

Edited/Published Books

1. Agrawal, AP., Raj, G., Choudhary, A., **Pal, O.**, Pandey, HM. & Unhelker, B. (2024) 4th International Conference on Advances and Applications of Artificial Intelligence and Machine Learning (ICAAAIML 2023), 28th-29th December 2023, Sharda University, Gr Noida. Conference proceeding Publisher: Springer.
2. Kumar, N and **Rana, B.** (2024), "Artificial Intelligence and Deep Learning".
3. **Kumar N.**, Rajpal, A., Rajpal S., Arora M. (2023). *Information Practices With Python for Class 11*, Orange House Pvt Ltd. Link: <https://amzn.in/d/h5ZxOSd>
4. **Kumar N.**, Rajpal, A., Rajpal S., Arora M. (2023). *Information Practices With Python for Class 12*, Orange House Pvt Ltd. Link: <https://amzn.in/d/7y8Xdfq>
5. **Kumar N.**, Rajpal, A., Rajpal S., Arora M. (2023). *Computer Science with Python (Focus on Modularity & Documentation) for CBSE– Class 11*, Orange House Pvt Ltd. Link: <https://amzn.in/d/4Kxs7fU>
6. **Kumar N.**, Rajpal, A., Rajpal S., Arora M. (2023). *Computer Science with Python (Focus on Documentation) for CBSE– Class 11*, Orange House Pvt Ltd. Link: <https://amzn.in/d/9z9HZLt>
7. **Kumar N.**, Rajpal, A., Rajpal S., Arora M. (2023). *Computer Science with Python (Focus on Modularity & Documentation) for CBSE– Class 12*, Orange House Pvt Ltd. Link: <https://amzn.in/d/7a4kHuK>
8. **Pal, O.**, Kumar, V., Khan, R., Alam, B. & Alam, M. (2023) Book: *Cyber Security Using Modern Technologies*. published by CRC Press (Taylor & Francis Group), 1st Edition. ISBN: 9781032213194.
9. Taneja, S., **Kumar, N.** (2018). *Python Programming: A Modular Approach*, Pearson. Link: <https://www.amazon.in/Python-Programming-approach-Taneja-Sheetal-ebook/dp/B077ZTHXHN>
10. **Kumar, N.**, Goel, A., Banati, H., Saxena, R., Taneja, S., Malik, S. (2016). *Database Management Applications: Class XII Student Handbook (Information Technology Vocational Course)*, CBSE. Link: https://cbseacademic.nic.in/web_material/Curriculum21/publication/srsec/802-Information%20Technology%20Class-%20XII.pdf
11. **Kumar, N.** (1994). *Computer Science Concepts*, Galgotia.

Book Chapters

1. **Bedi, P.**, Thukral, A., & Dhiman, S. (2024). Explainable AI in Disease Diagnosis. In: Aluvalu, R., Mehta, M., Siarry, P. (Ed.) *Explainable AI in Health Informatics. Computational Intelligence Methods and Applications*, (pp.87-111). Springer, Singapore. https://doi.org/10.1007/978-981-97-3705-5_5
2. **Pal, O.**, Kumar, V., Thakur, V. & Alam B. Book Chapter: Quantum Computing: A Global Scenario. Book: *Cyber Security Using Modern Technologies*. published by CRC Press (Taylor & Francis Group) indexed in Scopus database. ISBN 9781032213194, August 2, 2023.

