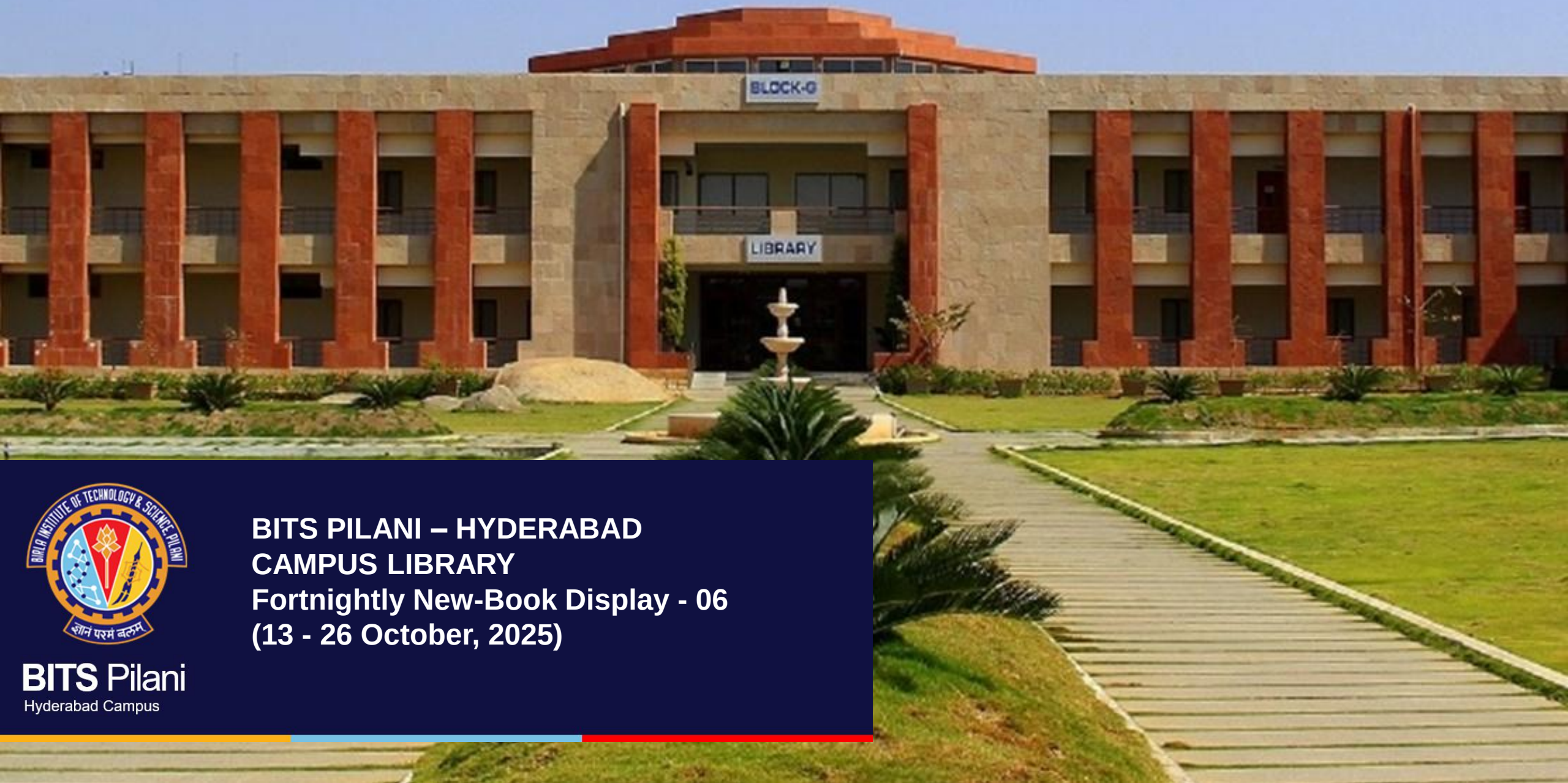




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BITS Pilani
Hyderabad Campus

Chapman & Hall/CRC
Data Mining and Knowledge Discovery Series

DATA CLASSIFICATION

Algorithms and Applications

Edited by
Charu C. Aggarwal

 **CRC Press**
Taylor & Francis Group
A CHAPMAN & HALL BOOK



Acc. No : 49875

Call No : 005.741 AGG-C

Comprehensive Coverage of the Entire Area of Classification. Research on the problem of classification tends to be fragmented across such areas as pattern recognition, databases, data mining, and machine learning. Addressing the work of these different communities in a unified manner, Data Classification: Algorithms and Applications explores the underlying algorithms of classification as well as applications of classification in various problem domains, including text, multimedia, social networks, and biological data. This comprehensive book focuses on three primary aspects of data classification. The book first describes common techniques used for classification, including probabilistic methods, decision trees, rule-based methods, instance-based methods, support vector machine methods, and...



Acc. No : 49905

Call No : 006.6 ADC-B

Compressive Imaging

Structure, Sampling, Learning

BEN ADCOCK
ANDERS C. HANSEN

Accurate, robust, and fast image reconstruction is a critical task in many scientific, industrial, and medical applications. Over the last decade, image reconstruction has been revolutionized by the rise of compressive imaging. It has fundamentally changed the way modern image reconstruction is performed. This in-depth treatment of the subject commences with a practical introduction to compressive imaging, supplemented with examples and downloadable code, intended for readers without an extensive background in the subject. Next, it introduces core topics in compressive imaging, including compressed sensing, wavelets, and optimization in a concise yet rigorous way, before providing a detailed treatment of the mathematics of compressive imaging. The final part is devoted to...



Live Your

BEST CHAPTER

Embrace Achievement and Fulfillment



NAPOLEON HILL



Acc. No : 49405

Call No : 158.1 HIK-N

A life of wealth enjoyed by a mind at peace comes most often to people who maintain a positive mental attitude! Embark on an empowering journey with Napoleon Hill's *Live Your Best Chapter: Embrace Achievement and Fulfilment*. Unveil the transformative power of a basic mental attitude fostering both wealth and peace. Learn the profound truth that living the life the Creator gave you rests solely in your hands and explore the invigorating forces of enthusiasm, cooperation, and the art of inspiring teamwork. Through this book, you can reimagine your life and empower it to achieve true fulfilment and greatness. A roadmap to crafting your most fulfilling life chapter, filled with purpose and joy. Discover practical steps and tools for living your happiest and most purposeful life...



