

### **Books and Book Chapters**

#### **Academic Session (2021-2022)**

1. **Dhananjay Singh**, K.V. Subrahmanyam, Sudhakar A., and Pooja Singh Gautam, “**Microwave Engineering: Concepts and Fundamentals**”, *Scientific International Publishing House (SIPH)*, March 2022, ISBN No : 978-93-5625-093-2. (**Book**)
2. **Dr. Shilpee Patil**, “**Study of Rectangular Microstrip Antenna Loaded with Gunn Diode**”, *Technological Innovation in Engineering Research Vol. 2*, Page 171-181 BP International: ISBN: 978-93-5547-599-2 (Print) ISBN 978-93-5547-686-9, 16 May 2022, <https://doi.org/10.9734/bpi/tier/v2/15992D> (eBook) (**Book Chapter**)
3. **Dr. Laxman Singh**, “**Electronics Devices, Circuits and Applications (EDCA – II)**”, GBS Publishers and Distributors, Ed. 2021 [https://www.ripublication.com/our\\_books.htm](https://www.ripublication.com/our_books.htm) (**Book**)
4. **Dr. Laxman Singh**, “**Practical Machine Learning with Python**”, GBS Publishers and Distributors. Ed. 1, 2021(**Book**)
5. **Dr. Laxman Singh**, “**Study of Different Transport Properties of MgZnO/ZnO and AlGaIn/GaN High Electron Mobility Transistors: A Review**” HEMT Technology and Applications, Springer, pp 53–69, Print ISBN: 978-981-19-2164-3 Online ISBN: 978-981-19-2165-0, 24 June 2022 [10.1007/978-981-19-2165-0\\_4](https://doi.org/10.1007/978-981-19-2165-0_4) (**Book Chapter**)
6. **Laxman Singh**, Preeti Arora, Yaduvir Singh, **Vinod M Kapse**, Sovers Singh Bisht, “**Computer Assisted Health Care Framework for Breast Cancer Detection in Digital Mammograms**” Healthcare and Knowledge Management for Society 5.0:

Trends, Issues, and Innovations, pp. 101-114, DOI: [10.1201/9781003168638-8](https://doi.org/10.1201/9781003168638-8) 2021  
(Book Chapter)

7. **Dr. Laxman Singh**, “**Multi-Modality Medical Image Fusion Using SWT & Speckle Noise Reduction with Bidirectional Exact Pattern Matching Algorithm**” Healthcare and Knowledge Management for Society 5.0: Trends, Issues, and Innovations, DOI: [10.1201/9781003154686-20](https://doi.org/10.1201/9781003154686-20) sept 2021 (Book Chapter)
8. **Dr. Laxman Singh**, “**Comparative Study of Machine Learning Techniques for Breast Cancer Diagnosis**” Healthcare and Knowledge Management for Society 5.0: Trends, Issues, and Innovations, DOI: [10.1201/9781003168638-11](https://doi.org/10.1201/9781003168638-11) 2021 (Book Chapter)
9. Yogesh Kumar Verma, **Laxman Singh**, Varun Mishra, Rohit Gurjar, Prateek Kishor Verma, Sudhnit Kaur, Akhil Sevda, Mrityunjay Kumar Jha, Santosh Kumar Gupta, “**Oxide thickness variation effects in MOS AlGa<sub>N</sub>/Ga<sub>N</sub> HFET**” Intelligent Circuits and Systems, Taylor & Francis, 2021, <https://doi.org/10.1201/9781003129103> (Book Chapter) 2021
10. **Dr. Laxman Singh**, “**Internet of Healthcare Things (IoHT) and Block Chain: An Efficient Integration for Smart Health Care Systems**” Healthcare and Knowledge Management for Society 5.0: Trends, Issues, and Innovations, DOI: [10.1201/9781003168638-10](https://doi.org/10.1201/9781003168638-10) (Book Chapter)
11. Preeti Arora, Saksham Gera, **Vinod M Kapse**, “**Novel Deep-Learning Approaches for Future Computing Applications and Services**”, Healthcare and Knowledge

Management for Society 5.0, CRC Press, pp. 271-288, eBook ISBN9781003168638  
<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003168638-19/novel-deep-learning-approaches-future-computing-applications-services-preeti-arora-saksham-gera-vinod-kapse> (**Book Chapter**).

12.Preeti Arora, Saksham Gera, Vinod M Kapse, “**A Visual Introduction to Machine Learning, AI Framework, and Architecture**”, Healthcare and Knowledge Management for Society 5.0, CRC Press, pp. 229-253, eBook ISBN9781003168638, <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003168638-17/visual-introduction-machine-learning-ai-framework-architecture-preeti-arora-saksham-gera-vinod-kapse> (**Book Chapter**).

13.Preeti Arora, **Laxman Singh**, Saksham Gera, **Vinod M Kapse**, “**Intelligent Systems for IoT and Services Computing**”, Disruptive Technologies for Society 5.0: Exploration of New Ideas, Techniques, and Tools, CRC Press, pp. 214-233, DOI: 10.1201/9781003154686-12 November 2021, (**Book Chapter**).

### **Academic Session (2022-2023)**

1. **Laxman Singh, Sover Singh Bisht, Pawan Shukla, Yaduvir Singh, Vinod M Kapse, Priyanka Chandani, “Cloud Computing and Its Applications to E-Learning”, Integration of Cloud Computing with Emerging Technologies, pp. 227-238, CRC Press, Taylor and Francis Group, 30 October 2023, <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003341437-20/cloud-computing-applications-learning-laxman-singh-sover-singh-bisht-pawan-shukla-yaduvir-singh-vinod-kapse-priyanka-chandani> (Book Chapter)**

### **Academic Session (2023-2024)**

1. **Md. Sazid, Dr. Niraj Agrawal, Ms. Sarabjeet Kaur, Dr. Pavan Kumar Shukla,** “**Ultra-Wideband Technology for Future 5G**”, Futuristic Trends in Network & Communication Technologies, IIP Series, Volume 3, Book 4, Part 5, Chapter 1, e-ISBN: 978-93-6252-892-6
2. Ramesh Kumar Verma, **Dheeraj Tripathi**, Dukhishyam Sabat, Maninder Singh & Akhilesh Kumar, “**Dual Band Open Slot and Notch Loaded Bandwidth Enhanced Microstrip Patch Antenna for IoT/WiMAX/WLAN Applications**”, Decision Intelligence Solutions, pp 1-9, Print ISBN: 978-981-99-5993-8 Online ISBN: 978-981-99-5994-5, 15 December 2023, [https://doi.org/10.1007/978-981-99-5994-5\\_1](https://doi.org/10.1007/978-981-99-5994-5_1)
3. Ahteshamul Haque, Akhtar Kalam, **Himanshu Sharma**, “**Smart Cities: Power Electronics, Renewable Energy and Internet of Things**”, CRC Press, Taylor & Francis, ISBN 9781032669786, Feb. 2024.
4. **Ms. Sarabjeet Kaur**, “**ULTRA-WIDEBAND TECHNOLOGY FOR FUTURE 5G**”, Futuristic Trends in Network & Communication Technologies Volume 3 Book 4, April 2024.