

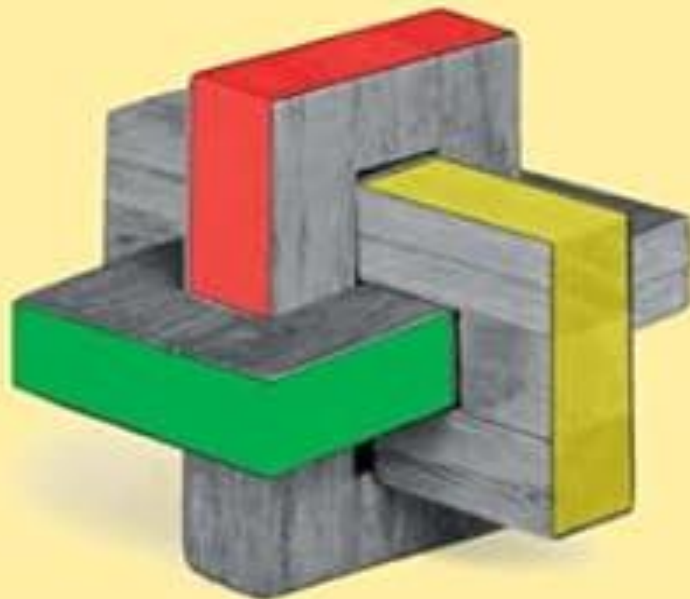
**BITS PILANI – HYDERABAD
CAMPUS LIBRARY
Fortnightly New-Book Display - 02
(18 – 31 August, 2025)**

BITS Pilani
Hyderabad Campus



125 Problems in Text Algorithms

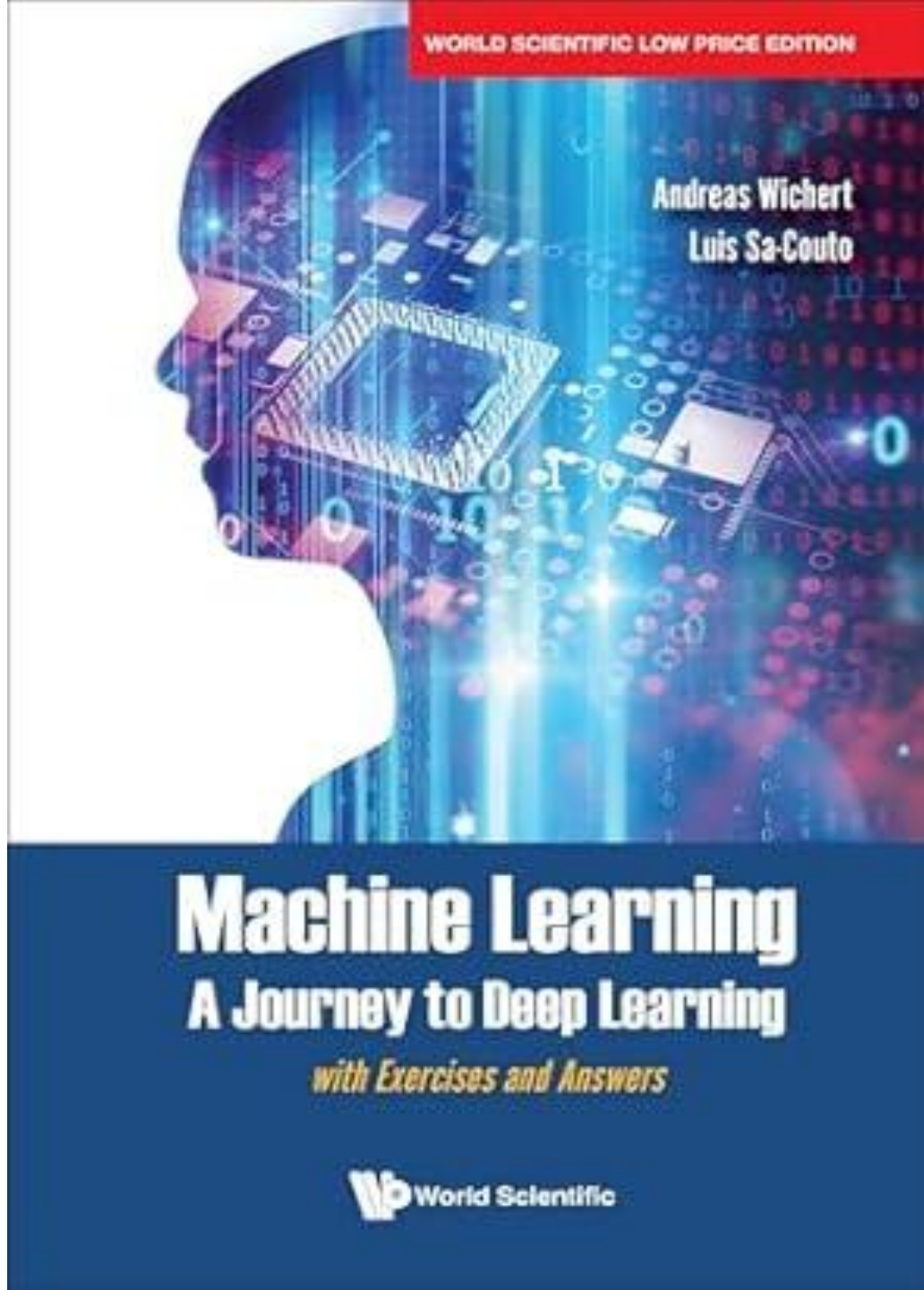
Maxime Crochemore
Thierry Lecroq
Wojciech Rytter



Acc. No : 49893

Call No : 005.13 CRO-M

String matching is one of the oldest algorithmic techniques, yet still one of the most pervasive in computer science. The past 20 years have seen technological leaps in applications as diverse as information retrieval and compression. This copiously illustrated collection of puzzles and exercises in key areas of text algorithms and combinatorics on words offers graduate students and researchers a pleasant and direct way to learn and practice with advanced concepts. The problems are drawn from a large range of scientific publications, both classic and new. Building up from the basics, the book goes on to showcase problems in combinatorics on words, including Fibonacci or Thue-Morse words, pattern matching, including Knuth-Morris-Pratt and Boyer-Moore-like algorithms, efficient text...



Acc. No : 49876

Call No : 006.31 WIC-A

This unique compendium discusses some core ideas for the development and implementation of machine learning from three different perspectives: the statistical perspective, the artificial neural network perspective, and the deep learning methodology. The useful reference text represents a solid foundation in machine learning and should prepare readers to apply and understand machine learning algorithms as well as to invent new machine learning methods. It tells a story originating from a perceptron to deep learning, highlighted with concrete examples, including exercises and answers for the students. This book tells a story starting from a perceptron to deep learning, highlighted with concrete examples. It discusses some core ideas for the development and implementation of machine...

THE MAGIC

OF

HARNESSING
THE
POWER
WITHIN

POSITIVE

THINKING

ROGER FRITZ



Acc. No : 49461

Call No : 158.1 FRI-R

Success means progressing from what is acceptable to what is excellent. It seldom comes easily. The Magic of Positive Thinking, Harnessing the Power Within, is a beacon of empowerment in the realm of self-help. Delving into the transformative potential of a positive attitude, this book unveils the secrets to effective communication and the pivotal role of teamwork in personal and professional success. Fritz guides readers to identify and understand their challenges, offering practical tools to overcome them. With illuminating insights, this book is a roadmap to self-discovery and personal growth, unlocking the magic within for a more fulfilling life. The journey towards developing a positive attitude unfolds through self-awareness, introspection, and a deliberate choice to perceive life through an...