LEAD From The HEART

REVISED & UPDATED



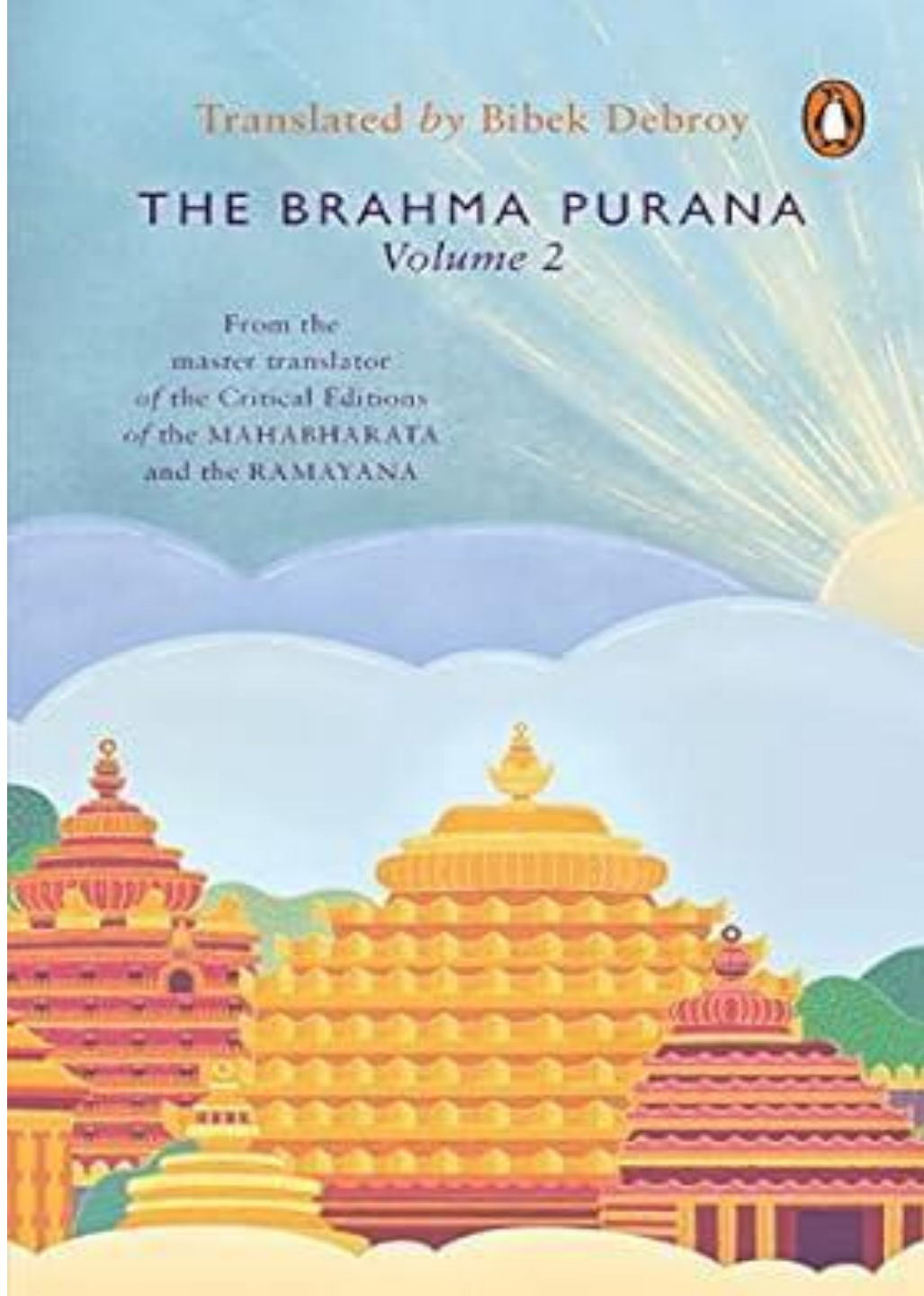
Transformational Leadership
For The 21st Century

MARK C. CROWLEY

Acc. No : 47916

Call No : 158.4 CRO-M

Leadership and engagement expert Mark C. Crowley shows how trading in the old business playbook for heart-led leadership strategies will create purpose-driven, dedicated employees and higher levels of performance. Revised and updated to address the needs of those managing Gen Z and millennial employees in addition to the latest global research on employee engagement. In this thoroughly revised and updated edition of his now classic book, visionary Mark C. Crowley provides the roadmap that workplace leaders the world over are seeking, on how to most successfully and sustainably inspire and manage other human beings in the post-pandemic era. Nearly 50 million workers quit their jobs in the U.S. alone in 2021, a record number likely to be exceeded in 2022. While we might imagine...



Acc. No : 49307

Call No : 294.5 DEB-V

The Brahma Purana is the first of a series of eighteen texts known collectively as the Puranas. These are counted amongst the foundational texts of Hinduism. The holy trinity of Brahma as the creator, Vishnu as the preserver, and Shiva as the destroyer constitutes the central deities of this series and features in its narratives. Sometimes referred to as Adi Purana, Brahma Purana oscillates between being a work of geography with a focus on the holy sites of the River Godavari and being an encyclopaedic work of cosmology, genealogy, and mythology. Reading almost like a travel guide, it celebrates temples and sites related to Vishnu, Shiva, and Devi as it focuses on places like modern-day Odisha and Rajasthan. Brimming with insight and told with clarity, this luminous text is a...

TENTH ANNIVERSARY EDITION
NEW PREFACE AND NEW GUIDED MEDITATIONS

#1 NEW YORK TIMES BESTSELLER

10% HAPPIER



HOW I TAMED
THE VOICE IN MY HEAD,
REDUCED STRESS
WITHOUT LOSING MY EDGE,
AND FOUND SELF-HELP
THAT ACTUALLY WORKS—
A TRUE STORY

DAN HARRIS

"I loved it!" RUBY WAX



Acc. No : 49239

Call No : 305.261 HAR-D

As heard on the Tim Ferriss Show podcast, New York Times bestseller and winner of the 2014 Inspirational Memoir category at the Living Now book awards. 10% HAPPIER is a spiritual book written for and by someone who would otherwise never read a spiritual book. This fifth anniversary edition features a new preface and new guided meditations from his favourite teachers, including Joseph Goldstein and Sharon Salzberg. After having a nationally televised panic attack, Harris knew he had to make some changes. A lifelong non-believer, he found himself on a bizarre adventure and realised that the sources of his problems was the very thing he always thought was his greatest asset: the incessant, insatiable voice in his head, which had propelled him through the ranks of a hyper-competitive business, but...

INVESTING DECODED

Simple path
to Building
A PORTFOLIO
IN MILLIONS



ANIRUDH RATHORE



Acc. No : 49304

Call No : 332.6 RAT-A

Anirudh Rathore believes the stock market is for everyone, you don't need a degree in finance to be able to invest and grow your money. Led by this tenet, he distils his learnings in Investment Decoded, based on classic treatises on value investing and years of experience from growing his portfolio. This is the definitive beginner's guide to acquiring the tools and mindset required to start securing your financial future. The evaluation tools, art of investing chapters are written in a detailed and practical way. Topics like stocks, interest rate, taxation, mutual fund and PMS, cryptocurrency, inflation, p/f Ratio, Free Cash Flow, Margins, Compounding, etc, are well elaborated. All the information in the form of bar charts and graphs is praiseworthy. Also, the history of investors, a...



