**3.4.4 Number of books and chapters in edited volumes / books published per teacher during 2022-23**

| Sr. No | Name of the teacher/ Author | Title of the paper | Title of the Book/Proceedings of the Conference | Name of the Publisher | National/ International | ISBN | Month and Year of publication | Pages |
|---|---|---|---|---|---|---|---|---|
| 1 | P. Murali Mohan Kumar | A Numerical Algorithm Based on Tension Spline Scheme for Solving Singularly PerturbedDifferential Difference Equations with Shifts | Recent Advances in Applied Mathematics and Applications to the Dynamics of Fluid Flows | Springer | International | 2195-4356 | Mar-23 | 251-261 |
| 2 | P. Srikanth | GROCD:Novel Fuzzy Rules Based on Efficient Clustering and Classification of BDNF (Brain-Derived Neurotrophic Factor) with Type-2 Diabetes Mellitus | Empowering Artificial Intelligence Through Machine Learning | Taylor & Francis | International | 978-100-3-05512-9 | Dec-22 | 83-96 |
| 3 | D. Siva Krishna | Distributed semantic architecture for smart grids: an industrial approach | Sustainable Networks in Smart Grid | Elsevier | International | | Jun-22 | 149-177 |
| 4 | Dr M Satish | Robust Fraud Detection Mechanism | Cyber Security and Network Security | Wiley | International | | Dec-22 | 71-94 |
| 5 | Ajit Kumar Rout | Book Genre Cassification system using machine learning approach: A Survey | Soft Computing and Signal Professing | | International | | Jun-23 | 231-241 |

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|---|---|---|---|---|---|---|---|---|
| 6 | Dania | Web based voice assistant for railways using deep learning approach | Ubiquitous Intelligent Systems | | International | | Jul-22 | 513-526 |
| 7 | TVS Divakar | Multiple slotted triple band PIFA Antena for wearable Medical applications at 2.5-9 GHz | | Springer | International | | Mar-23 | 315-325 |
| 8 | Dr. A. Sudhakar | Post-quantum cryptography for the detection of injection attacks in small-scale networks | | De Gruyter | International | 978-311-0-79800-5 | 2022-23 | |
| 9 | Dr. T. Prabhakar | Deep learning-based automatic detection of breast lesions on ultrasound images | | Taylor & Francis | International | 978-100-3-28674-5 | 2022-23 | 65 |
| 10 | Dr. B.Anil Kumar | | Firmware Development for Interfacing Sensors and Actuators with Arduino | PRINCETON PRESS | International | 978-920-5-20242-6 | 2022-23 | |
| 11 | Penki Ramu | Modeling of Bituminous concrete Job mix formula design using Path Variate Analysis and Interval method | Advancements in Sustainable Materials and Infrastructure, Earth and Environmental Science | IOP Publishing | International | | 2022-23 | 12026 |
| 12 | Kanta Naga Rajesh | Performance of Recycled Plastic Waste and Used Foundry Sand as a Replacement of Fine Aggregate in Concrete | Recent devolpments in insustainable infrastucture | Springer | International | | Jun-22 | 735-747 |
| 13 | Kanta Naga Rajesh | A review on performance of cenosphere utilization in concrete | Materials Today: Proceedings | Elsevier | International | | Dec-22 | 5567-5570 |
| 14 | P Naga Pavani | A design overlay thickness prediction modelfor asphalt pavements using deepneural network architecture | National conference on resilience infrastructure (NCRI) | Other | International | | Sep-22 | |

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| 15 | Sridhar Jayaprakash | Influence of Prosopis juliflora ash in mechanical properties of concrete | Materials Today Proceedings | Elsevier | International | 2214-7853 | Dec-22 | 1168-1172 |
| 16 | A.Arun Solomon | Abusive Comment Detection in Social Media with Bidirectional LSTM Model | IEEE Explore | Other | International | | Jun-23 | 1368-1373 |
| 17 | A.Arun Solomon | Influence of Supplementary Cementitious Materials on Stress-Strain behaviour and Toughness Characteristics of Concrete Subjected to Higher Temperature Exposure | Materials Today: Proceedings | Elsevier | International | 2214-7853 | Mar-23 | |
| 18 | A.Arun Solomon | Turning Low-Density Polyethylene plastic waste into plastics bricks for sustainable development | Materials Today: Proceedings | Elsevier | International | 2214-7853 | Apr-23 | |
| 19 | B A V Ram Kumar | Performance evaluation of red mud as a construction material – A review | Materials Today: Proceedings | Elsevier | International | 2214-7853 | Apr-23 | 17 |
| 20 | S.H. Vamsi Krishna | Prediction of UCS and CBR of a stabilized Black-cotton soil using artificial intelligence approach: ANN", | Materials Today: Proceedings | Elsevier | International | 2214-7853 | May-23 | |
| 21 | R Gokulan | Water Conventional and novel treatment methods | | Elsevier | International | | 2022-23 | 37-66 |
| 22 | G Chandra Sekhar | Network Analysis & Synthesis | | Deccan International Academic Publishers | International | 978-93-95191-12-8 | 2022-23 | |
| 23 | Ramana Pilla | Industrial Electronics | | Shree Publishing House | International | 978-93-91117-91-7 | 2022-23 | |
| 24 | Ramana Pilla | Electronic Devices and Circuits | | S Chand | International | 978-93-55017-62-8 | 2022-23 | |