Author of the Bestseller
New York to NEW YOU



THE CONSCIOUS PRENEUR

Rich with **Mind**, Rich with **Money**

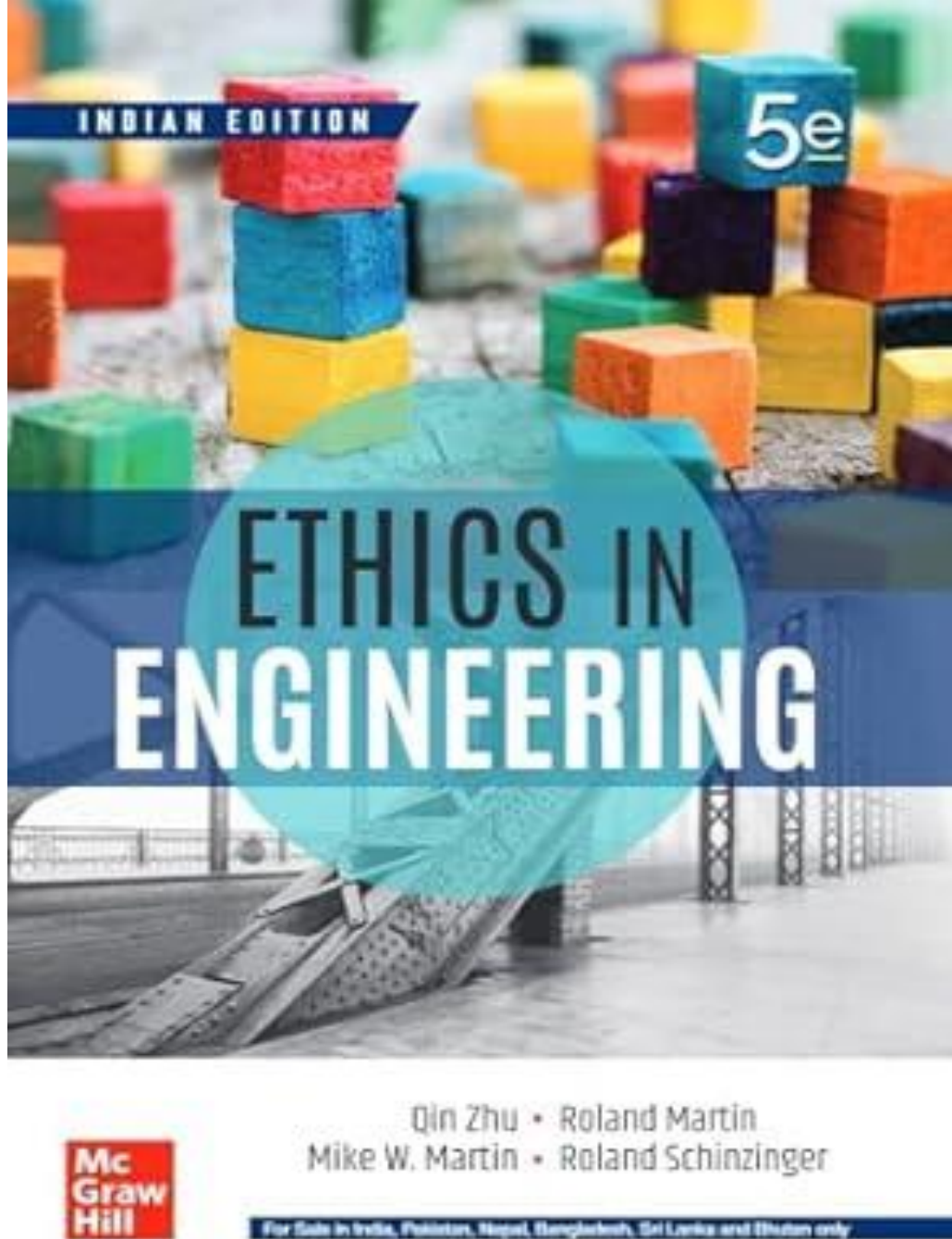


MANOJ GUPTA

Acc. No : 49119

Call No : 158.1 GUP-M

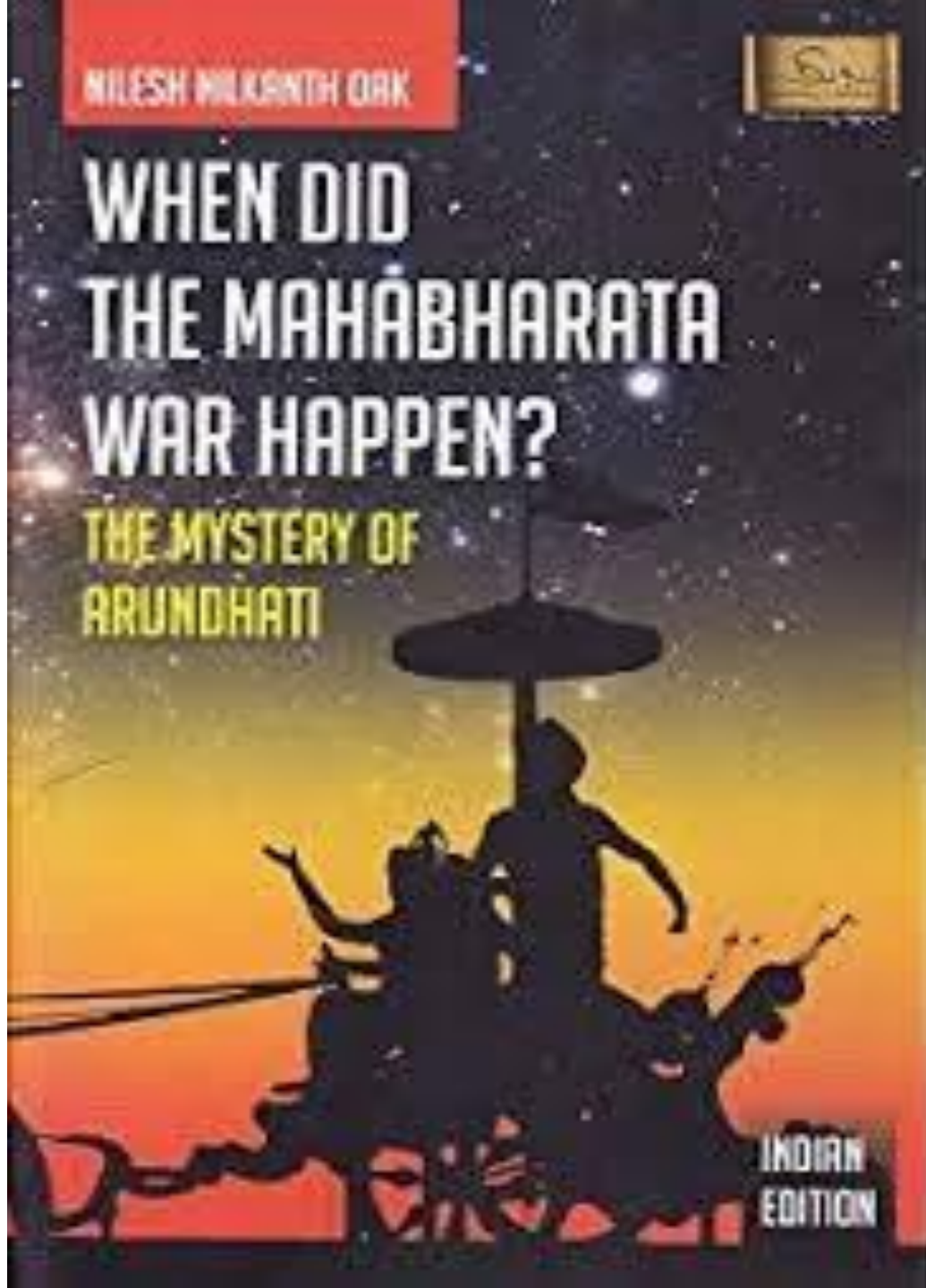
This book is meant to wake up the Consciouspreneur within you through a tale that takes you around the world and offers you the sights, insights, and sounds of various cultures, religions, and societies. The new borderless world answers several questions but raises new ones about the very existence and beliefs of mankind. Even though we are the custodians of several belief systems, we barely get the true meaning of them even till our death. Technology. Science. Spirituality. Religion. Leadership. These seem to be very distinct spheres of our life, but are they? We live in a world where logic is the new denomination. The solemnity around data, facts, and logic is all around us. Every one None of us expects demonstrable data and logical evidence to accept any hypothesis. However, there are...