THE TRUTH ABOUT ENERGY

Our Fossil-Fuel
Addiction and the Transition
to Renewables

JOHN K. WHITE

Acc. No : 49936

Call No : 333.7909 WHI-J

The transition to renewable energy is vital and fast-paced, but how do we choose which technologies to drive this energy transition? This timely book provides everyone interested in the renewable energy transition with an introduction to and technical foundation for understanding modern energy technology. It traces everyday power generation through history, from the Industrial Revolution to today. It examines the use of wood, coal, oil, natural gas, hydro, and nuclear to produce energy, before discussing renewable energy sources such as biomass, photovoltaics, concentrated solar power, wind, wave, and geothermal. The book examines to what extent and how each technology can contribute to a clean, green infrastructure. The Truth About Energy explains the science and engineering of...

The Science of Global Warming Remediation



Mark Harris

Acc. No : 49596

Call No : 363.706 HAR-M

The Science of Global Warming Remediation examines the workings of a complex chemical system using concepts such as chemical kinetics, thermodynamics, and oxidation/reduction. It focuses on preventing environmental deterioration as well as using environmental chemistry for environmental clean-up or remediation. Further, it describes how to utilize mechanical, chemical, and biological methods to detoxify contaminated land or water. The book also considers how environmental legislation aims to modify human behaviour to reduce or eliminate the environmental threats identified through science. Presents multiple methods for water treatment. Explains the physiological dangers of exposure to various toxic materials. Illustrates the mechanisms of major...



Imperial Rome, Indian Ocean Regions and Muziris

New Perspectives on Maritime Trade

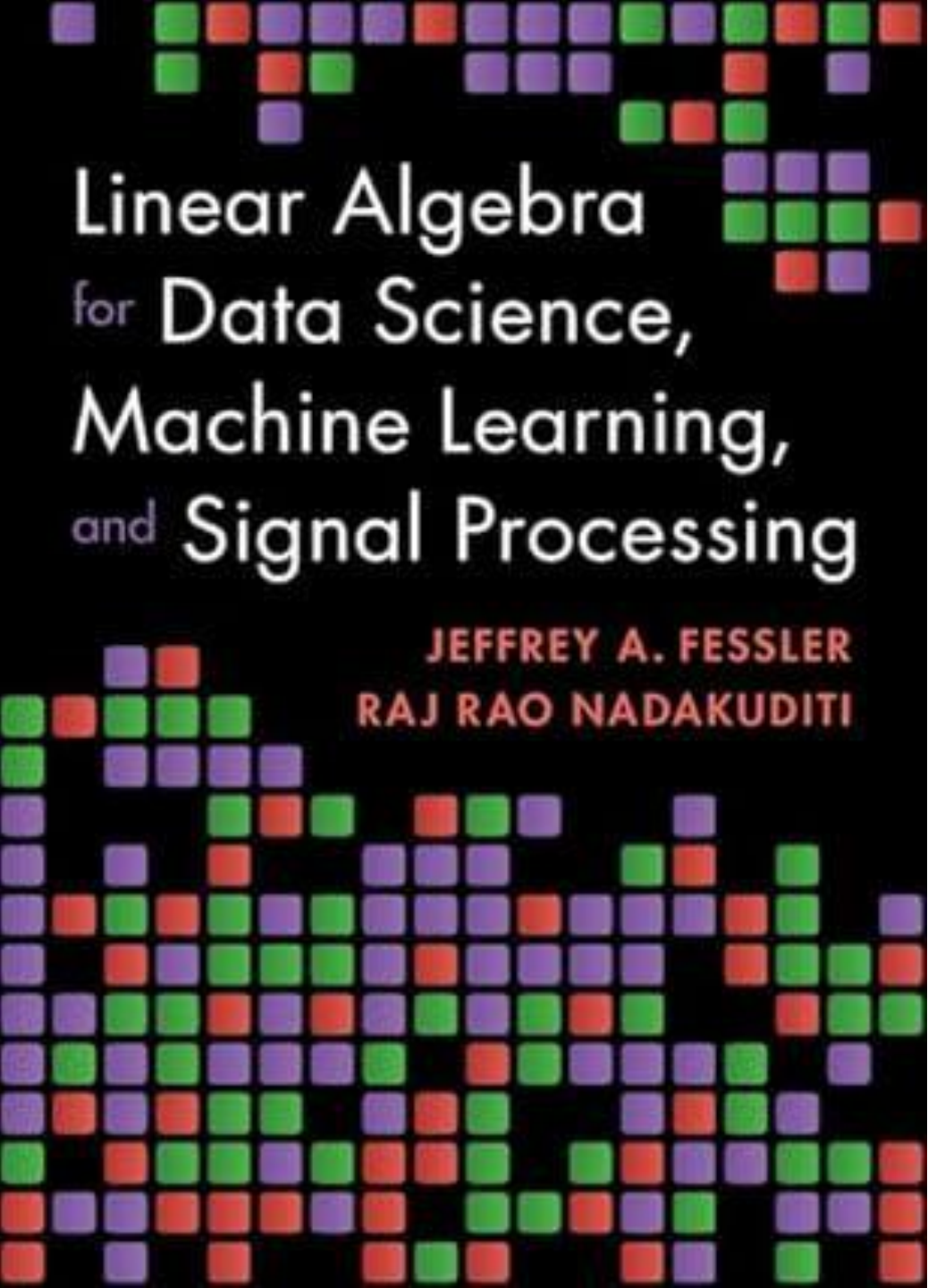
Edited by
K.S. Mathew



Acc. No : 49855

Call No : 382.0937 MAT-K

The battle of Actium, waged in 31 BC, and the annexation of Egypt in 30 BC to the Roman Empire opened up avenues for increased commercial contact between the Roman Empire, South Asia in general, and India in particular, and the port of Muziris was the premier trading post of India. In this volume, eminent international scholars from the USA, Switzerland, the United Kingdom, France, Italy, as well as India, provide a detailed analysis of maritime trade in the Indian Ocean region in the early historic period. Findings deliberated in an international seminar organized in September 2013 by the Institute for Research in Social Sciences and Humanities in collaboration with the Archaeological Survey of India. The fact that Romans used to come to India for trade fleeing from the poverty they...



Linear Algebra for Data Science, Machine Learning, and Signal Processing

JEFFREY A. FESSLER
RAJ RAO NADAKUDITI



Acc. No : 49923

Call No : 512.5 FES-J

Maximise student engagement and understanding of matrix methods in data-driven applications with this modern teaching package. Students are introduced to matrices in two preliminary chapters, before progressing to advanced topics such as the nuclear norm, proximal operators, and convex optimization. Highlighted applications include low-rank approximation, matrix completion, subspace learning, logistic regression for binary classification, robust PCA, dimensionality reduction, and Procrustes problems. Extensively classroom-tested, the book includes over 200 multiple-choice questions suitable for in-class interactive learning or quizzes, as well as homework exercises with solutions available for instructors. It encourages active learning with engaging explore...



