

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| 2023-2024 | | | | | | | | | |
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| S. No | Name of the Faculty | Book/ Book Chapter | Title of the Book published | Title of the Chapter published | National / International | Year and month of publication | ISBN of the Book | Name of the Publisher | Name of the proof in Folder |
| 1 | Dr.K.Kavitha | BOOK CHAPTER | Sustainable Digital Technologies for Smart Cities - | SVM-Based Demodulator for QPSK Signal Suitable for Vehicular Communication | International | 06-01-2023 | 978'1003307716 | Taylor and francis | https://shorturl.at/xdQO1 |
| 2 | Dr.K.Kavitha | Book Chapter | Blockchain enabled Big Data Computing for smart cities using Internet of Things | Blockchain - powered healthcare data transmission: An overview | International | 24-01-2024 | 979-8-89113-243-6 | Nova Science Publishers. Inc,Newyork | https://novapublishers.com/shop/blockchain-enabled-secure-big-data-computing-for-smart-cities-using-internet-of-things/ |

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| 3 | Dr.K.Kavitha | Book Chapter | Artificial Intelligence, Blockchain, Computing and Security Volume 2 | The band-notched UWB MIMO antenna with split-ring resonators | International | 15-07-1905 | 978-1032684994 | Taylor and francis | https://www.taylorfrancis.com/chapters/edit/10.1201/9781032684994-45/band-notched-uw-mimo-antenna-split-ring-resonators-gayathri-kavitha-kanagaraj |
| 4 | Dr S N Shivappriya | Book Chapter | Blockchain enabled Big Data Computing for smart cities using Internet of Things | Sustainable Digital Technologies for Smart Cities -Healthcare, Communication , and Transportation | International | Jun-23 | 978-1-003-30771-6 | Taylor and francis | https://www.taylorfrancis.com/chapters/edit/10.1201/9781003307716-14/heart-disease-classification-using-multi-layer-perceptron-mlp-neural-network-shivappriya-rajaguru-harikumar-krishnamoorthi-maheswari-ramasamy-dhivya-praba |
| 5 | Dr S N Shivappriya | Book Chapter | Proceedings of Fourth Doctoral Symposium on Computational Intelligence | Significance of Literacy in Minimizing Infant Mortality and Maternal Anemia in India: A State-Wise Analysis | International | 17-Sep-23 | 978-981-99-3715-8 | LNNS, volume 726) | https://shorturl.at/MQwPU |

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| 6 | R Dhivya Praba, | Book Chapter | Sustainable Digital Technologies for Smart Cities -Healthcare, Communication , and Transportation | Service Line Fault Detector and Distance Calculator for Smart Cities | International | Jun-23 | 978-1-003-30771-6 | Taylor and francis | https://shorturl.at/ld5h |
| 7 | K.Karthika | Book Chapter | Advances in Microwave Engineering From Novel Materials to Novel Microwave Applications | Optimization Algorithms for Reconfigurable Antenna Design: A Review | International | 2023 | 978-1003459880 | Taylor and francis | https://tinyurl.com/4r458n78 |
| 8 | Arun Kumar S | Book Chapter | Sustainable Digital Technologies for Smart Cities -Healthcare, Communication , and Transportation | Computer-Aided Diagnosis toward Improving Severity Assessment of Dysarthria | International | 23-Jun | 978-1-003-30771-6 | Taylor and francis | https://tinyurl.com/mry9xe9z |

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| 9 | B. Gopinath | Book Chapter | Advances in Science and Technology | HIGH PERFORMANCE PARALLEL MEDIAN FILTER FOR REMOVING SALT AND PEPPER NOISE IN DIGITAL IMAGES | National | Apr-23 | 978-93-88901-40-6 | Bhumi Publishing, India | https://www.bhumipublishing.com/wp-content/uploads/2023/04/Advances-in-Science-and-Technology-Volume-I.pdf |
| 10 | Dr. B. Gopinath | Book Chapter | Advances in Science and Technology | SIMULATION AND IMPLEMENTATION OF PASSWORD BASED SECURITY SYSTEM USING PROTEUS TOOL | National | Apr-23 | 978-93-88901-40-6 | Bhumi Publishing, India | https://www.bhumipublishing.com/wp-content/uploads/2023/04/Advances-in-Science-and-Technology-Volume-I.pdf |
| 11 | Dr. B. Gopinath | Book Chapter | Lecture Notes on Data Engineering and Communications Technologies | IoT-Enabled Wearable Smart Glass for Monitoring Intraoperative Anesthesia Patients | International | 20-Oct-23 | 978-3-031-46572-7 | Springer, Cham | https://link.springer.com/chapter/10.1007/978-3-031-46573-4_15#citeas |
| 12 | Dr.S.Umamaheswari | Book Chapter | Automatic speech recognition and translation for low resource languages | Bridging the Linguistic Gap: A Deep Learning-Based Image-to-Text Converter for Ancient Tamil with Web Interface | International | 24-Apr | 9781394213580 | Wiley | Bridging the Linguistic Gap: A Deep Learning-Based Image-to-Text Converter for Ancient Tamil with Web Interface |