Acc. No : 49721

Call No : 174.962 ZHU-Q

Ethics in Engineering provides an introduction to the issues in engineering ethics. It places those issues within a philosophical framework, and it seeks to exhibit their social importance and intellectual challenge. The goal is to stimulate reasoning and to provide the conceptual tools necessary for responsible decision making. The book clarifies key concepts, sketching alternative views and providing relevant case study material. It offers updated, reorganized and developed chapters with the most recent data and research findings. It discusses Confucian role ethics, duty ethics, philosophy of technology and life cycle-assessment among others. Expanded discussions on corporate social responsibility, research ethics, environmental ethics, and design ethics among others...



Acc. No : 49832

Call No : 294.5923 OAK-N

In a drastic re-evaluation of astronomy observations from Mahabharata, using high-tech tool of modern astronomy and low-tech tool of the logic of scientific discovery, Nilesch Oak's extraordinary book presents ordinary theory of astronomy observations that would lead to a quantum jump in our understanding of the Mahabharata War: How a theory based on single unifying idea corroborates 100+ astronomy observations · Where to search for the year of the Mahabharata War Epoch of 6500 years & Compact time interval of 3000 years · How a single observation, previously known but unexplained, falsifies 96% of all proposals for the year of the Mahabharata War · Why does it matter how long Bhishma was lying on the bed of arrows · How ancient is the tradition of meticulous astronomy observations...

Foreword by
M. VENKAIAH NAIDU
Former Vice President of India



WESTERN MEDIA NARRATIVES ON **INDIA** FROM GANDHI TO MODI



UMESH UPADHYAY



Acc. No : 49506

Call No : 302.230954 UPA-U

Western Media Narratives on India explores how cultural imperialism influences Third-World nations. Media in the hands of the former colonizers who wish to maintain their sway has become a tool to dictate people's thoughts. Focused on India, this narrative spans from the nation's independence in 1947 to the present day, scrutinizing the relentless targeting of Indian leadership by the dominant Western English media. With time, these attacks have intensified, particularly on a resurgent India. In this book, the media's role during crises emerges as a central theme, with a spotlight on COVID-19. The Western media crafted a narrative portraying India's response to the disaster as chaotic, forecasting a staggering death toll reminiscent of the Spanish Flu of 1918. The Western media's approach to...



NEOLIBERALISM AND UNEQUAL DEVELOPMENT

ALTERNATIVES AND TRANSITIONS IN EUROPE,
LATIN AMERICA AND SUB-SAHARAN AFRICA

Fernando López Castellano, Carmen Lizárraga
and Roser Manzanera Ruiz



Acc. No : 49652

Call No : 338.9 LOP-F

Since the 1970s, neoliberalism has evolved from ideology to political programme, from political programme to public policy, and public policy to constitutional rule. This process of change has been made possible through the endorsement of an uncritical, a-historical, and apolitical economic theory that legitimised technocratic despotism, financial deregulation, precarious labour, and constitutional-political emptying. This book examines critical perspectives in mainstream neoliberal development analysis. It examines the neoliberal experiment as a global historical construct through the cases of Africa, Latin America, and Europe. The analysis begins in 1980 with the Structural Adjustment Plans in Latin America and Africa, followed in 1990 by Maastricht in the case...

ALGORITHMS for CONVEX OPTIMIZATION

Nisheeth K. Vishnoi



Acc. No : 49901

Call No : 515.882 VIS-N

In the last few years, Algorithms for Convex Optimization have revolutionized algorithm design, both for discrete and continuous optimization problems. For problems like maximum flow, maximum matching, and submodular function minimization, the fastest algorithms involve essential methods such as gradient descent, mirror descent, interior point methods, and ellipsoid methods. The goal of this self-contained book is to enable researchers and professionals in computer science, data science, and machine learning to gain an in-depth understanding of these algorithms. The text emphasizes how to derive key algorithms for convex optimization from first principles and how to establish precise running time bounds. This modern text explains the success of these algorithms in problems of discrete...

Doing Statistical Analysis

A Student's Guide
to Quantitative Research

Christer Thrane



Acc. No : 49654

Call No : 519.5 THR-C


Doing Statistical Analysis looks at three kinds of statistical research questions: descriptive, associational, and inferential, and shows students how to conduct statistical analyses and interpret the results. Keeping equations to a minimum, it uses a conversational style and relatable examples such as football, COVID-19, and tourism, to aid understanding. Each chapter contains practice exercises and a section showing students how to reproduce the statistical results in the book using Stata and SPSS. Digital supplements consist of data sets in Stata, SPSS, and a test bank for instructors. Its accessible approach means this is the ideal textbook for undergraduate students across the social and behavioral sciences needing to build their confidence with statistical analysis. Statistical analysis in research is...

MODERN PHYSICS

The Scenic Route



Leo Bellantoni

 World Scientific



Acc. No : 49887

Call No : 530 BEL-L

This book leaps over the usual pedagogical progression, taking readers to a real understanding of quantum, relativistic, nuclear, and particle physics. These areas are usually reserved for the end of one's undergraduate career or even for graduate students in physics programs, but do not need to be. The Scenic Route is created out of the joy of science; it is not designed to produce problem-solving ability, but rather is designed to reveal some physics that is just plain nifty. Guided by an understanding that much of modern physics is available to almost everyone with a moderate mathematical vocabulary, we lead the student through a short, trenchant tour of quantum physics, relativity, modern particle physics, and its history. Unlike conventional texts, this book will also...

Microbes, Materials, and the Engineered Environment



Acc. No : 49646

Call No : 547.83 WUN-K

Microbial Bioinformatics in the Oil and Gas Industry

Applications to Reservoirs and Processes

edited by
Kenneth Wunch
Marko Stipaničev
Max Frenzel



This book brings together contributions from leading scientists, academics, and experts from the oil and gas industry to discuss microbial-related problems faced by the industry and how bioinformatics and an interdisciplinary scientific approach can address these challenges. Microbial Bioinformatics in the Oil and Gas Industry: Applications to Reservoirs and Processes presents the major industrial problems caused by microbes as well as the beneficial activities. Offers a detailed description of how bioinformatics has advanced our understanding of numerous issues in the oil and gas industry. Covers cases from geographically diverse oil fields, laboratories, and research groups. Contains fundamentals and applied information of relevance to the oil and gas sector. Presents contributions from a...