GAME THEORY

A MODELING APPROACH



RICHARD ALAN GILLMAN
DAVID HOUSMAN

 CRC Press
Taylor & Francis Group
A CHAPMAN & HALL BOOK

Acc. No : 49624

Call No : 519.3 GIL-R

Game Theory, A Modelling Approach quickly moves readers through the fundamental ideas of the subject to enable them to engage in creative modelling projects based on game-theoretic concepts. The authors match conclusions to real-world scenarios and applications. The text engages students in active learning, group work, in-class discussions, and interactive simulations. Each chapter provides foundation pieces or adds more features to help readers build game-theoretic models. The chapters include definitions, concepts, and illustrative examples. The text will engage and challenge both undergraduate and graduate students. Enables readers to apply game theory to real-world scenarios. Chapters can be used for core course materials or independent studies. Exercises, included at the end of...



A Student's Guide to the Ising Model

JAMES S. WALKER



Acc. No : 49899

Call No : 530.13 WAL-J

The Ising model provides a detailed mathematical description of ferromagnetism and is widely used in statistical physics and condensed matter physics. In this Student's Guide, the author demystifies the mathematical framework of the Ising model and provides students with a clear understanding of both its physical significance and how to apply it successfully in their calculations. Key topics related to the Ising model are covered, including exact solutions of both finite and infinite systems, series expansions about high and low temperatures, mean-field approximation methods, and renormalization-group calculations. The book also incorporates plots, figures, and tables to highlight the significance of the results. Designed as a supplementary resource for undergraduate and graduate students...

Geochemical and Biogeochemical Reaction Modeling

Craig M. Bethke

Third Edition



Acc. No : 49917

Call No : 551.9 BET-C

An indispensable primer and reference textbook, the third edition of *Geochemical and Biogeochemical Reaction Modeling* carries the reader from the field's origins and theoretical underpinnings through to a collection of fully worked examples. A clear exposition of the underlying equations and calculation techniques is balanced by real-world example calculations. The book depicts geochemical reaction modeling as a vibrant field of study applicable to a wide spectrum of issues of scientific, practical, and societal concern. The new edition offers a thorough description of surface complexation modeling, including two- and three-layer methods; broader treatment of kinetic rate laws; the effect of stagnant zones on transport; and techniques for determining gas partial pressures. This handbook...



Biomedical Research, Medicine, and Disease



EDITED BY
R.C. Sobti
Aastha Sobti



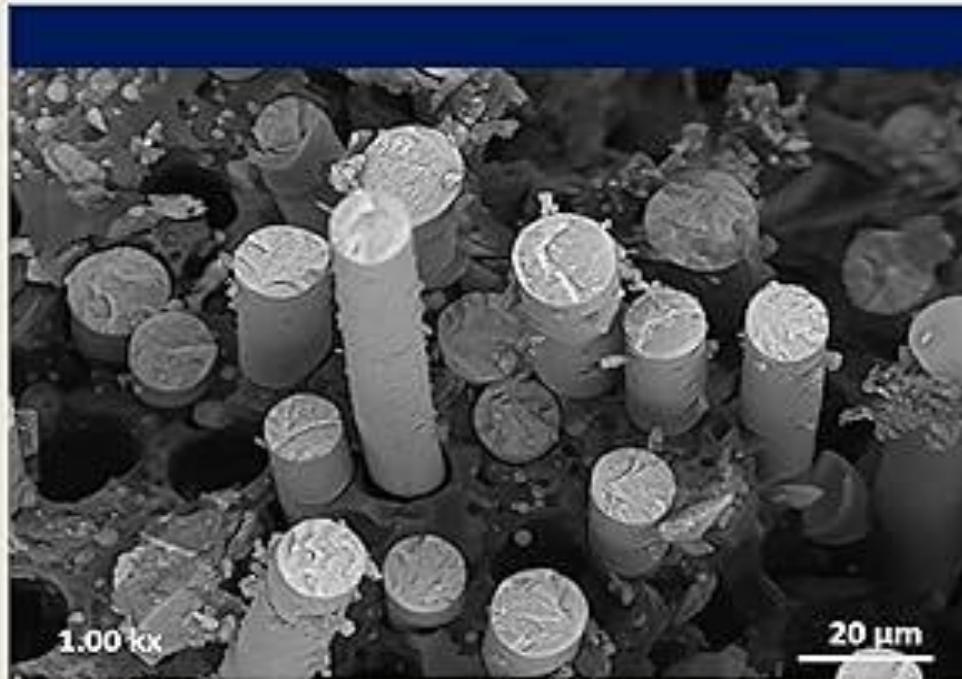
Acc. No : 49676

Call No : 610.724 SOB-R

Biomedical research is the first step towards the creation of new medications and treatments that help to manage different types of health conditions and diseases. The prevention and cure of diseases would be practically impossible without such type of research. Although the drug discovery and development processes are far too costly, time-consuming, prone to failure, and have low success rate, today the term translational research or medicine seems to have become trendy, yet it is insufficient. The present book is a sincere attempt by dedicated researchers to convey the importance of translational biomedical research, medicine, and disease, primarily, basic and clinical difficulties in the translation of diagnostic measures, pharmaceutical advances, biomarkers, diagnostics, and...

Polymer Concretes

Advanced Construction Materials



Mostafa Hassani Niaki and
Morteza Ghorbanzadeh Ahangari



Acc. No : 49597

Call No : 620.136 NIA-M

Polymer Concretes: Advanced Construction Materials provides a comprehensive study on polymer concrete, discussing historical perspectives of its use, the classification and applications of PC, and the advantages and disadvantages of its use. Materials such as resin, aggregates, micro fillers, fibers, and nanofillers are systematically summarized, as well as their effects on PC. Also examined are the properties, fabrication methods, and the standards for testing the material properties, as well as the future outlook for PC applications. This book investigates the various properties of PC. Covers the physical, mechanical, thermal, chemical, electrical, and environmental properties of PC. Examines fabrication methods, standards for testing, and the future outlook for...



