

Data Science and Data Analytics Using Python

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Product Description

The book is a comprehensive guide that delves into the fundamentals of data science and analytics, leveraging the python programming language. It covers key topics such as data manipulation, visualization, statistical analysis, and machine learning. It includes practical examples and code snippets to help readers understand and implement various data science techniques. Designed for both beginners and experienced practitioners, it provides a thorough understanding of how to use python for effective data analysis. The book also emphasizes real-world applications making it a valuable resource for those looking to apply data science skills in various domains.

SALIENT FEATLURES OF BOOK:

1. The textbook encompasses an extensive array of data science topics, including data pre-processing, visualization, statistical analysis, machine learning, with a pronounced emphasis on practical applications using python programming.
2. It integrates case studies derived from real-world scenarios alongside numerous exercises, facilitating hands-on practical experience.
3. The text provides details procedural guidance for implementing data science projects and explores various data visualization techniques utilizing libraries such as Matplotlib, Seaborn, and plotly.
4. It thoroughly examines a diverse range of machine learning algorithms and offers an introductory overview of deep learning concepts and frameworks, including Tensor flow, and Keras.
5. The textbook incorporates expert tips, best practices, and focuses on high-demand skills, rendering it an invaluable resource for both novice and seasonal practitioners in the field of data science and analytics.

Table of Contents

Chapter 1: Introduction of Data Science. **Chapter 2:** Python Programming. **Chapter 3:** Numpy and Pandas Library. **Chapter 4:** Scikit Learn and Scipy Library. **Chapter 5:** Data Manipulation. **Chapter 6:** Modeling Techniques. **Chapter 7:** Data Visualization. **Chapter 8:** Data Visualization. **Chapter 9:** Pre Processing. **Chapter 10:** Statistics of Data Analytics. **Chapter 11:** Regression. **Chapter 12:** Classification.

Authors

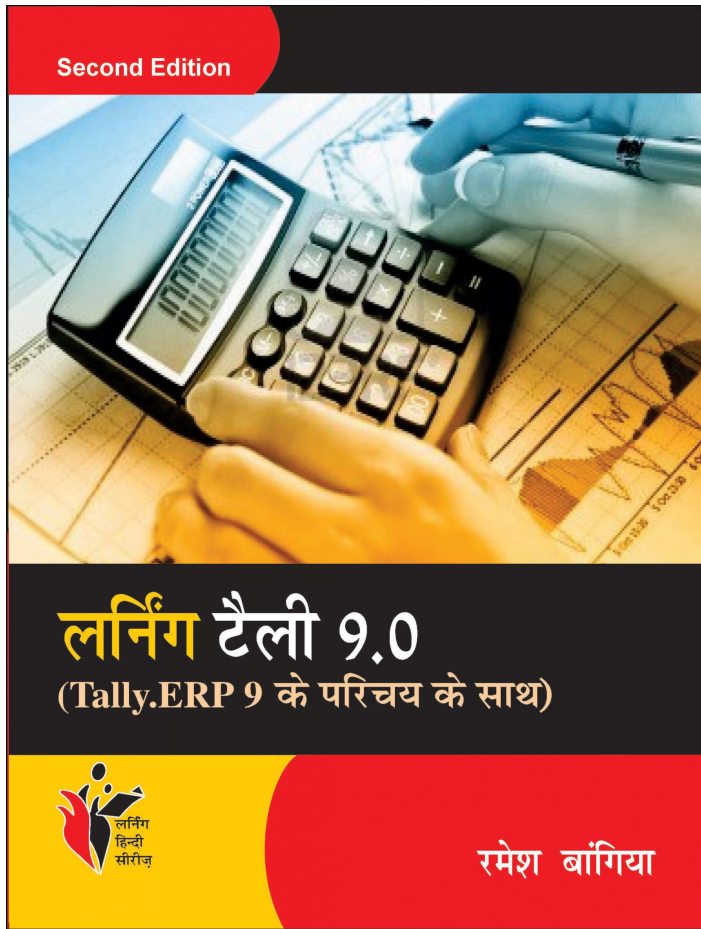
Munesh Chandra Trivedi Anil Kumar Dubey



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Learning Tally 9.0 (with Introduction to Tally.ERP 9)