WILFRIED BRUTSAERT

HYDROLOGY

An Introduction

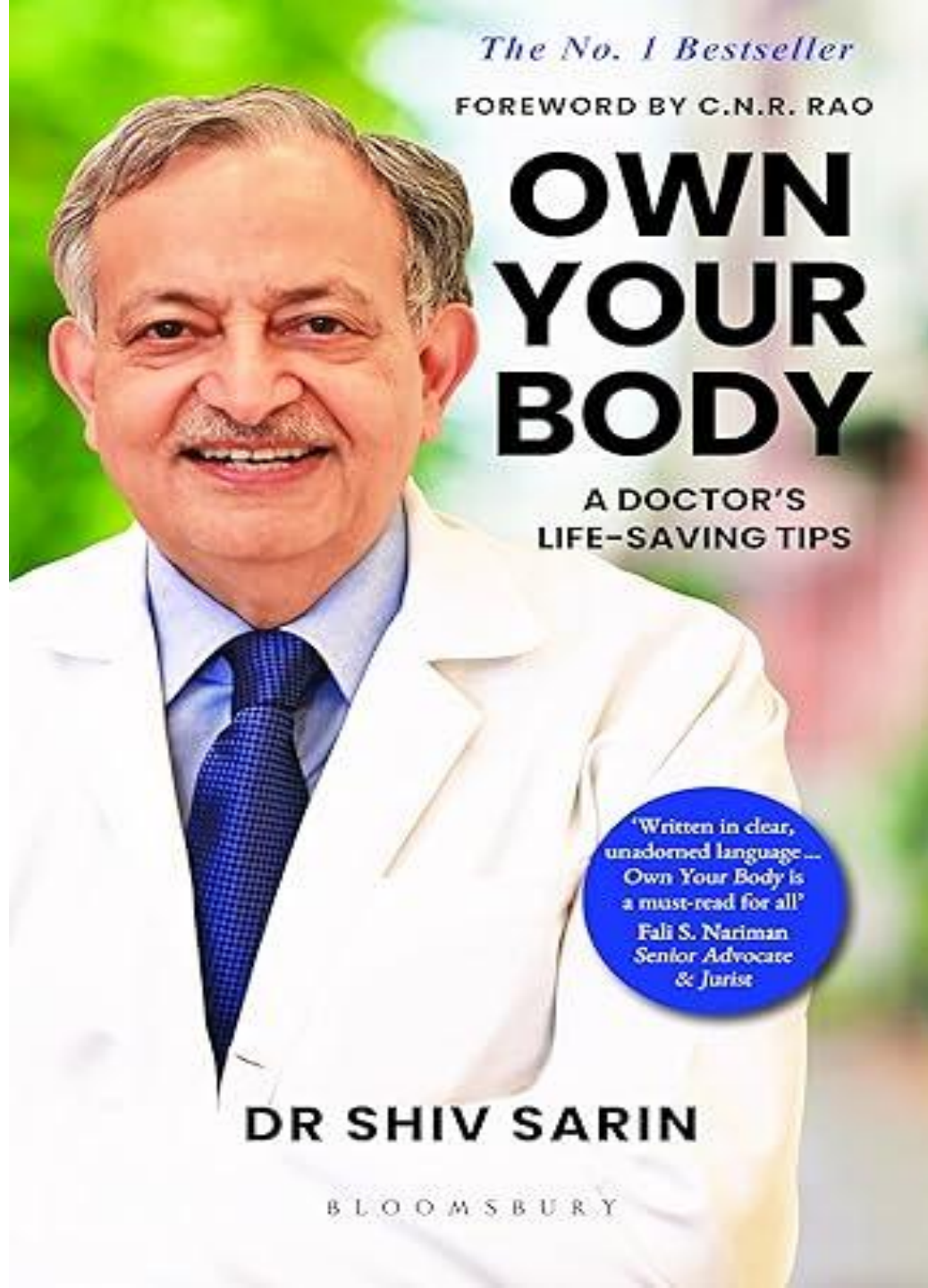
SECOND
EDITION



Acc. No : 49922

Call No : 551.48 BRU-W

Wilfried Brutsaert, 2022 Stockholm Water Prize Laureate, has revised and updated his classic textbook to take into account recent developments, while retaining the rigor and structure of the previous edition to introduce the fundamental principles of hydrology. New topics include the response of the global water cycle to climate change, the land surface energy budget closure, snow melt, groundwater trends, and statistical surface variability with disturbed atmospheric boundary layers. Hydrologic phenomena are dealt with at the spatial and temporal scales at which they occur in nature. The physics and mathematics necessary to describe these phenomena are introduced and developed: readers will require a working knowledge of calculus and basic fluid mechanics. This classroom-tested textbook, based on...



Acc. No : 49699

Call No : 610.4 SAR-S

Divided into six clear and easy-to-follow sections focusing on topics such as liver, Own Your Body bridges the gap between medical jargon and everyday life. Whether you're facing a health scare or just striving for a better lifestyle, Dr. Sarin's wisdom shines through, empowering readers to take charge of their health. A blueprint for living a healthy, fulfilled, and long life. In this eye-opening journey through the human body, Dr Shiv Sarin unlocks the secrets to a healthier you. Each story he tells, be it fatty liver problems among the young or the intricate nature of family health ties, holds invaluable lessons. Dr Sarin also provides insights into issues ranging from mysterious moles to early-onset high blood pressure. Divided into six clear and easy-to-follow sections focusing on topics such as the liver...

Dementia and Language

The Lived Experience in Interaction

Edited by Peter Muntigl,
Charlotta Plejert, and Danielle Jones



Acc. No : 49908

Call No : 616.831 MUN-P

Bringing together cutting-edge research from a group of international scholars, this innovative volume examines how people with dementia interact with others in a variety of social contexts, ranging from everyday conversation to clinical settings. Drawing on methods from conversation analysis, it sheds light on how people with dementia accomplish relevant goals in interaction, as well as how changes in an individual's discursive abilities may affect how conversationalists negotiate a world in common and continue to build their social relationships. By exploring interaction, this book breaks new ground in challenging the commonplace assumptions about what constitutes typical or atypical interactions in communication involving people with dementia, and further demonstrates the unique and...



Materials for Devices

EDITED BY
Sam Zhang



 **CRC Press**
Taylor & Francis Group

Acc. No : 49649

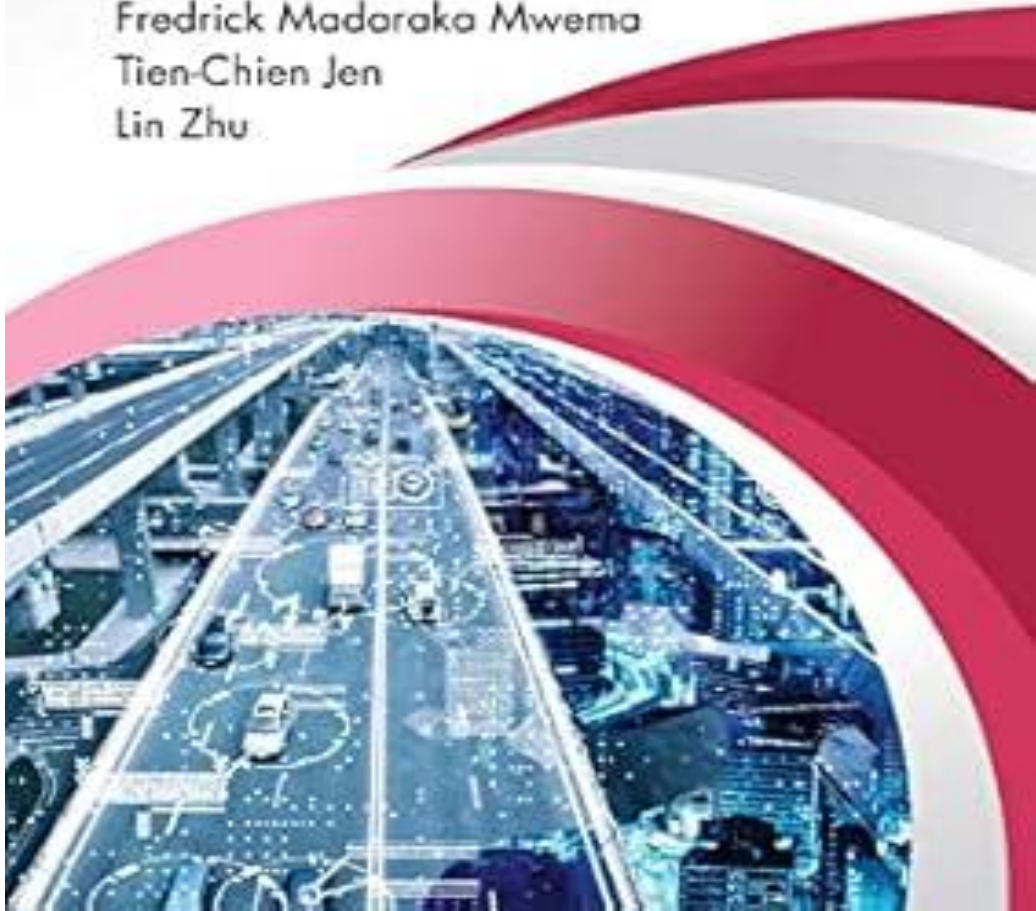
Call No : 620.11 ZHA-S

From everyday applications to the rise of automation, devices have become ubiquitous. Specific materials are employed in specific devices because of their particular properties, including electrical, thermal, magnetic, mechanical, ferroelectric, and piezoelectric. *Materials for Devices* discusses materials selection for optimal application and highlights current materials developments in gas sensors, optical devices, mechatronic devices, and medical and biological devices. Explains how to select the right material for the right device. Includes 2D materials, thin films, smart piezoelectric films, and more. Presents details on organic solar cells. Describes thin films in sensors, actuators, and LEDs. Covers thin films and elastic polymers in biomedical devices. Discusses the growth and...