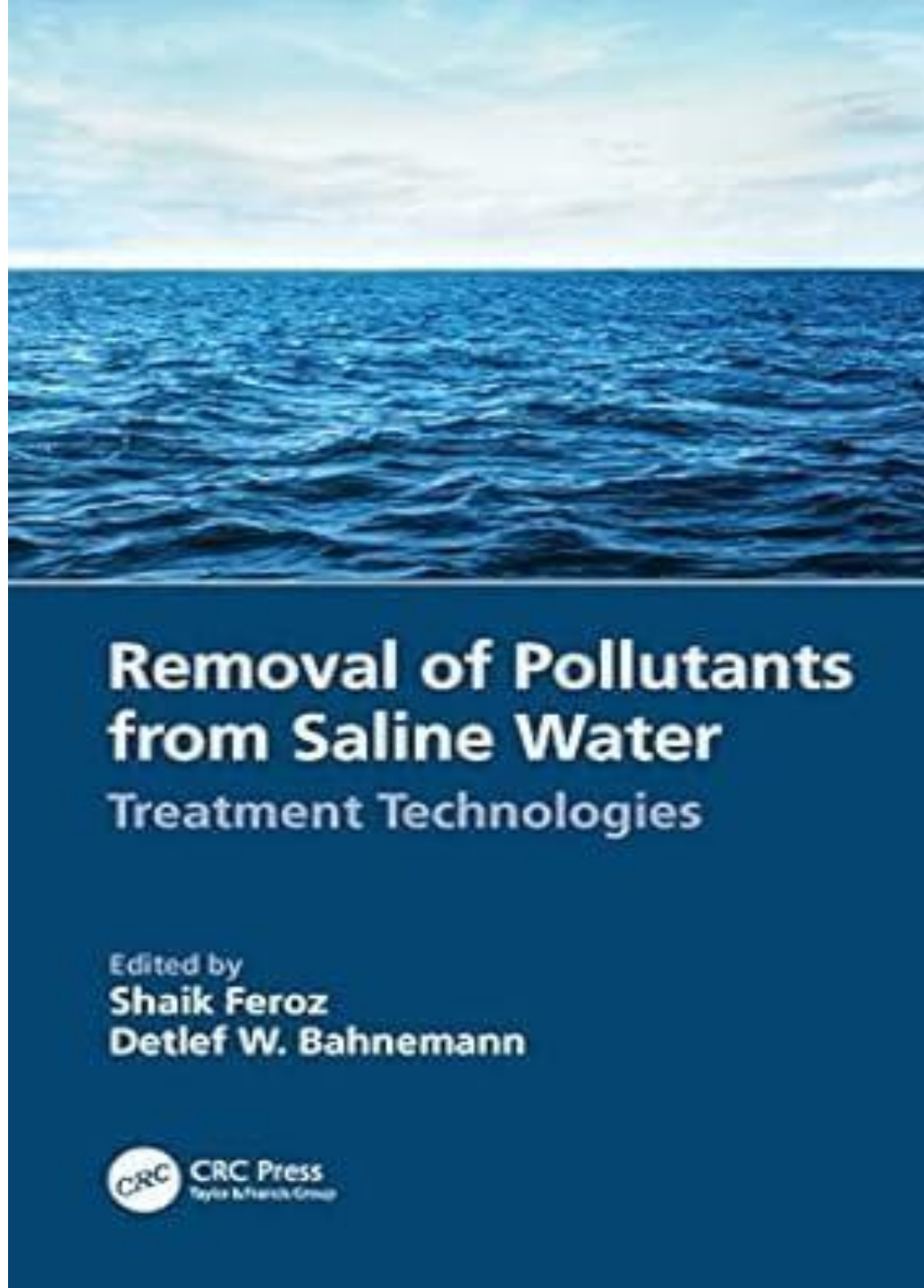
Mine Waste Utilization

Ram Chandar Karra
Gayana B C
Shubhananda Rao P



Acc. No : 49582
Call No : 622 KAR-R

This book is a comprehensive work on the utilization of overburden waste, ash, tailings, and other processed waste produced by the mining industry. It details various laboratory tests to identify the suitability of mine waste. It explains varied usage of different types of mine waste as in concrete pavements, bricks, and to enhance the fertile characteristics of waste lands. Various physico-mechanical properties of mine waste material and their optimum percentage for replacement with sand and coarse aggregate, along with additives for optimum strength of concrete bricks, are discussed. Covers the technical approach in terms of testing and characterizing mine waste. Focuses on the effective use of mining waste to make sustainable and eco-friendly mining. Presents an analysis of the physical properties of iron...



Acc. No : 49591

Call No : 628.162 FER-S

Removal of Pollutants from Saline Water: Treatment Technologies provides a comprehensive understanding of technologies that are currently adopted in the treatment of pollutants present in saline water systems. It provides information on the treatment technologies for saline water systems, including seawater, brackish water, oil-produced water, and other industrial saline wastewaters. Presents information exclusively for saline water pollutant removal. Introduces current treatment technologies and addresses why and how the techniques differ between fresh and salt water. Offers an inclusive overview of physicochemical, biological, membrane, and advanced oxidation treatment technologies. Features various perspectives and case studies from relevant global experts. Provides a...

Women *at Work*

Inspiring conversations, advancing together

Taking Charge of Your Career

Acc. No : 48593

Call No : 650.14 HBR

As a woman, navigating your career path can be challenging. At times, you're faced with a lack of support, unconscious bias and negative assumptions, disruptive career pauses, and more. So, how can you get beyond these obstacles and progress your career in a way that is meaningful and fulfilling? Taking Charge of Your Career helps readers navigate the tricky territory of charting a rewarding career path. Whether you're new to the workforce, reentering after a pause, or trying to find your way through a midcareer slump, you'll find research, advice, and practical tips to help you move forward. This book will inspire you to decide what a meaningful career looks like to you. Align yourself with the right supporters and mentors. Approach hard decisions with confidence. Navigate difficult...



EARNINGS MANAGEMENT, FINTECH-DRIVEN INCENTIVES AND SUSTAINABLE GROWTH

ON COMPLEX SYSTEMS, LEGAL
AND MECHANISM DESIGN FACTORS

Michael I. C. Nwogugu



Acc. No : 48453

Call No : 658.155 NOW-M

Traditional research about Financial Stability and Sustainable Growth typically omits Earnings Management as a broad class of misconduct, Complex Systems Theory, Mechanism Design Theory, Public Health, psychological issues, and the externalities and psychological effects of Fintech. Inequality, Environmental Pollution, Earnings Management opportunities, the varieties of complex Financial Instruments, Fintech, Regulatory Fragmentation, Regulatory Capture, and real-financial sector-linkages are growing around the world, and these factors can have symbiotic relationships. Within the Complex System theory framework, this book analyzes these foregoing issues, and introduces new behavior theories, Enforcement Dichotomies, and critiques of models...

A
Wall Street
Journal
Bestseller

BREAKING THROUGH

*Communicating to
Open Minds, Move Hearts,
and Change the World*

SALLY SUSMAN

Chief Corporate Affairs Officer, Pfizer

HARVARD BUSINESS REVIEW PRESS



Acc. No : 48224

Call No : 658.45 SUS-S

A global pandemic. A roller-coaster economy. Political tensions are ready to ignite, and common civility is at an all-time low. For leaders, the pressures and the stakes could not be higher. And in such a stormy, often dangerous world, communications can no longer be considered a soft skill. The ability to reach people and drive public conversation is a rock-hard competency. In this wise and inspiring book, Sally Susman, the renowned head of corporate affairs at global biopharmaceutical giant Pfizer, tells the fascinating story of how the company managed the massive communications challenge that came with COVID-19 and the race to produce an effective vaccine. Just as crucial as creating the vaccine itself was the task of winning people's hearts and minds, and...



MXene Nanocomposites

Design, Fabrication, and
Shielding Applications

EDITED BY
Poushali Das, Andreas Rosenkranz,
and Sayan Ganguly



Acc. No : 49587

Call No : 667.9 DAS-P

MXenes offer single-step processing, excellent electrical conductivity, easy heat dissipation behavior, and capacitor-like properties and are used in photodetectors, lithium-ion batteries, solar cells, photocatalysis, electrochemiluminescence sensors, and supercapacitors. Because of their superior electrical and thermal conductivities, these composites are an ideal choice in electromagnetic interference shielding. MXene Nanocomposites: Design, Fabrication, and Shielding Applications presents a comprehensive overview of these emerging materials, including their underlying chemistry, fabrication strategies, and cutting-edge applications in EMI shielding. Covers modern fabrication technologies, processing, properties, nanostructure formation, and mechanisms of reinforcement. Discuss ...