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Product Description

The complete Learning Series has been designed in a very systematic and logical manner. Each topic has been developed from the basic concepts. Practically every major point in the text is illustrated with suitable examples and screen shots. This will help the students in understanding the basic theory and train them in solving every problem systematically, and confidently. A large number of unsolved as well as solved exercises have also been included in the book. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Functions has been explained in full and some of them have been explained in the form of examples. Tips for working faster using the keyboard shortcuts are also provided.



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Table of Contents

Chapter 1: Getting Started With Tally 9.0. **Chapter 2:** Payroll Accounting In Tally 9.0. **Chapter 3:** Multilingual Feature In Tally 9.0. **Chapter 4:** Value Added Tax(VAT) In Tally. **Chapter 5:** Service Tax, FBS & TDS in Tally. **Chapter 6:** Tally 9.0 Release 2.1 In Tally 9.0. **Chapter 7:** Tally 9.0 Release 2.14. **Chapter 8:** Go to Tally.ERP9. **Chapter 9:** Questions.

Author

Ramesh Bangia For the last fifteen years, Ramesh Bangia, has been writing computer books on various topics. He has written books for Schools. Training Institutes, Technical Universities, Distance Education Programs, Colleges and General. His tally of books exceeds 500 in number. Trained both in India and Abroad and having studied at IIT Delhi, he becomes automatic choice for most of the publishers in India. Though based in Delhi, his books are popular all over India and are even exported to Middle East and African countries.





Madhukar Waware | D. S. More
Abhay Wagh | Vijay Mohale

Power Electronics & Its Applications

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Product Description

Power electronics systems are used in a wide range of applications and have the potential to impact many areas of global industrial and social activity. From cell phones to pacemakers, and utilities to automobiles, power electronics, and the engineering behind those electronics are very influential in peoples' daily lives. A comprehensive self-contained text book covers principles of Power Electronics and its Applications. It provides a basic approach for the development of fundamental concepts and deep insight into the subject matter. This text book develops the subject matter in a simplified sequential manner. Theoretical explanation is supported by graded solved examples and multiple-choice questions, which have been framed to help the students in grasping the theoretical principles and their applicability with coverage of various topics. The book meets the requirements of undergraduate and postgraduate students of engineering and also guide for practicing engineer in the area of power electronics. It is also useful for those who are preparing for professional competitive examinations.



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Table of Contents

Chapter 1: Introduction to power Electronics. **Chapter 2:** Power Electronic Devices. **Chapter 3:** AC to DC Converters. **Chapter 4:** DC to DC Converter. **Chapter 5:** PWM Inverter. **Chapter 6:** Resonant Pulse Converter. **Chapter 7:** Power Quality. **Chapter 8:** High Power Factor Converters. **Chapter 9:** Multilevel Inverters. **Chapter 10:** Active Power Filter. **Appendix Bibliography Index**



Authors

Dr. Madhukar Waware He is received the bachelor degree in electrical engineering in 1999 and M.E. Control System in 2003 from WCE, Sangli. He completed Ph.D from Indian Institute of Technology, Roorkee, India in April 2012 with subject of Multilevel Inverter Based Active power Filter. He is Associated Professor in Walchand College of engineering Sangli, Maharashtra India. He has worked as deputy director E governance AICTE New Delhi for five years. His research areas are Multilevel inverter, Power Electronic converters, Power Electronic, and Power Quality.