Thin Film Coatings

Properties, Deposition, and Applications

Fredrick Madaraka Mwema
Tien-Chien Jen
Lin Zhu



Acc. No : 49614

Call No : 621.381 MWE-G

Thin Film Coatings: Properties, Deposition, and Applications discusses the holistic subject of conventional and emerging thin film technologies without bias to a specific technology based on the existing literature. It covers properties and delves into the various methods of thin film deposition, including the most recent techniques and a direction for future developments. It also discusses the cutting-edge applications of thin film coatings, such as self-healing and smart coatings, biomedical, hybrid, and scalable thin films. Finally, the concept of Industry 4.0 in thin film coating technology is examined. Explores a wide range and is not specific to the material and method of deposition. Demonstrates the application of thin film coatings in nearly all sectors, such as energy and...



Advanced Materials for a Sustainable Environment

Development Strategies and Applications

EDITED BY
Naveen Kumar and
Peter Ramashodi Makgwane



Acc. No : 49609

Call No : 628 KUM-N

This book summarizes recent and critical aspects of advanced materials for environmental protection and remediation. It explores the various development aspects related to environmental remediation, including the design and development of novel and highly efficient materials aimed at environmental sustainability. Synthesis of advanced materials with desirable physicochemical properties and applications is covered as well. Distributed across 13 chapters, the major topics covered include sensing and elimination of contaminants and hazardous materials via advanced materials, along with hydrogen energy, biofuels, and CO₂ capture technology. Discusses the development in the design of the synthesis process and materials with a sustainable approach. Covers the removal of biotic and...



INSIDER'S EDITION WITH HANDWRITTEN FOOTNOTES AND AFTERTHOUGHTS

ANTHONY BOURDAIN KITCHEN CONFIDENTIAL

ADVENTURES IN THE CULINARY UNDERBELLY

BLOOMSBURY



Acc. No : 48176

Call No : 641.5092 BOU-A

After twenty-five years of 'sex, drugs, bad behaviour and haute cuisine', chef and novelist Anthony Bourdain decided to tell all. From his first oyster in the Gironde to his lowly position as a dishwasher in a honky-tonk fish restaurant in Provincetown; from the kitchen of the Rainbow Room atop the Rockefeller Center to drug dealers in the East Village, from Tokyo to Paris and back to New York again, Bourdain's tales of the kitchen are as passionate as they are unpredictable, as shocking as they are funny. The new celebrity chef culture is a remarkable and admittedly annoying phenomenon. While it's been nothing but good for business and for me, many of us in life can't help snickering about it. Of all the professions, after all, few people are less suited to be suddenly thrown into the public eye than chefs...



18 MINUTES

FIND YOUR FOCUS
MASTER DISTRACTION &
GET THE RIGHT
THINGS DONE

PETER BREGMAN



Acc. No : 49807

Call No : 650.1 BRE-P

The most important business or self-help book since Emotional Intelligence and The One Minute Manager. How often do you get to the end of another long and frantic day and wonder why so many important things didn't get finished? We've never worked so hard and felt so unproductive and unfulfilled. 18 minutes takes this challenge and turns it on its head. Peter Bregman, top Harvard Business Review columnist and global management consultant, shatters the myth of getting it all done by offering a clear and simple plan for getting the right things done. He shows how the best way to fight distracting interruptions is to create productive ones ourselves, a practice that can be easily implemented in 18 minutes a day. The result is a simple yet comprehensive approach to managing your life a...

"The ultimate guide to diagnosing and
fixing the problems in your organization"
ADAM GRANT

**How
Smart Leaders
Make the
Right Things
Easier
and the
Wrong Things
Harder**

THE FRICTION PROJECT

**Robert I. Sutton
and Huggy Rao**



Acc. No : 49336

Call No : 658.102 SUT-R

Every organization is plagued by destructive friction. Yet some forms of friction are incredibly useful, and leaders who attempt to improve workplace efficiency often make things even worse. Drawing from seven years of hands-on research, *The Friction Project* by bestselling authors Robert I. Sutton and Huggy Rao teaches readers how to become friction fixers. Sutton and Rao kick off the book by unpacking how skilled friction fixers think and act like trustees of others' time. They provide friction forensics to help readers identify where to avert and repair bad organizational friction and where to maintain and inject good friction. Then their help pyramid shows how friction fixers do their work, from reframing friction troubles they can't fix right now, so they feel less threatened, to designing and repairing...