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| 13 | Dr.Sasikala S | Book Chapter | Exploration of Artificial Intelligence and Blockchain Technology in Smart and Secure Healthcare | Enhancement of Breast Cancer Screening through Texture and Deep Feature Fusion Model using MLO and CC View Mammograms | International | Mar-24 | 2737-5722 | Bentham Science Publisher | https://www.eurekaselect.com/chapter/21873 |
| 14 | Dr.Sasikala S | Book Chapter | Exploration of Artificial Intelligence and Blockchain Technology in Smart and Secure Healthcare | Enhancing the Communication of Speech-Impaired People Using Embedded Vision-based Gesture Recognition through Deep Learning | International | Mar-24 | 2737-5722 | Bentham Science Publisher | https://www.eurekaselect.com/chapter/21873 |
| 15 | Dr.Sudipta Banerjee | Book Chapter | Futuristic Trends in Electrical Engineering | DESIGN OF THIN FILM CdTe SOLAR CELL USING PC1D | International | 01-05-2024 | : 978-93-6252-001-2 | IIP Series | https://www.iipseries.org/viewpaper.php?pid=1729&pt=design-of-thin-film-cdte-solar-cell-using-pc1d |
| 16 | Dr.Sudipta Banerjee | Book | Optical Computing and its Applications | NA | International | 21-May-24 | 978-620-7647804 | LAMBERT Academic publishing | https://www.bookswagon.com/book/optical-computing-its-applications-sudipta/9786207647804?srsltid=AfmBOor7AiCIDTm9DoHARLXwrew9PjkhMmUbmC5RtDxsyOAYXPBbwlaq#aboutbook |

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| 1 | Dr.A.Amsav ni | Book Chapter | Next Generation Wireless Communication | Security Threats and Privacy Challenges in Millimeter- Wave Communication s | International | 24-Jul | Print ISBN: 978-3-031-56143-6 Online ISBN: 978-3- 031-56144-3 | Springer, Cham | <u>Book Chapter Proof</u> |
| 2 | Dr. Boobalan | Book Chapter | Emerging Advancements in AI and Big Data Technologies in Business and Society | Identification of Neuro-Blastoma and Pediatric Cancer Using Time Series Analysis | International | 24-Aug | ISBN13: 9798369306833 ISBN13 Softcover: 9798369306840 ISBN13: 9798369306857 | IGI Global Publishing | https://kumaragurudtsteam-my.sharepoint.com/:b:/g/personal/boobalan_j_ece_kct_ac_in/Ebv51Rh-y2lGnw4jKyYzGesBgAGf4FuQgKMI3-9azhpvBA?e=LMEG0q |
| 3 | Dr. Boobalan | Book Chapter | Emerging Advancements in AI and Big Data Technologies in Business and Society | Performance Improvement and Optimization in Networks Using Ensemble Kalman Filters | International | 24-Aug | ISBN13: 9798369306833 ISBN13 Softcover: 9798369306840 ISBN13: 9798369306857 | IGI Global Publishing | https://kumaragurudtsteam-my.sharepoint.com/:b:/g/personal/boobalan_j_ece_kct_ac_in/Ef7Ye17cEptKhsIVgsS_w-8Bj1vIXiZdP6LGS03OI1X0jg?e=xXlglM |
| 4 | Dr. K.Kavitha | Book Chapter | 6G Communication Network | 6G wireless networks for V2X communication | International | 24-11-2024 | 97810-03522003 | CRC Press | https://doi.org/10.1201/9781003522003 |