DEPARTMENT OF INFORMATION TECHNOLOGY

PUBLICATIONS IN BOOK CHAPTERS

Sl. No.	Name of the Faculty	Title of the Book/published	Title of the Chapter published	Year and month of publication	ISBN of the Book	Name of the Publisher
1.	Dr D.Jeyabharathi	Handbook of Computational Intelligence and Its Applications in Healthcare.	Neural Network Based Abnormality Detection for Electrocardiogram Time Signals.	August 2020	978-0-12-820604-1	Elsevier
2.	Ms S.Madumidha	Large-scale Data streaming, Processing and Blockchain Security	Integrating Block chain and IoT in Supply chain management: A framework for transparency and traceability	November 2020	9781799834441	IGI Global
3.	Dr D.Jeyabharathi	Machine Vision Inspection Systems,Volume 2: Machine Learning Based approaches	An Innovative extended method of optical Pattern Recognition for Medical Images with Firm Accuracy-4f System-Based Medical Optical Pattern Recognition	December 2020	9781119786092	Wiley
4.	Dr D.Jeyabharathi	Design and Development of Efficient Energy Systems	Gas Leakage Detection from Drainage to offer Safety for Sanitary Workers.	April 2021	9781119761631	Wiley
5.	Dr D.Jeyabharathi	Design and Development of Efficient Energy Systems	Review of Machine Learning Techniques Used for Intrusion and Malware Detection in	April 2021	9781119761631	Wiley

			WSNs and IoT Devices.			
6.	Dr D.Jeyabharathi Ms T.Sangeetha	Blockchain for smart cities	Waste Management in Smart Cities using Blockchain Technology.	August 2021	978-0-12-824446-3	Elsevier
7.	Dr. D.Jeyabharathi	IGI-Handbook of Research on Machine Learning Techniques for Pattern Recognition and Information Security	Waste Management in Smart Cities using Blockchain Technology.	December 2021	978-013-0000000	IGI
8.	Dr.R.Suganya	Pervasive Computing and Social Networking	Automatic Animal Detection and Collision Avoidance System (ADCAS) Using Thermal Camera.	January 2022	978-981-16-5639-2	Springer book series
9.	Dr. A.Christy Jeba Malar	Smart and Innovative Water Conservation and Distribution System for Smart Cities	IoT and IoE Driven Smart Cities.	December 2021	978-3-030-82715-1	Springer
10.	Dr. A.Christy Jeba Malar	Smart Systems for Industrial Applications	Improved Weighted Distance Hop Hyperbolic Prediction–Based Reliable Data Dissemination (IWDH-HP-RDD) Mechanism for Smart Vehicular Environments	January 2022	978-111-97-62003	Wiley
11.	Dr. A.Christy Jeba Malar	Smart Systems for Industrial Applications	Improved Merkle Hash and Trapdoor Function–	January 2022	978-111-97-62003	Wiley

			Based Secure Mutual Authentication (IMH-TF-SMA) Mechanism for Securing Smart Home Environment.			
12.	Dr. G Lavanya	EAI/Springer Innovations in Communication and Computing	EYE-TM: An Automatic Teller Machine for the Visually Impaired.	February 2022	978-303-08-6165	Springer
13.	Ms. Malathi M	Lecture Notes in Networks and Systems	Backpropagation In Spiking Neural Network Using Reverse-Spiking Mechanism.	July 2022	Print ISBN978-3-031-12412-9	Springer
14.	Dr.R Suganya	Smart Data Intelligence	Product Review Analysis by Web Scraping Using NLP.	August 2022	978-981-19-3310-3	Springer
15.	Dr A Christy Jeba Malar	Lecture Notes in Networks and Systems	Honey Badger Optimization Algorithm-Based RSU Deployment for Improving Network Coverage in VANETs.	June 2023	978-981-19-9 511-8	Springer
16.	Dr A Christy Jeba Malar	Lecture Notes in Networks and Systems	An Adaptive Opposition Learning-Improved Slime Mould Algorithm-Based Optimization Routing for Guaranteeing Reliable Data Dissemination in FANETs.	June 2023	978-981-19-9 511-9	Springer