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# ENGINEERING MATHEMATICS

Srimanta Pal ■ Subodh C. Bhunia



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## **Srimanta Pal:**

*Green Industrial Applications of Artificial Intelligence and Internet of Things* Biswadip Basu Mallik, Gunjan Mukherjee, Rahul Kar, Ashok Kumar Shaw, Anandarup Mukherjee, 2024-07-22 This book explores the intersection of the Internet of Things IoT and Artificial Intelligence AI in sustaining a green environment sustainable societies and thriving industries. It offers a comprehensive exploration of how these technologies intersect and transform various sectors to enhance environmental conservation societal well being and industrial progress. The book features a diverse array of case studies methodologies and notes on technological advancements. Readers will gain valuable insights into the impact of AI and IoT on sustainable initiatives through real world examples research findings and discussions on future directions. Key themes AI in complex and versatile scenarios Chapters 1 and 4 explore AI applications in combatant identification and COVID 19 monitoring IoT for efficiency and data driven decision making Chapters 2 3 and 7 focus on IoT implementations in battery monitoring for electric vehicles healthcare systems and precision farming AI for diagnostics and computer vision Chapters 5 9 and 13 highlight AI driven solutions for plant disease detection fetal spine disorder detection and defect detection. Industry applications Chapters 6 8 10 11 12 14 15 16 and 17 cover AI and IoT in healthcare transportation supply chain management endangered species protection crop management and pollution detection showcasing their transformative potential across various domains. This book is ideal for readers with multidisciplinary backgrounds including researchers academics professionals and students interested in IoT AI environmental sustainability healthcare agriculture smart technologies and industrial innovation

**Decision** ,1994 **Advances in Pattern Recognition ICAPR2003** ,2003 **Handbook of**

**Research on Inventive Digital Tools for Collection Management and Development in Modern Libraries** Thanuskodi, S., 2015-07-17 The quality of library collections depends heavily on the initial assessment requirements. An accurate assessment assists with meeting the goals and missions of the library but the introduction of digital media and resources is accompanied with new challenges in measuring the effective use of the library's collection. The Handbook of Research on Inventive Digital Tools for Collection Management and Development in Modern Libraries details how libraries strive to bridge traditional collections with their new digital counterparts. Providing real world examples and analysis of the modern library this publication is a timely reference source for professionals and researchers in the fields of library and information science as well as executives interested in information and organizational development

**Sequences in Language and Text** George K. Mikros, Ján Macutek, 2015-04-24 The edited volume Sequences in Language and Text is the first collection of original research in the area of the quantitative analysis of sequentially organized linguistic data. Linguistic sequences are extremely useful textual structures in almost all areas of Language Technology. Character and word n grams are by far the most successful features in text classification tasks such as authorship identification text categorization genre classification sentiment analysis etc. Furthermore character linguistic sequences are the basis for linguistic modeling and subsequent

applications such as speech recognition language identification etc In addition to the above language technology oriented research the present volume aims to give insight to the theoretical value of linguistic sequences Sequences in texts can be produced by a number of different factors either external to the linguistic system or by its own grammatical structure This volume hosts contributions which will analyze linguistic sequences using quantitative methods under the synergetic theoretical framework that can explain their role in the linguistic system    Artificial Neural Networks ,2003    **All India Reporter** ,1917    **Mathematical Reviews** ,2006    **Handbook of Universities** Ashish Kumar,2006 The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities Deemed Universities Colleges Private Universities And Prominent Educational Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of National Importance That Impart General Technical And Professional Education In India Although Another Directory Of Similar Nature Is Available In The Market The Distinct Feature Of The Present Handbook That Makes It One Of Its Kind Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country In This Handbook The Universities Have Been Listed In An Alphabetical Order This Facilitates Easy Location Of Their Names In Addition To The Brief History Of These Universities The Present Handbook Provides The Names Of Their Vice Chancellor Professors And Readers As Well As Their Faculties And Departments It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University It Is Hoped That The Handbook In Its Present Form Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement In Addition It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable    *People of India* Kumar Suresh Singh,1992 Ethnological study    *Journal of the Indian Medical Association* ,2000    *Proceedings of the Sixth International Conference on Advances in Pattern Recognition* Pinakpani Pal,2007 Contains a series of ICAPR proceedings on the advances of different facets of pattern recognition This work tackles open problems in the classic fields of image and video processing document analysis and multimedia object retrieval as well as more advanced topics in biometrics speech and signal analysis    Geospatial Image Stream Processing Carlos Alberto Rueda-Velásquez,2007    **Pure and Applied Mathematika Sciences** ,1990    Current Index to Statistics, Applications, Methods and Theory ,1994 The Current Index to Statistics CIS is a bibliographic index of publications in statistics probability and related fields    *Indian Journal of Radio & Space Physics* ,2006    *Systems Programming* Srimanta Pal,2011 The book is divided into five parts The first chapters explore the scope of the subject and the first part of the book deals with the systems programming backgrounds providing an overview of system software It then delves into machine structures and library structures The second part of the book deals with low level translators describing in detail topics such machine and mnemonic languages assembly languages macro languages macro programming assemblers linkers loaders and object code translators The third and fourth parts of

the book deal with compilers and operating systems respectively The last part of this book deals with different system development tools Components such as editors and debuggers are discussed in detail in this section along with a chapter on system administration Programming examples and algorithms have been included in the chapters wherever applicable Conceptual and analytical chapter end exercises have been included which judges the students understanding of the concepts learnt in the chapter Appendices at the end of the book comprise important instruction sets and conversion tables for ready reference

*The Calcutta Gazette* ,1912    **Universities Handbook** ,2004    **The Engineering Index Annual** ,1992 Since its creation in 1884 Engineering Index has covered virtually every major engineering innovation from around the world It serves as the historical record of virtually every major engineering innovation of the 20th century Recent content is a vital resource for current awareness new production information technological forecasting and competitive intelligence The world s most comprehensive interdisciplinary engineering database Engineering Index contains over 10 7 million records Each year over 500 000 new abstracts are added from over 5 000 scholarly journals trade magazines and conference proceedings Coverage spans over 175 engineering disciplines from over 80 countries Updated weekly

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