How Great Leaders
Leave Legacies Behind

LAST LEADERSHIP TO LAST

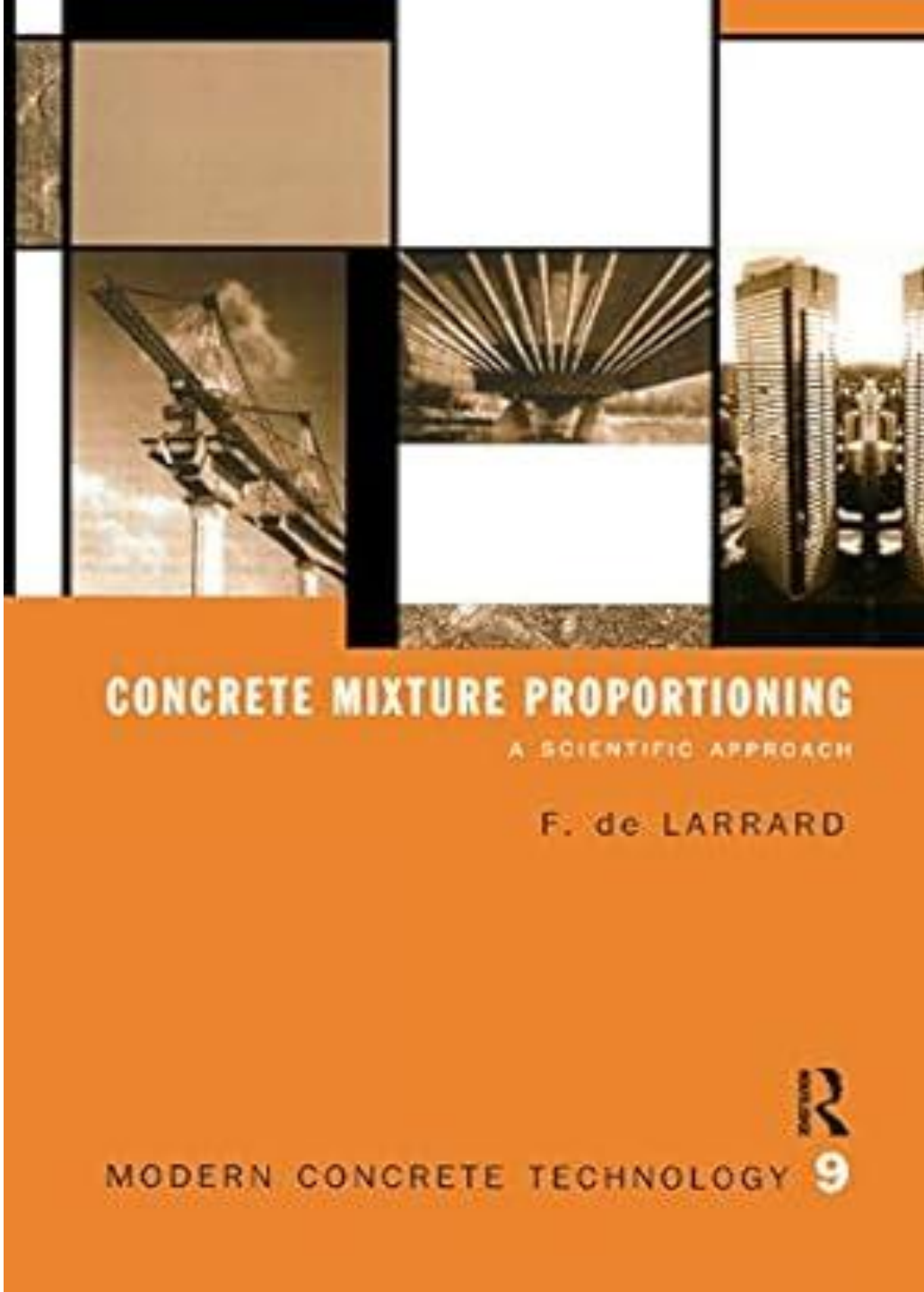
GEOFFREY JONES
TARUN KHANNA



Acc. No : 48335

Call No : 658.4092 JON-G

Society tends to glorify the get-rich-quick entrepreneur who builds a company, takes it public, and then maybe contributes to charity. In *Leadership to Last*, Geoffrey Jones and Tarun Khanna interview iconic leaders in India who have demonstrated leadership to last. There are leaders from South Asia and other emerging markets as well to illustrate that the ideas Indian entrepreneurs speak about are echoed by their counterparts in the Global South. All these magnates, Ratan Tata, Anu Aga, Adi Godrej, Kiran Mazumdar-Shaw, Devi Shetty, and Rahul Bajaj, to name a few, have built, to general acclaim and acknowledgement, organizations that are seen as forward-looking and innovative. They subscribe to a code of ethics and contribute to the betterment of society. The authors...



Acc. No : 49662

Call No : 666.893 DEL-F

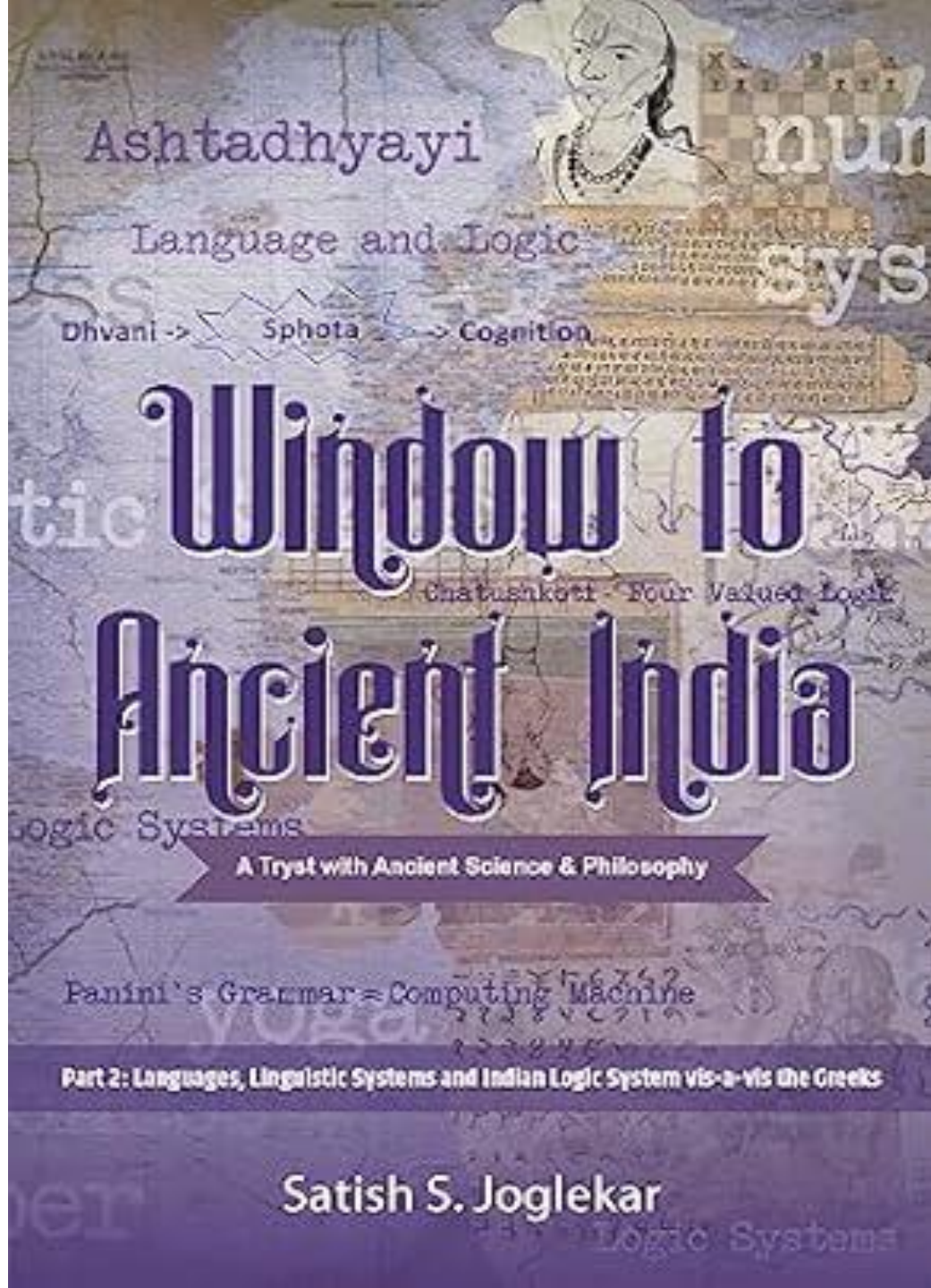
The design of concrete mixes is becoming increasingly complex, with the addition of new materials in the compounds, such as organic admixtures, fibres, and supplementary cementitious materials. Moreover, the list of properties that concretes are required to possess for certain applications has increased, and interest is developing in rheology, durability, deformability, and whole-life behaviour. This book presents several simple models for the understanding of a concrete system and provides the techniques for developing more sophisticated models for the practical design of concrete mixes. This book aims to build a consistent and scientifically based approach to designing concrete mixtures for most civil engineering applications. An attempt has been made to consider the following facts...



Acc. No : 49391

Call No : 826 OBR-T

100 Greatest Love Letters is a heartfelt anthology, delving into the intimate expressions of renowned figures. From Mozart's passionate letters to Constanze Weber to the eloquence of Oscar Wilde's letters to Lord Alfred 'Bosie' Douglas, and the tender correspondences between Emma Darwin and Charles Darwin, this collection unveils the depth and diversity of human affection. Napoleon Bonaparte's ardour for Josephine de Beauharnais and Winston Churchill's endearment to Clementine Churchill offer captivating insights into historical romances. Additionally, the book features the enchanting exchanges between Isadora Duncan and Gordon Craig and Virginia Woolf's emotive letters to Vita Sackville-West, among other remarkable epistles. The times today are mostly made up of brief moments of ...



Acc. No : 49110

Call No : 954.03 JOG-S

The canvas of India's history, literature, science, and culture spans not just centuries, but several millennia. This book provides a bird's-eye view of everything Indian, or simply the proverbial omnibus capsule. For modern readers who have little time to read eclectic sources, the omnibus capsule hopes to provide a comprehensive compendium about India. Coverage of Sanskrit, Prakrit, Apabrahmsha, and Vernacular literature is illuminating - examples of Chitra Kavya, a genre of Sanskrit poetry, reflect the ingenuity of Sanskrit poets. The evolution of modern scripts from Brahmi and families of Indian languages is well exemplified. It explains why Panini's grammar is sufficiently detailed to qualify as the earliest known computing language. His grammar is one of the earliest context-sensitive...