3. Gupta, K., Kumar, V. & **Pal, O.** Book Chapter: Effective Key Agreement Protocol for Large and Dynamic Groups Using Elliptic Curve Cryptography. *Book: Cyber Security Using Modern Technologies*. published by CRC Press (Taylor & Francis Group) indexed in Scopus database. ISBN 9781032213194, August 2, 2023.
4. Kumar, V., **Pal, O.**, Upadhyay, N., & Bhardwaj, M. Book Chapter: Computation and storage efficient key distribution protocol for secure multicast communication in centralized environments. *Book: Cyber Security Using Modern Technologies*. published by CRC Press (Taylor & Francis Group) indexed in Scopus database. ISBN 9781032213194, August 2, 2023.
5. Hamid, M., Alam, B., **Pal, O.** & Qamar, S. (2023). Investigating Classification with Quantum Computing. *In Book: Intelligent Data Analytics, IoT, and Blockchain*. Published by Auerbach Publications. ISBN 9781003371380. DOI: <https://doi.org/10.1201/9781003371380>.
6. Islam, R., & **Rana, B.** (2023). Machine learning approach for classification of stroke patients using clinical data. In *Computational Intelligence Aided Systems for Healthcare Domain* (pp. 119-138). CRC Press.
7. Sharma, N. K., Kumar, S., Rajpal, A., & **Kumar, N.** (2021, March). DWT and quantization based digital watermarking scheme using kernel OS-ELM. In *Virtual International Conference on Soft Computing, Optimization Theory and Applications* (pp. 313-328). Singapore: Springer Nature Singapore. DOI https://doi.org/10.1007/978-981-19-6406-0_25
8. **Bedi, P.**, Shivani, Gupta, N., Jagwani, P., & Bhasin V. (2021). Classification of genetic mutations using ontologies from clinical documents and deep learning. In Jain, S., Jain, V., and Balas, V. E. (Ed.), *Web Semantics Cutting Edge and Future Directions in Health Care*, (pp. 233-249). Academic Press. <https://doi.org/10.1016/B978-0-12-822468-7.00007-9>
9. **Bedi, P.**, Gole, P. & Agarwal, S. (2021). 18 Using deep learning for image-based plant disease detection. In J. Chatterjee, A. Kumar, P. Rathore & V. Jain (Ed.), *Internet of Things and Machine Learning in Agriculture: Technological Impacts and Challenges* (pp. 369-402). Berlin, Boston: De Gruyter. <https://doi.org/10.1515/9783110691276-018>
10. **Bedi, P.**, Gupta, N., & Jindal, V. (2020). Dark Web: A Boon or a Bane. In M. Khosrow-Pour D.B.A. (Ed.), *Encyclopedia of Criminal Activities and the Deep Web* (pp. 152-164). IGI Global. <https://doi.org/10.4018/978-1-5225-9715-5.ch010>
11. **Bedi, P.**, Bansal, R., & Sehgal, P. (2016). Securing Biometrics Using Watermarking. In I. Management Association (Ed.), *Human-Computer Interaction: Concepts, Methodologies, Tools, and Applications* (pp. 1016-1040). IGI Global. <https://doi.org/10.4018/978-1-4666-8789-9.ch048>
12. **Bedi, P.**, Gandotra, V., & Singhal, A. (2014). Innovative Strategies for Secure Software Development. In I. Management Association (Ed.), *Software Design and Development: Concepts, Methodologies, Tools, and Applications* (pp. 2099-2119). IGI Global. <https://doi.org/10.4018/978-1-4666-4301-7.ch097>
13. **Bedi, P.** & Agarwal, S. K. (2013). Aspect-Oriented Recommender Systems. In H. Singh & K. Kaur (Eds.), *Designing, Engineering, and Analyzing Reliable and Efficient Software* (pp. 55-72). IGI Global. <https://doi.org/10.4018/978-1-4666-2958-5.ch004>

14. **Bedi, P.,** and Pooja Vashisth (2013). Using Trust and Argumentation in Multi-Agent Recommender Systems. In Thampi, S., Bhargava, B., and Atrey, P. (Ed.), *Chapter 14 in Managing Trust in Cyberspace*, (pp. 315-338). CRC Press, Taylor & Francis Group. <https://doi.org/10.1201/b16318>
15. **Bedi, P.,** and Aakansha (2013). Trustworthy Group Coordination in Ad-hoc Networks. In Singh, H., Bhargava, B., and Atrey, P. (Ed.), *Chapter 6 in Managing Trust in Cyberspace*, (pp. 113-130). CRC Press, Taylor & Francis Group. <https://doi.org/10.1201/b16318>
16. **Bedi, P.,** Harmeet Kaur, and Bhavna Gupta (2013). A Multiagent Framework for Selection of Trustworthy Service Providers. In Thampi, S., Bhargava, B., and Atrey, P. (Ed.), *Chapter 15 in Managing Trust in Cyberspace*, (pp. 339-359). CRC Press, Taylor & Francis Group. <https://doi.org/10.1201/b16318>