Latour

for

Architects

Albena Yaneva



Acc. No : 48163

Call No : 720.1 YAN-A

Bruno Latour is one of the leading figures in Social Sciences today, but his contributions are also widely recognized in the arts. His theories flourished in the 1980s in the aftermath of the structuralism wave and generated new concepts and methodologies for the understanding of the social. In the past decade, Latour and his Actor-Network Theory have gained popularity among researchers in the field of architecture. Latour for Architects is the first introduction to the key concepts and ideas of Bruno Latour that are relevant to architects. First, the book discusses critically how specific methods and insights from his philosophy can inspire new thinking in architecture and design pedagogy. Second, it explores examples from architectural practice and urban design, and reviews recent attempts to extend the...

MYSURU SRIRANGAPATNA



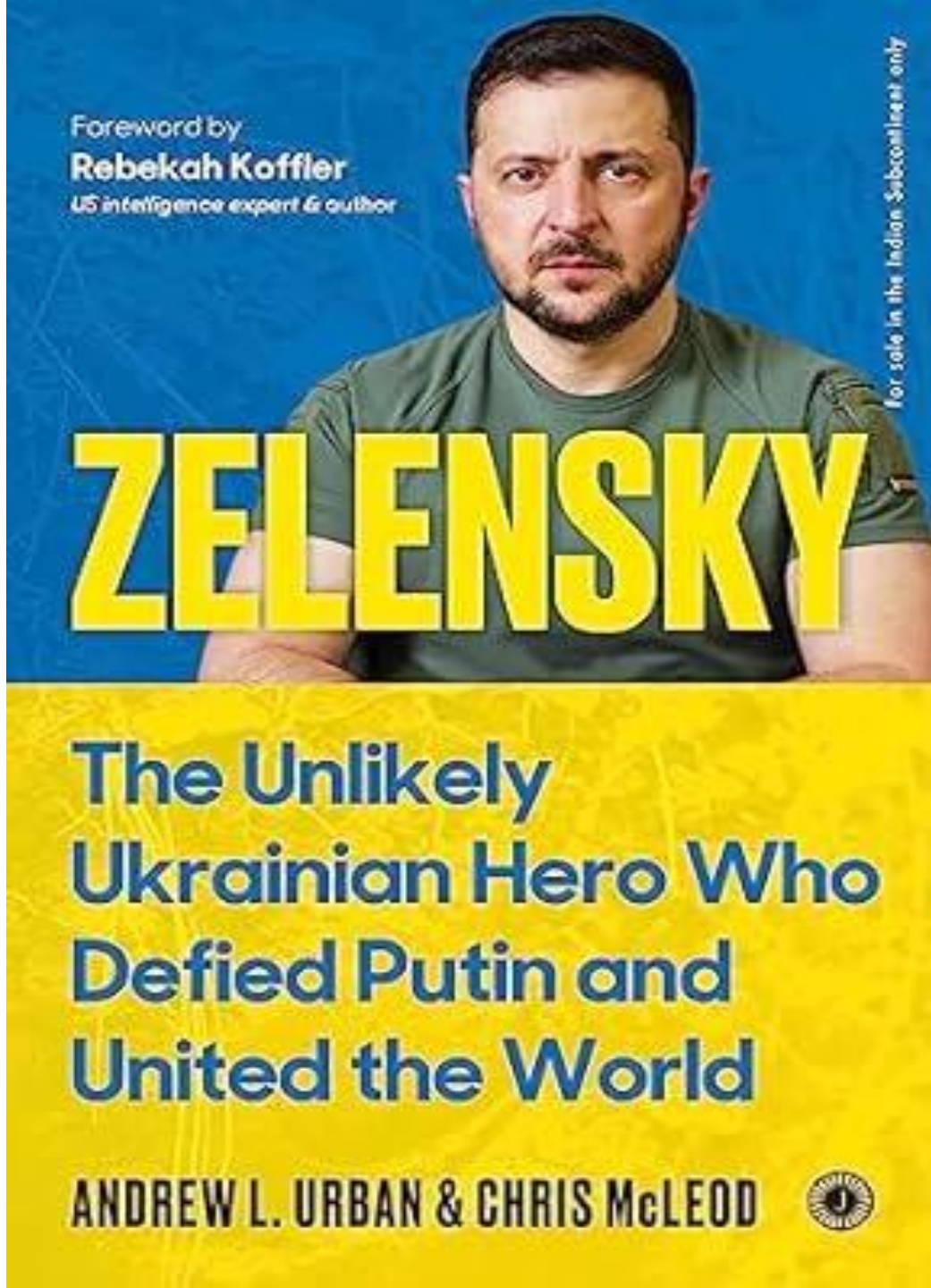
Acc. No : 49074

Call No : 954.8 MIC-G

The royal city of Mysuru and the massive fort of Srirangapatna on a nearby island in the Kaveri River preserve an amazingly diverse architecture. This built legacy spans the 17th to 20th centuries, an era marked by the supremacy of the Wadiyar Maharajas of Mysuru, except for a short period towards the end of the 18th century when their authority was taken over by Haidar Ali and Tipu Sultan. Restored to the Mysuru throne by the English after the 1799 “Siege of Seringapatam”, the Wadiyars emerge as enthusiastic patrons of architecture and painting. Visitors to Mysuru and Srirangapatna have much to see, beginning with the Mysore Palace with its splendid audience halls, and the art collection in the Jaganmohan Palace. Those with more time and interest can tour the city’s other palaces, royal temples, civic...