HAMARA RAHUL

A Tribute to
**Rahul
Bajaj**

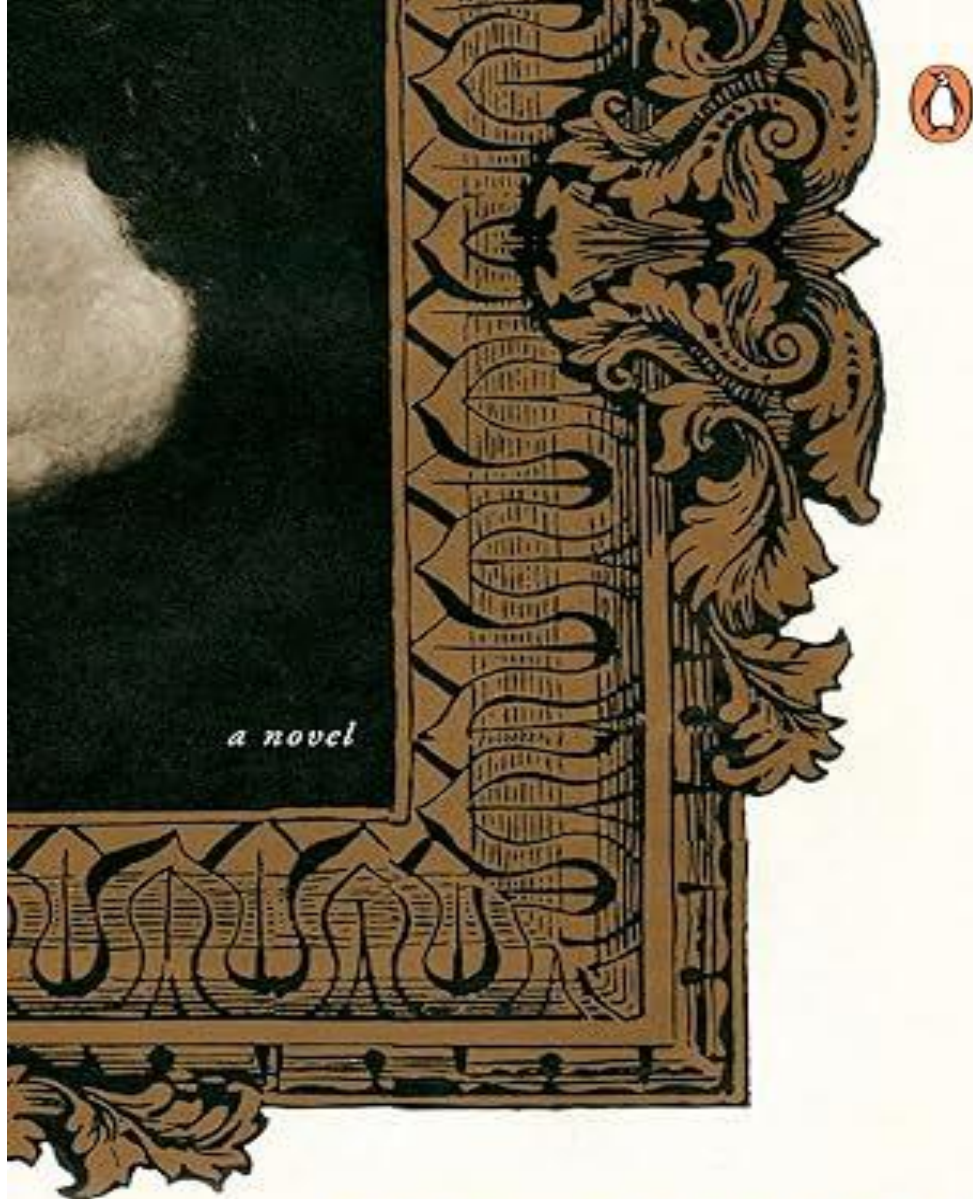
Edited by
**TARUN DAS and
KIRAN PASRICHA**



Acc. No : 49291

Call No : Biography DAS-T

Rahul Bajaj was an entrepreneur, a patriot, and a visionary, as well as a straight talker who influenced policy discourse for decades. 'Bajaj' is a synonym for three-wheelers across the Third World, and the Bajaj scooter was, for many years, the most affordable transport option for India's middle class. Rahul Bajaj was also among the first entrepreneurs to offer financial services to that income segment, starting with auto loans and then expanding the portfolio to offer other consumer-facing financial services. As a result, he was always in touch with the thoughts and aspirations of India's middle-income and lower-middle-income groups. He had a clear vision of India's ideal social and economic trajectory, and as an influential member of the 'Bombay Club' and later as a Rajya Sabha member, he was...



THE GALLERY

MANJU KAPUR



Acc. No : 49523

Call No : Fiction KAP-M

THE GALLERY pursues the question of what it takes for a woman to stand up for herself, through the intertwined lives of Minal and Ellora Sahni, wife and daughter of a successful New Delhi lawyer, and Maitrye and Tashi, wife and daughter of the office peon at the Sahni law practice. In her new novel, Manju Kapur brings together themes of independence, identity, and womanhood by focusing on a set of principal characters who are connected through work and physical proximity, yet separated by class and power. As the women navigate their desires, they are forced to re-examine marriage, as well as to consider the role of art as property, value, and self-expression. The titular gallery that Minal opens becomes a powerful symbol of both autonomy and constraint. Set in Delhi and Nepal, The Gallery surveys...

Am I a murderer?
You tell me ...



LISTEN FOR THE LIE

'Edgy, thrilling
and twisty'

LIANE
MORIARTY

'A world-class
whodunnit'

