The Librarian,

Veritas university Abuja.

Sir,

**Subject: List of Books for the Proposed PGD, MSc, and PhD Programmes,**

As our institution continues to expand its academic offerings, we recognize the paramount importance of equipping our library with the latest and most pertinent resources. To that end, I am writing to recommend a list of essential books that would support the new Post Graduate Diploma (PGD), MSc, and PhD programmes which are currently under resource verification by the national universities commission next week.

Additionally, these resources will enhance the credibility and appeal of the courses, especially for NUC team prospective students evaluating the robustness of our academic infrastructure.

Please find attached the list of books that we deem crucial for the upcoming resource verification. These books can be easily ordered from Amazon online stores.

Best regards,

Ag. Hod CIT

CC: Prof. Ichoku, Hyacinth

Vice-Chancellor, Veritas University Abuja.

**COMPUTER AND INFORMATION TECHNOLOGY DEPARTMENT**

**NUC RESOURCE VERIFICATION EXERCISE**

**LIST OF BOOKS FOR THE PROPOSED PGD, MSC AND PHD PROGRAMMES**

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| --- | --- | --- | --- | --- |
| **S/N** | **Book title** | **Author(s)** | **Pub. Date** | **Price**  **(USD)** |
|  | Writing for Computer Science 3rd ed. 2 | Justin Zobel | 2014 | 119.30 |
|  | Mastering Machine Learning Algorithms  Expert techniques for implementing popular machine learning algorithms, fine-tuning your models, and understanding how they work, 2nd Edition | Giuseppe Bonaccorso | 2020 | 136.27 |
|  | Wireless Networks and Communications | Samson Colon | 2019 | 140 |
|  | Managing Security Services in Heterogenous Networks Confidentiality, Integrity, Availability, Authentication, and Access Control | R.Thandeeswaran (Editor), Thinagaran Perumal (Editor), Kun Ma (Editor), N Jeyanthi (Editor) | 2020 | 80 |
|  | Machine Learning: A Complete Exploration of Highly Advanced Machine Learning Concepts, Best Practices and Techniques Paperback | Peter Bradley | 2019 | 15 |
|  | Unsupervised Feature Extraction Applied to Bioinformatics: A PCA Based and TD Based Approach (Unsupervised and Semi-Supervised Learning) 1st ed | Y-h. Taguchi | 2020 | 170 |
|  | Intelligent Computing, Information and Control Systems: ICICCS 2019 (Advances in Intelligent Systems and Computing, 1039) | Pasumpon Pandian (Editor), Klimis Ntalianis (Editor), Ram Palanisamy (Editor)  Springer | 2020 | 17 |
|  | Digital Image Processing: Image Enhancement with Feature Extraction Using DWT and Surface Roughness Prediction Using Neutral Network | Syed Jahangir Badashah | 2020 | 81 |
|  | Intelligent Control: A Hybrid Approach Based on Fuzzy Logic, Neural Networks and Genetic Algorithms (Studies in Computational Intelligence, 517) | Nazmul Siddique ( | 2013 | 154 |
|  | Linear Algebra and Optimization for Machine Learning | Charu C. Aggarwal | 2020 | 53 |
|  | Deep Learning in Computer Vision: Principles and Applications (Digital Imaging and Computer Vision) | Mahmoud Hassaballah (Editor), Ali Ismail Awad (Editor) | 2020 | 100 |
|  | Software Architecture in Practice (SEI Series in Software Engineering) | Len Bass (Author), Paul Clements (Author), Rick Kazman | 2020 | 48 |
|  | Cryptography (Springer Series) | Simon Rubinstein-Salzedo | 2018 | 28 |
|  | Security Engineering: A Guide to Building Dependable Distributed Systems 3rd Edition | Ross Anderson | 2020 | 52 |
|  | Enterprise Security Architecture: A Business-Driven Approach | Nicholas Sherwood (Author) | 2021 | 47 |
|  | Handbook of Software Engineering 1st ed. 2019 Edition | Sungdeok Cha (Editor), Richard N. Taylor (Editor), Kyochul Kang (Editor) | 2019 | 62 |
|  | Learn Robotics Programming: Build and control AI-enabled autonomous robots using the Raspberry Pi and Python, 2nd Edition 2nd ed. Edition | Lloyd Brombach | 2019 | 34 |
|  | Practical Robotics in C++: Build and Program Real Autonomous Robots Using Raspberry Pi (English Edition) | Lloyd Brombach | 2021 | 30 |
|  | Mastering ROS for Robotics Programming: Best practices and troubleshooting solutions when working with ROS, 3rd Edition | Lentin Joseph (Author), Jonathan Cacace | 2021 | 58 |
|  | Advanced Topics on Computer Vision, Control and Robotics in Mechatronics 1st ed. 2018 Edition | by Osslan Osiris Vergara Villegas (Editor), Manuel Nandayapa (Editor), Israel Soto (Editor | 2018 | 128 |
|  | Algebraic Curves in Cryptography (Discrete Mathematics and Its Applications) | San Ling (Author), Huaxiong Wang (Author), Chaoping Xing (Author) | 2019 | 15 |
|  | Simulated Annealing and Boltzmann Machines: A Stochastic Approach to Combinatorial Optimization and Neural Computing | Emile Aarts (Author), Jan Korst (Author) | 2009 | 453 |