PHOTOGRAPHY
Surendra Kumar

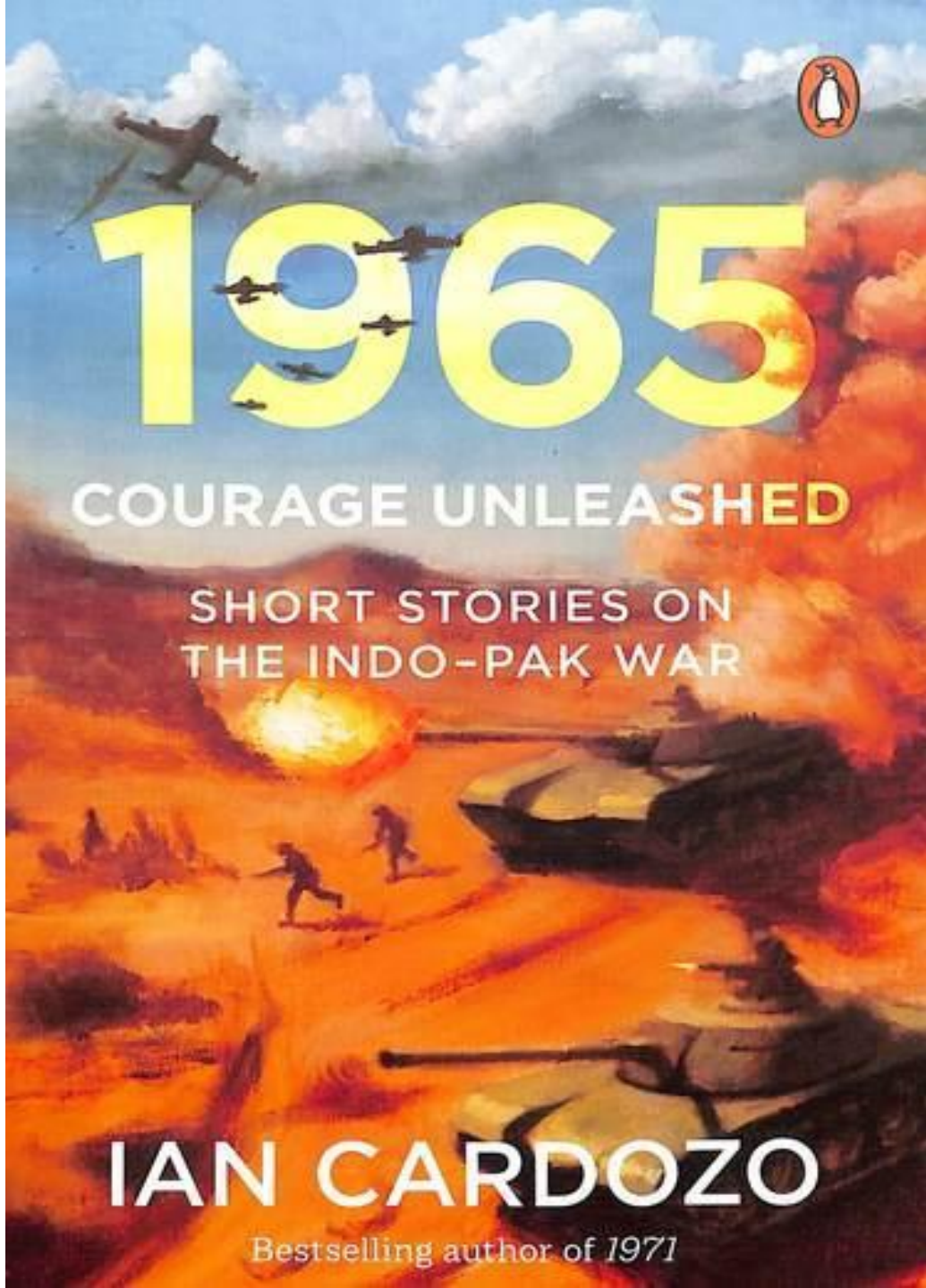
GEORGE MICHELL
MALAVIKA MURTHY
CALEB SIMMONS
SHIVENDRA URS



Acc. No : 49054

Call No : Biography URB-A

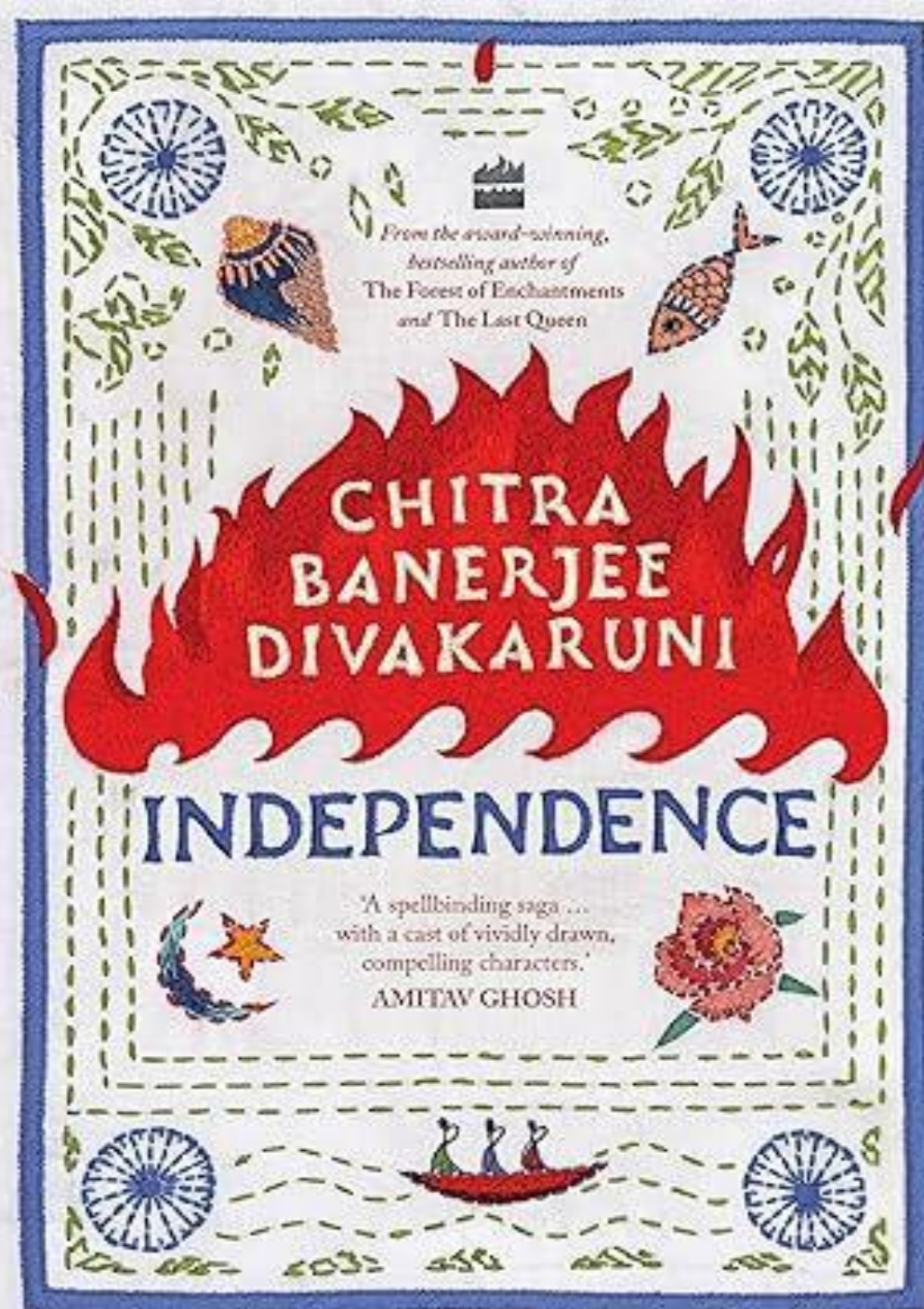
Ukraine's most popular comedic actor was an unlikely president of his country. And now, even more improbably, Volodymyr Zelensky has become the world's most celebrated statesman. Who is he? How did he become the international hero of our time? Zelensky: The Unlikely Ukrainian Hero Who Defied Putin and United the World is a compelling account of this fascinating, enigmatic leader. Covering Zelensky's childhood, family history, and astonishing transformation from TV celebrity to the first Jewish president of Ukraine, this book tells you what you need to know about the newest star of the world stage. No one has been more surprised by Zelensky's power to inspire and mobilize his countrymen and the world than Vladimir Putin, who expected Russia's conquest of its...