Dr. S More He is received the Bachelor degree in electrical engineering in July 1986. After his graduation, he joined Advani Oerlikon Ltd Chinchwad Pune and worked as design engineer in high current rectifiers and DC drives. In May 1989 he joined Premier Automobiles Ltd. machine tool division Chinchwad Pune, where he was involved in design of DC drives for CNC machines. He joined Walchand college of Engineering Sangli as lecturer in electrical engineering in August 1990. He completed M.E. Electrical (control system) in 1997. He became Associate Professor in July 2005. He completed Ph.D from IIT Bombay Mumbai in 2010. His research areas are Power electronics and drives, PM machine, Renewable Engineering and smart Grid.

Dr. Abhay Wagh He is received the bachelor degree in electronics engineering and the master's degree in power electronics with gold medalist and PhD in electronics and instrumentation. He is working in the field of Technical Education from last 29 years in various capacity: as teaching faculty, trainer, administrator and policy maker. Experience of implementation several projects for Technical Education. Worked as Director, Maharashtra State Board of Technical Education, Mumbai Worked as Deputy Secretary to Government of Maharashtra in Higher & Technical Education Department, Mantralaya. Worked as a Joint Director, Dy. Director & Asst. Director(T) in Director of Technical Education, Maharashtra. Worked as State Project Advisor for the World Bank Assisted 'Technical Education Quality Improvement Programme' Phase II (TEQIP-II) for the State of Maharashtra. Worked for the prestigious 'Rashtriya Uchcharat Shiksha Abhiyan (RUSA)' of Ministry of Human Resource Development (MHRD), Government of India. Worked as State Nodal Officer for the Community College Project of MHRD, Government of India.

Vijay Mohale He is received the bachelor degree in electrical engineering in 2011 and the master's degree in electrical power system from Shivaji university Kolhapur India in 2013. He is Assistant Professor in Walchand College of engineering Sangli, Maharashtra India and currently working towards the doctoral degree with the power electronics and hydroelectric machines laboratory, Indian Institute of Technology Roorkee, India. His current area of interest include transients in power systems, electromagnetic compatibility, power system transportation and power electronics for renewable grid integration. He has filled seven Indian patents and two Australian patents. He is chartered engineer with life member of IE, CMSI and ISTE.





A Glance over Android with Kotlin

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Product Description

"A Glance over Android with Kotlin" covers all aspects of Android application development in an easy-to-understand approach with examples. Each topic has been developed from the basic concepts. This book focuses on all the necessary topics of Kotlin and Java also. It covers all the topics of Android development, for example: How to design user interface by using Views? How to persistently store data by using content providers? How to design mobile applications displaying pictures and menus by using Views? How to develop Android mobile application for sending messages and e-mail, how to work with location services and maps? How to run background services in the mobile application? How to develop applications supporting audio, video and camera of mobile device, etc? Use of Wi-Fi sensor and Bluetooth. NDK, NFC support and telephony service. All Android widgets and SQL Lite. With a complete overview of OOPs this book makes the readers familiar with Android development using Kotlin language. This book is a perfect choice for fresher and experienced Android developers who want to learn more about Android development with alternative JVM language.