|  | Integer Linear Programming in Computational and Systems Biology | David G. Luenberger (Author), Yinyu Ye (Author) | 2019 | 72 |
|  | Linear and Nonlinear Programming | David G. Luenberger (Author), Yinyu Ye (Author) | 2021 | 95 |
|  | Blockchain Security in Cloud Computing (EAI/Springer Innovations in Communication and Computing) 1st ed. 2022 Edition | K.M. Baalamurugan (Editor), S. Rakesh Kumar (Editor), Abhishek Kumar (Editor), Vishal Kumar (Editor), & 1 more | 2022 | 180 |
|  | Deep Learning (The MIT Press Essential Knowledge series) Illustrated Edition) | John D. Kelleher (Auth | 2019` | 12 |
|  | Cloud Computing: Cloud Concepts; Methodology, Network Architecture | Hemanand D (Author), Chembian W T (Author), Vallem Ranadheer Reddy (Author | 2021 | 90 |
|  | Database Design for Mere Mortals: 25th Anniversary Edition 4th Edition | Michael J Hernandez (Author) | 2020 | 43 |
|  | Transformers for Natural Language Processing: Build, train, and fine-tune deep neural network architectures for NLP with Python, Hugging Face, and OpenAI's GPT-3, ChatGPT, and GPT-4, 2nd Edition | Denis Rothman (Author), Antonio Gulli (Foreword) | 2022 | 33 |
|  | Quantum Computing for Computer Scientists Illustrated Edition | Noson S. Yanofsky (Author), Mirco A. Mannucci (Author) | 2008 | 82 |
|  | Smart Cities and Artificial Intelligence: Convergent Systems for Planning, Design, and Operations 1st Edition | Christopher Grant Kirwan (Author), Fu Zhiyong (Author) | 2020 | 88 |
|  | Artificial Intelligence and Games 1st ed. 2018 Edition | Georgios N. Yannakakis (Author), Julian Togelius (Author) | 2018 | 29 |
|  | Responsible Artificial Intelligence (Artificial Intelligence: Foundations, Theory, and Algorithms) | Dignum (Author) | 2019 | 100 |
|  | Scientific Computing: Vol. III - Approximation and Integration (Texts in Computational Science and Engineering, 20) | John A. Trangenstein (Author) | 2018 | 70 |
|  | An Introduction to the Analysis of Algorithms Illustrated 3 Edition | Soltys Michael (Author) | 2018 | 73 |
|  | Feature Engineering and Selection (Chapman & Hall/CRC Data Science Series) 1st Edition | Max Kuhn (Author), Kjell Johnson (Author) | 2021 | 47 |
|  | Generative Deep Learning: Teaching Machines to Paint, Write, Compose, and Play 1st Edition | David Foster (Author) | 2021 | 70 |
|  | Generative AI with Python and TensorFlow 2: Create images, text, and music with VAEs, GANs, LSTMs, Transformer models | by Joseph Babcock (Author), Raghav Bali (Author) | 2021 | 32 |
|  | Secure and Smart Internet of Things (IoT): Using Blockchain and AI 1st Edition | Ahmed Banafa (Author) | 2018 | 105 |
|  | Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux 1st Edition | Derek Molloy (Author) | 2016 | 22 |
|  | DIY Microcontroller Projects for Hobbyists: The ultimate project-based guide to building real-world embedded applications in C and C++ programming | Miguel Angel Garcia-Ruiz (Author), Pedro Cesar Santana Mancilla (Author) | 2021 | 42 |
|  | Make: Electronics: Learning by Discovery: A hands-on primer for the new electronics enthusiast 3rd Edition) | Charles Platt (Author | 2021 | 20 |
|  | Intelligence in IoT-enabled Smart Cities 1st Edition | Fadi Al-Turjman (Author | 2019 | 130 |
|  | Parallel Computing Architectures and APIs: IoT Big Data Stream Processing 1st Edition | Vivek Kale (Author) | 2019 | 141 |
|  | Advances on P2P, Parallel, Grid, Cloud and Internet Computing: Proceedings of the 15th International Conference on P2P, Parallel, Grid, Cloud and ... (Lecture Notes in Networks and Systems) 1st ed. 2021 Edition | Leonard Barolli (Editor), Makoto Takizawa (Editor), Tomoki Yoshihisa (Editor), Flora Amato (Editor), Makoto Ikeda (Editor) | 2020 | 330 |
|  | Cyber Security in Parallel and Distributed Computing: Concepts, Techniques, Applications and Case Studies 1st Edition | Raghvendra Kumar (Editor), Dac-Nhuong Le (Editor), Brojo Kishore Mishra (Editor), Jyotir Moy Chatterjee (Editor), & 1 more | 2019 | 204 |
|  | Cryptocurrencies and Blockchain Technology Applications 1st Edition | Gulshan Shrivastava (Author) | 2020 | 168 |
|  | 50+ Real World Applications of Blockchain: A beginner’s complete guide to Blockchain Fundamentals, Consensus Mechanisms, Smart Contracts, Web 3, ... Scaling Solutions, NFTs, Metaverse and more | Roohi Bansal (Author), Aman Gupta (Author) | 2021 | 18 |
|  | Mastering Blockchain: Inner workings of blockchain, from cryptography and decentralized identities, to DeFi, NFTs and Web3, 4th Edition 4th ed. Edition | Imran Bashir (Author) | 2023 | 50 |
|  | AI 2041: Ten Visions for Our Future | Kai-Fu Lee (Author), Chen Qiufan (Author) | 2021 | 22 |
|  | Ai Superpowers: China, Silicon Valley, and the New World Order | Kai-Fu Lee (Author) | 2021 | 15 |