Acc. No : 49345

Call No : Fiction CAR-I

Did you know that the 1965 Indo-Pak War was initiated by Field Marshal Ayub Khan of Pakistan to wrest Jammu and Kashmir from India? His failure to achieve his aim led eventually to his overthrow. The Indo-Pakistani War of 1965 started as a localized conflict in Jammu and Kashmir and escalated into a complex, all-out war fought on a much larger scale than the wars of 1947-48, 1962, 1971, and 1999. It extended from Ladakh in the north to Bikaner in Rajasthan and across the states of Jammu & K, Punjab, Rajasthan, and West Bengal. In extent, what was handled by the Western Command in 1965 is being handled today by three commands. This account highlights the human dimension of war through the dramatic personal experiences of army and air force officers that astonish and overwhelm one's...



Acc. No : 48211

Call No : Fiction DIV-C

India. August 1946. Everything is about to change. Priya, Jamini, and Deepa, Dr Nabakumar Ganguly's daughters, live in Ranipur, Bengal, safe from the rising turbulence in the country. When their father is killed on Direct Action Day, their world turns upside-down. Priya, the youngest, intelligent, and idealistic, is determined to follow in her father's footsteps and become a doctor, no matter how difficult. She is fortunate to have the support of Zamindar Somnath Chowdhury, her father's best friend. Jamini, devout, dutiful, and talented, helps her mother stitch kanthas to make ends meet. Hungering for affection even as she is resentful of her sisters, she nurses a secret desire. Beautiful Deepa, the eldest, all set to marry well, falls in love with Raza, Youth Leader at the Muslim League, and must face the...

RUSKIN BOND

Tales of Mischief and Adventure

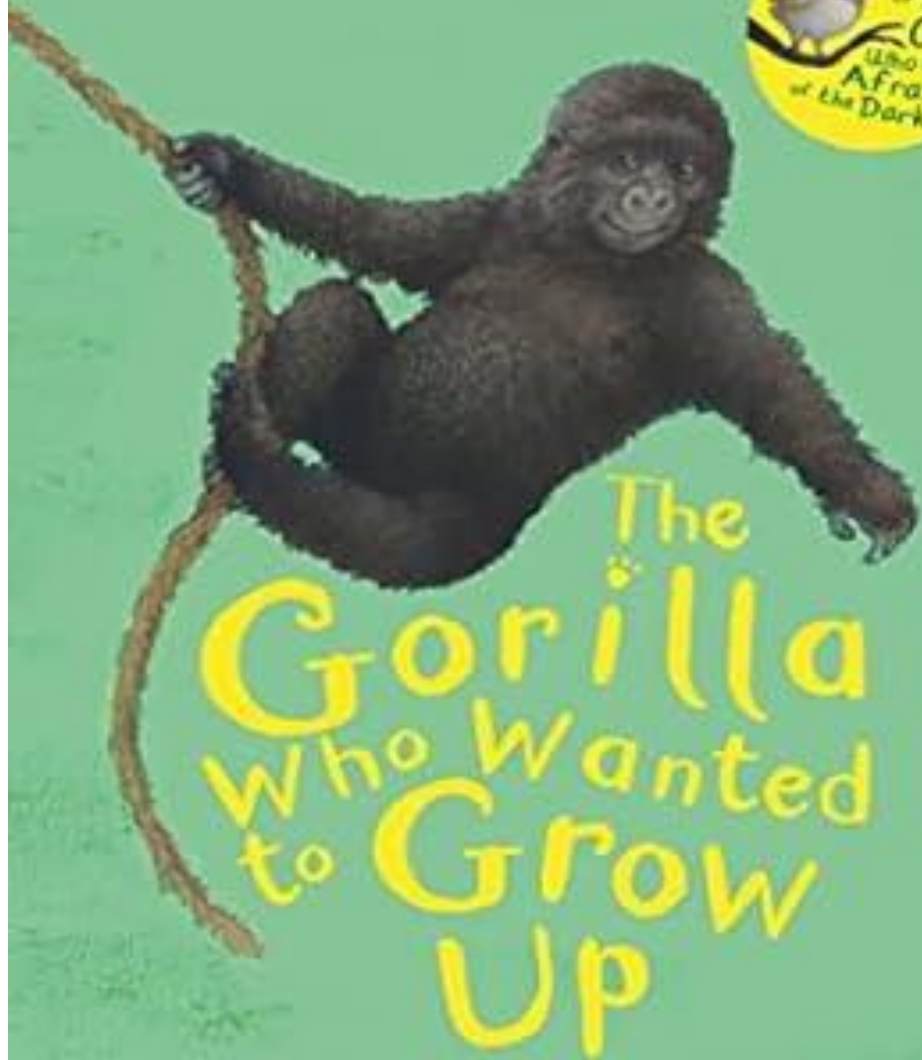


Acc. No : 49494

Call No : Fiction BON-R (Young Learners)

And outside the tunnel, on the pine knoll below the school, there was fresh untrodden grass, sprinkled with clover and daisies; the only sounds we heard were the hammering of a woodpecker and the distant insistent call of the Himalayan Barbet. Who could touch us there? Recollections of adventures and laughter shared with friends become the anchors that bring us joy in adulthood. Whether it's running around the playground, exploring new places, or even cooking up some harmless mischief with friends, these memories never fail to lift the fog of monotony from one's life. Tales of Mischief and Adventure will transport you to Ruskin Bond's enchanting world filled with animals, children, and mesmerizing adventures. The stories in this collection are made vivid by Bond's evocative prose and vibrant storytelling, carrying you away on a...

Jill Tomlinson



Acc. No : 49842

Call No : Fiction TOM-J (Young Learners)

Pongo is a young and mischievous gorilla living in the mountains of Africa. He wants to grow up to be brave and clever like his dad, and perhaps even become the leader of the pack one day. But it is not until his little sister, Whoopsie, is born that Pongo discovers that growing up isn't just about having a big chest to thump! Can he prove that he isn't as young and irresponsible as everyone thinks he is? Pongo lived in a troop of gorillas, and his father was the leader. Pongo called him Da, but the other gorillas called him the Big Boss. Da looked quite different from Pongo, apart from being much bigger. There were white hairs all over his back mixed with the black ones, so his back looked silver. Pongo's troop passed other troops sometimes, and the leader always had a silver back like Da. Pongo often wonder...

Links to Access Library Resources / Services

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E-Resources Link: <https://bitspilani-hyd-opac.kohacloud.in>

Digital Library: <http://125.22.54.221:8080/jspui/> (within the Campus)

Old Question Papers: <http://125.22.54.221:8080/jspui/handle/123456789/1>
(within the Campus Only)

Online News Papers: <https://onlinenewspapers.com/india.shtml>



7A

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Literature
Geography
History

Thank you