**SRI VENKATESWARA COLLGE OF ENGINEERING**

**Dean (Research), Office of Dean (Research)**

**Books/Book chapters published by faculty for the Academic year 2021-2022**

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| --- | --- | --- | --- |
| **S. No.** | **Name of the Faculty** **(all coauthors)** | **Title of the Book/Book Chapter** | **Details of the Book** |
|  | Dr A Venmathi**, Ms K Srividhya and** Dr.Jullie Josephine | Antennas and Microwave Engineering | Charulatha Publications, Books and IT solutions Company, 2021 |
|  | **Mr K Ramprasad****Mr M Nishal****Mr S P Arunram****(Alumni)**Mechanical Enginerring | Mitigating Risks and Barriers for Promotion and Implementation of Technologies in E-Healthcare'  | R[emote Work and Sustainable Changes for the Future of Global Business](https://www.igi-global.com/book/remote-work-sustainable-changes-future/264375), **Book Chapter - 12**, P.No: 199-218, IGI Global Publisher, 2021.10.4018/978-1-7998-7513-0.ch012 |
|  |  **Ms Rupakesavan**, Mr Vijayaraja Loganathan, Mr T Shankar andMr J K Periasamy | Fog-Computing: A Novel Approach For Cloud-based devices Using Perceptual Cloning Manifestation-PERCOLNIF Taxonomy by Energy Optimization | Energy Conservation Solutions for Fog-Edge Computing Paradigms, **Chapter 2,** Springer-Verlag , New York, 2021.    DOI: 10.1007/978-981-16-3448-2  |
|  | **Dr B Thilaka**, Professor and Dep. COE, Dr B Poorani and Dr S UdayabaskaranApplied Mathematics | Performance Analysis of an M/M/1 Queue with Single Working Vacation with Customer Impatience Subject to Catastrophe | Mathematical Analysis and Computing, Springer Singapore, **Chapter 24**; pp 269-292, 2021, DOI: 10.1007/978-981-33-4646-8\_24 |
|  | **Dr N Rajganesh**Associate ProfessorPethuru Raj and Ramkumar ThirunavukarasuComputer Science and Engineering | Operationalizing Multi-Cloud Environments | Edited and PublishedSpringer, 2021. |
|  | **Abishaik Mohan (Alumni 2019- Extreme Networks)**, Balaji Seetharaman (Extreme Networks) , Dr **P. Janarthanan ,****Associate Professor,** Computer Science and Engineering | An Approach to Ensure High-Availability Deployment of IoT Devices | ”,   [Block chain, Artificial Intelligence, and the Internet of Things](https://link.springer.com/book/10.1007/978-3-030-77637-4) , Springer, pp 75-89, Springer, 2021. |
|  | Ms S Siva Sankari and **Dr C Jayakumar,** Professor, Department of Computer Science and Engineering | Short-Term Load Forecasting Using Random Forest with Entropy-Based Feature Selection | Artificial Intelligence and Technologies", pp 73-80, Springer, 17th December 2021. |
|  | **Mr A Kumaraswamy**Prof. B Durga PrasadMr K Rajesh andMahesh Manohar Bhanushali | Automobile Engineering Fundamentals | Notion Press, 1st edition, 28 December 2021, ISBN-13 ‏ : ‎ 979-8885465700 |
|  | Mr S Ramesh, Ms K Prathibanandhi, P Hemalatha and **Dr C Yaashuwanth**Mr Raja Basha | The convergence of novel deep learning approaches in cyber security and digital forensics | Simulation and Analysis of Mathematical Methods in Real time Engineering Applications, John Wiley and Sons, August 2021 |
|  | Dr S Ananda BabuAnd A Nachiappan | Biocompatibility Studies of materials- AN Overview | Materials Development and Processing for Biomedical Applications, Book Chapter 4, First Edition, CRC press, 2022e- ISBN 9781003173533 |
|  | Dr T Balusamy, Mr Sivakumar Bose, Dr T S N Sankara Narayanan and Dr K Ravichandran | Surface Nano structuring of Ti Based Alloys for Biomedical Applications | Materials Development and Processing for Biomedical Applications, Book Chapter 17, First Edition, CRC press, 2022e- ISBN 9781003173533 |
|  | Thulasidhas Dhilipkumar, Murugan Rajesh, **Dr A Soundhar** | Dynamic Behavior of Adhesively Bonded Structures in Aerospace Applications | [Repair of Advanced Composites for Aerospace Applications](https://www.taylorfrancis.com/books/mono/10.1201/9781003200994/repair-advanced-composites-aerospace-applications?refId=d8e4661c-1eb9-415d-af53-efbfb1b0ccaf&context=ubx), First Edition, CRC Press, pp.7-, 2022eBook ISBN 9781003200994 |
|  | **Ms P Vinothiyalakshmi,** C Muralidharan, Y Mohamed Sirajudeen, **Dr** **R Anitha** | Digitized Land Registration Using Blockchain Technology | Blockchain Technology- CRC Press, Feb 2022e-ISBN 9781003138082-05 |
|  | Ravi Rajamanickamand **Divya Baskaran**Chemical Engineering | Neural network model for biological waste management systems | Current Trends and Advances in Computer Aided Intelligent Environmental Data Engineering" Elsevier, ISBN: 978-0-323-85597-6 on **Chapter 18**, March 20, 2022 |
|  | Dr E Ilamathian, Mr Ghangesh Gunaseelan, Dr M B Binda, **Dr A Bhaskaran**, Professor and Head, Department of Applied Physics and Dr S Arumugam | Educational Technology for Teaching and Learning, First Edition | ARINNA Publishers, 2022 |
|  | Ms Shalini Annadurai, Dr R **Kumutha,** Professor and Head, Department of Civil Engineering, and Mr Vijai Kanagarajan, | An Experimental Study on Strength and Durability Properties for Utilization of Rice Husk Ash (RHA) in Geopolymer Concrete | Sustainable Building Materials and Construction*,* Vol. 222*,* pp 87-95, 2022.**(Book Chapter)** |