	Poornimha, J. & Deepan Kumar, S.	Cyber Security Landscape	International Conference	2025	-
15	Poornimha, J. et al.	Energy Scheduling in WSN	Lecture Notes	2022	Vol 317
16	Poornimha, J.	Energy Routing in WSN	IEEE ETI 4.0	2021	-
17	Yashodha, G. & Pameela Rani	Diabetic Retinopathy Classification	ICIDCA	2025	-
18	Yashodha, G. et al.	Plant Disease Detection	ICEARS	2025	Pages 1197-1204
19	Yashodha, G.	Indoor Air Quality Monitoring	CCIS	2024	Vol 2121
20	Yashodha, G.	Smart Room IoT Control	IJITCE	2023	ISSN: 2045-8711
21	Yashodha, G.	IoT in Education	International Conference	2022	-
22	Yashodha, G.	Accident Alert System GPS	Virtual Conference	2022	-
23	Yashodha, G.	Digital Forensics Review	National Conference	2022	-
24	Yashodha, G.	IoT for COVID-19	ICCIS	2021	-
25	Yashodha, G. & Shalini, D.	Tea Leaf Disease Prediction	Materials Today	2020	Vol 37