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Table of Contents

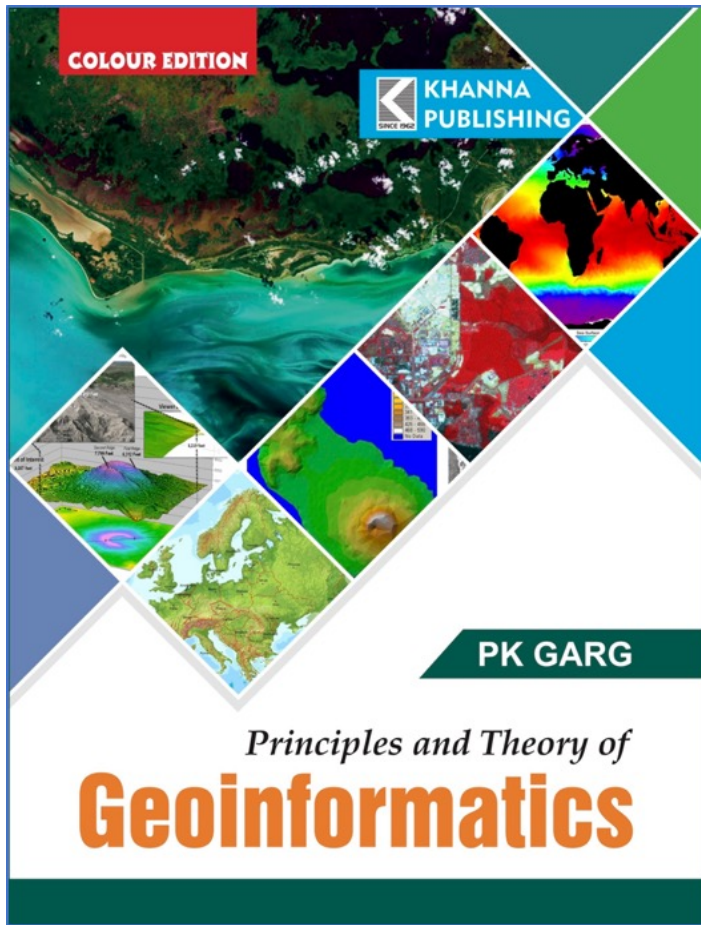
Chapter 1: Need of Mobile Apps. **Chapter 2:** Introduction to Android. **Chapter 3:** Deep in Android stack. **Chapter 4:** Java for Android. **Chapter 5:** Installing the Android SDK and running on Eclipse. **Chapter 6:** Eclipse vs Android Studio. **Chapter 7:** Android Devices. **Chapter 8:** Android Studio. **Chapter 9:** Kotlin for Android. **Chapter 10:** Add Kotlin plug-in Android Studio. **Chapter 11:** Ingredients of Android Application. **Chapter 12:** Android Component. **Chapter 13:** User Interface and Navigation. **Chapter 14:** Notification. **Chapter 15:** View-Android Widget. **Chapter 16:** Core Topics. **Chapter 17:** Thread. **Chapter 18:** Drawing 2D and 3D Graphics. **Chapter 19:** Android Widgets. **Chapter 20:** Location Based Services and Google Maps. **Chapter 21:** Telephony Service. **Chapter 22:** Text to Speech. **Chapter 23:** Storage Recognition. **Chapter 24:** Android Native Development Kit. **Chapter 25:** Ads. **Chapter 26:** Up to the minute.

Author

Swati Saxena

Swati Saxena, MCA, OCJP (Oracle Certified java Professional) and ADST. She is author of many computer book. Her name is well known in computer education as she is expert in java programming and coding and having in-depth knowledge of subject and very vast experience in developing and training. Her knowledge and teaching is always praised country- wide. The alumnus of her, are well placed in reputed organization all over India.





Principles and Theory of Geoinformatics

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Product Description

Geoinformatics combines photogrammetry and remote sensing, image processing as well as other digital spatial data collection methods like GPS, field measurements, digitizing and scanning of maps, spatial data analysis algorithms and geographical data management, and visualization. It is one of the important tools that can help us to map and monitor the changes in the environment and on Earth, Geoinformatics, being multi-disciplinary in nature, is a fast growing area to solve real world problems by bringing together technologies and tools required for acquisition, exploration, visualization, analysis and integration of various spatial data. The main key feature of this book is that it concisely covers all the major topics of geoinformatics; Photogrammetry, Remote Sensing, GPS and GIS, so that UG & PG students and researchers can understand the theory of land data collection & mapping, and subsequently the analysis from these maps. The structure and character of spatial and non-spatial datasets are also described. The book covers basic geoinformatics tools and techniques which encompass a wide range of equipment, images and software, such as laser based devices, LiDAR, UAV/Drone, Aerial and terrestrial photographs, optical, Thermal, microwave and hyperspectral images, GPS, and GIS. The utility and application areas of these data collection techniques are presented in a simple language. This book will be extremely useful to students to understand the principles and theory of Geoinformatics that are crucial for several applications on the Earth surface.