STEPHEN
KING

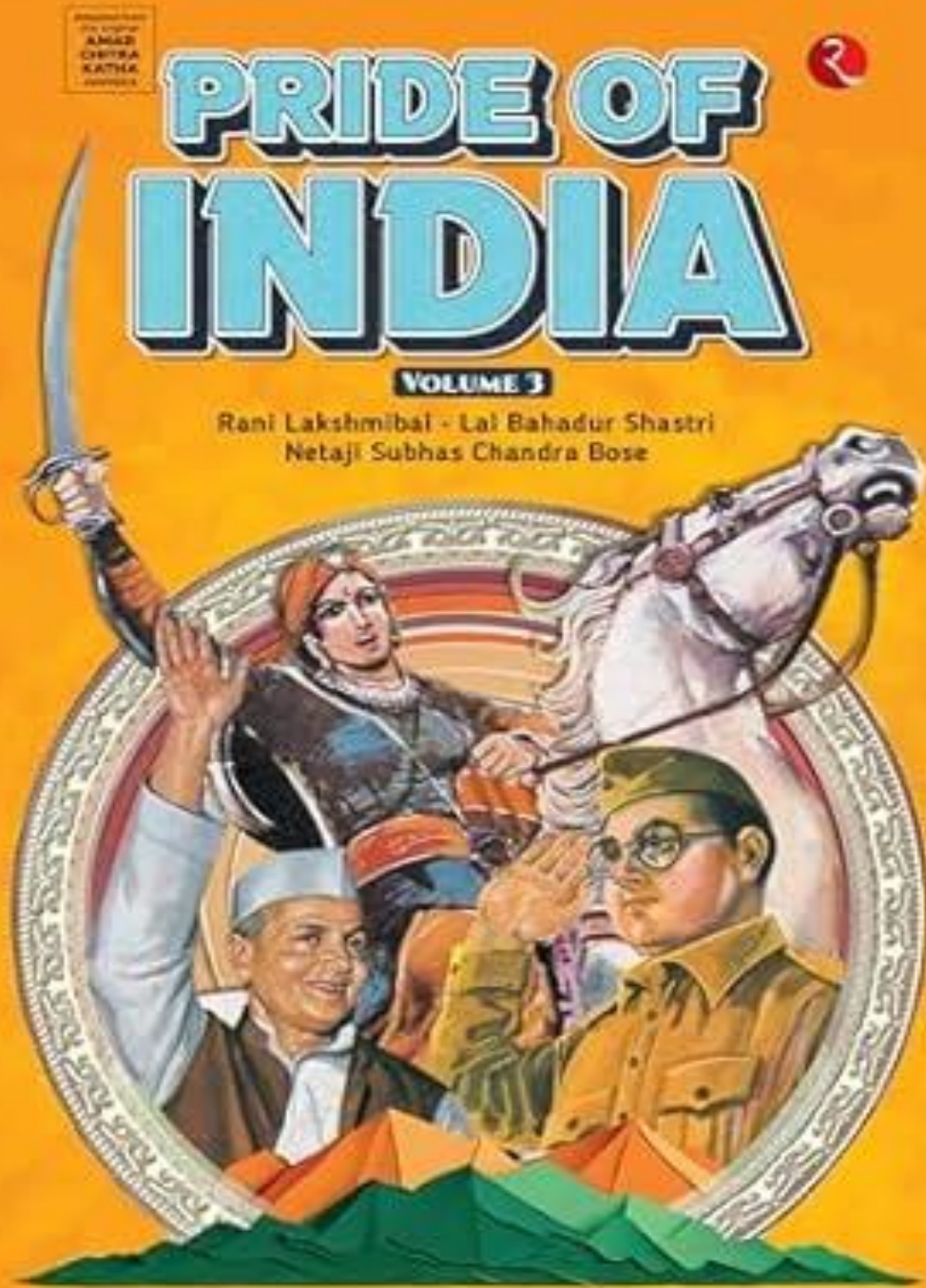
AMY TINTERA



Acc. No : 49329

Call No : Fiction TIN-A

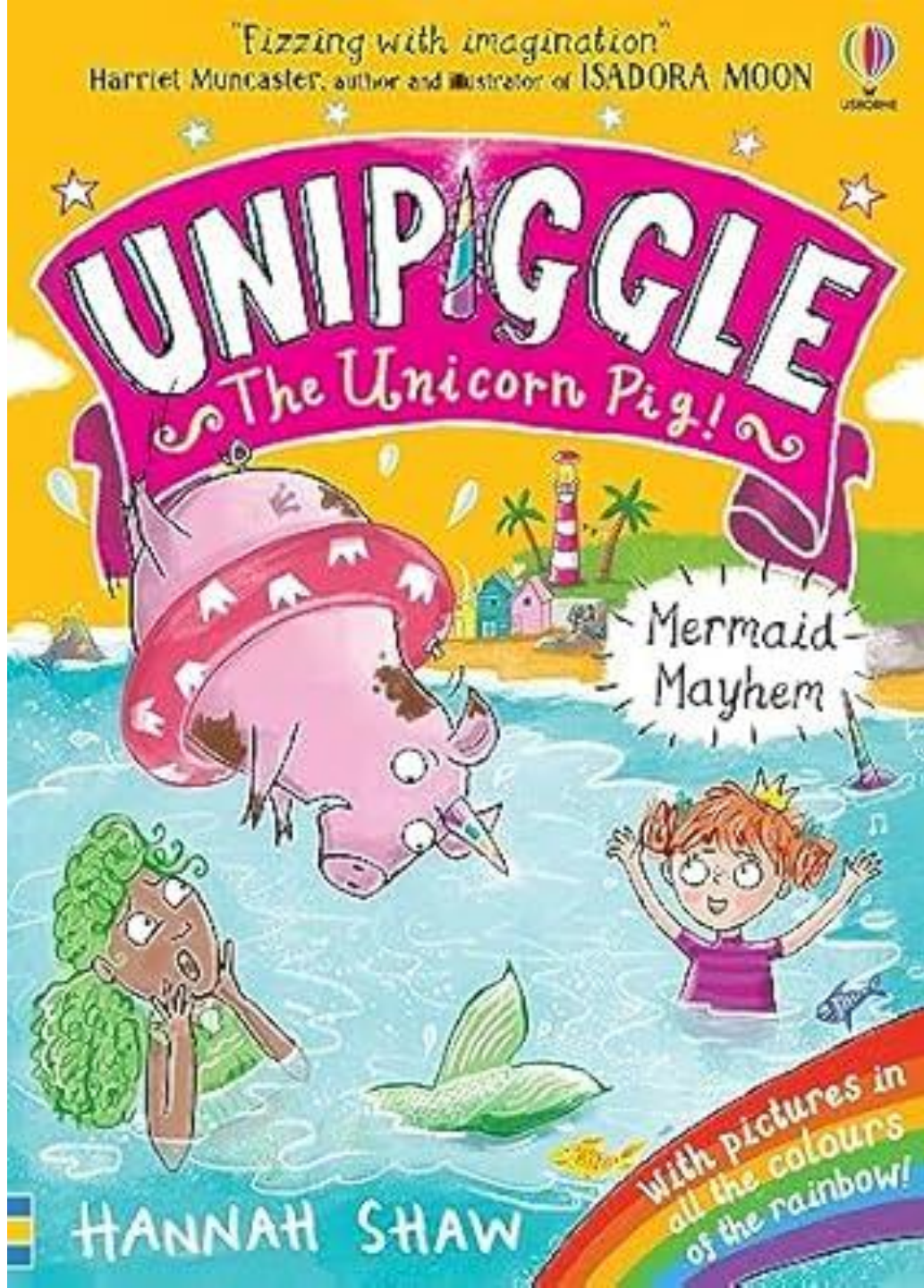
When the people who are expected to believe and trust you without a second thought do the opposite and believe everyone else except you, then it's the point that can break you in a way that can never be made okay. Parents are supposed to always love and care for us, no matter what happens; they're supposed to believe and protect us from every bad thing in the world, right? But what if they're the first ones to face the other side when something bad happens to you, and believe anything being rumoured about you? What if the place you called home for your whole life and the people who are supposed to protect you become the ones to blame you for something you don't remember, except one person who believes that you can't do it, no matter what, even when you believe you did it? This is the story of...



Acc. No : 49473

Call No : Fiction NAN-P (Young Learners)

Rani Lakshmibai not only ruled Jhansi with courage and compassion, but also emerged as a national hero in the 1857 War of Indian Independence. Hers is the story of a young girl who broke gender barriers and journeyed to become a legendary warrior queen. Netaji Subhas Chandra Bose was a brilliant scholar, a charismatic youth leader, and a brave freedom fighter. His revolutionary ideas created a mass awakening and stirred thousands to join the struggle for independence. The story of this patriot's life is truly awe-inspiring. Lal Bahadur Shastri, the second Prime Minister of India, was a prominent leader of the freedom movement. A visionary, he was determined to build a new and self-reliant India. His story shows that any goal can be achieved by hard work and determination. Her name alone invokes an image of a warrior woman charging...



Acc. No : 45455

Call No : Fiction SHA-H (Young Learners)

Unipiggle and Princess Pea are so excited to be on holiday! They can't wait to build sandcastles and explore the magical underwater town, Mermaid Springs. But then the king is swept away in a whirlpool. The mermaids think a mysterious undersea creature has taken him, who likes to burp a lot. Can Unipiggle and Princess Pea brave the bubbles to find his lair and save the king? Meet the princess who loves breaking the rules, and her royal unicorn who happens to be a pig. Princess Pea was supposed to choose a unicorn as her royal companion. But during the unicorn parade, there was a storm, and things went a bit wrong. Luckily, Unipiggle saved the princess and the day. Now, Princess Pea and Unipiggle are the best of friends, and they love to go on lots of adventures together. It was lucky the...

Links to Access Library Resources / Services

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

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>



Thank you