Table of Contents

CHAPTER 1: GEOINFORMATICS. CHAPTER 2: PHOTOGRAMMETRY. CHAPTER 3: REMOTE SENSING. CHAPTER 4: GLOBAL POSITIONING SYSTEMS. CHAPTER 5: GEOGRAPHIC INFORMATION SYSTEMS.

Author

P.K. Garg

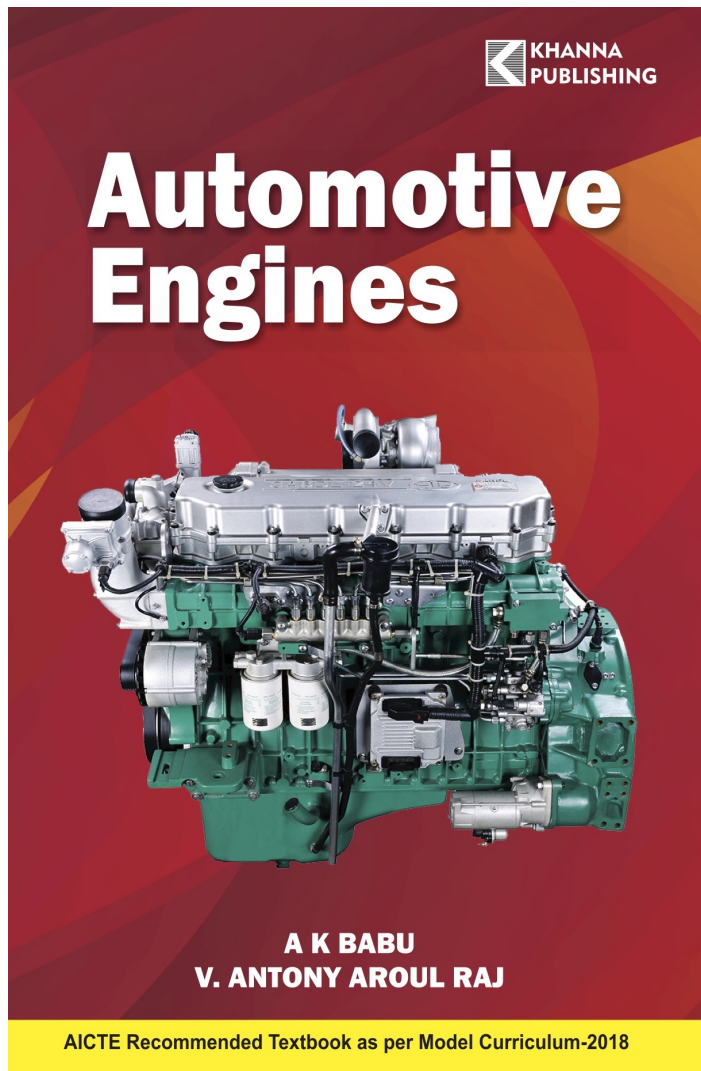
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Automotive Engines

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Product Description

This book is designed to meet the requirements of the students of Mechanical Engineering and Automobile Engineering. It is based on the latest syllabi prescribed by different Technical Colleges and Universities in India. Each chapter is describes in simple, non-technical language and explains by clear illustrations that how engine parts and systems are constructed, how the part works, and what is required to maximize performance in terms of power, speed, economy and safety. The important short and long review questions which the are included at the end of each chapter are taken from previous semesters question papers of various Technical colleges and Universities. This book is intended to be used as a Text and for Reference by colleges and technical universities offering subjects like Automotive Engines and Internal Combustion Engines.



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Table of Contents

Chapter 1: Engines. **Chapter 2:** Fuel Systems. **Chapter 3:** Combustion in Engines. **Chapter 4:** Turbocharging and Supercharging. **Chapter 5:** Engine Testing. **Chapter 6:** Cooling and Lubrication. **Chapter 7:** Emission and Control.
Review Question

Authors

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