

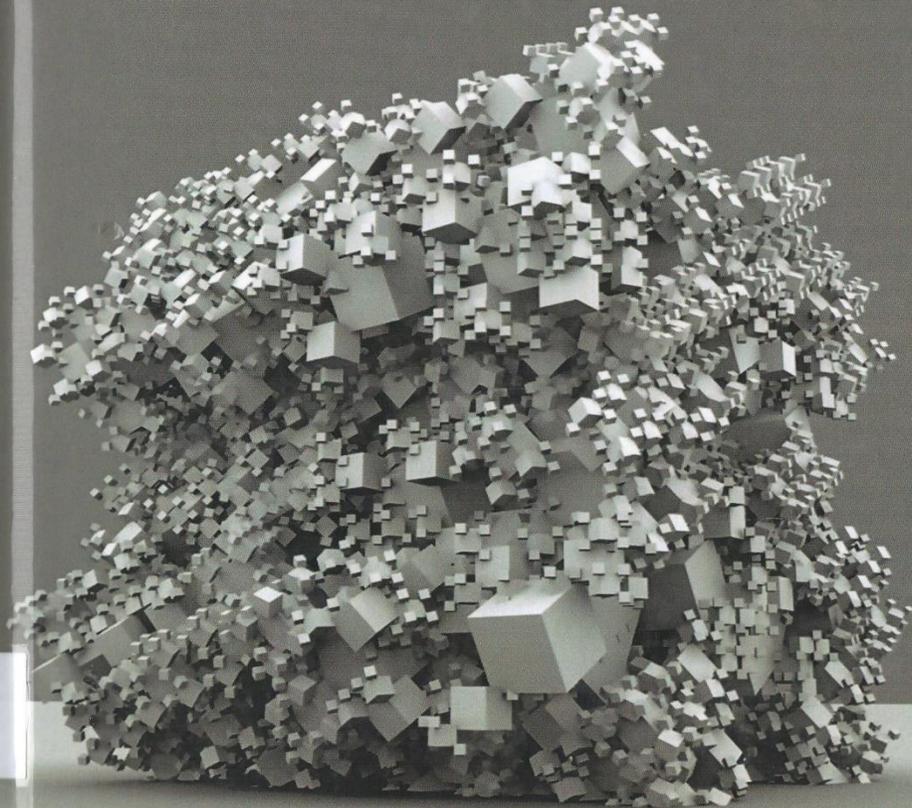


**BITS PILANI – HYDERABAD CAMPUS
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(3 February – 9 February, 2020)**

BITS Pilani
Hyderabad Campus

COMPUTER SIMULATION USING PARTICLES

Satyendar Kumar Gautam



Acc. No : 38390

Call No : 003.3 GAU-S

Computer simulation of systems has become an important tool in scientific research, mathematics, physics, and engineering design, including the simulation of systems through the motion of their constituent particles. Computer simulations reproduce the behaviour of a system using a mathematical model. Computer simulations have become a useful tool for the mathematical modelling of many natural systems in physics, astrophysics, climatology, chemistry and biology, human systems in economics, psychology, social science, and engineering. The simulation of a system is represented as the running of the system's model. It can be used to explore and gain new insights into new technology and to estimate the performance of...

Studies in
NATURAL
LANGUAGE
PROCESSING

LANGUAGE, COGNITION, AND COMPUTATIONAL MODELS

Edited by
Thierry Poibeau
Aline Villavicencio

CAMBRIDGE



Acc. No : 37701

Call No : 006.35 POI-T

How do infants learn a language? Why and how do languages evolve? How do we understand a sentence? This book explores these questions using recent computational models that shed new light on issues related to language and cognition. The chapters in this collection propose original analyses of specific problems and develop computational models that have been tested and evaluated on real data. Featuring contributions from a diverse group of experts, this interdisciplinary book bridges the gap between natural language processing and cognitive sciences. It is divided into three sections, focusing respectively on models of neural and cognitive processing, data driven methods, and social issues in language evolution. This book will be useful to any...



**JILL
ABRAMSON**

Former editor of the *NEW YORK TIMES*

MERCHANTS of TRUTH

**INSIDE THE NEWS
REVOLUTION**

'Amazing. This book is essential for anyone who wants to understand today's media and how it is affecting our society'

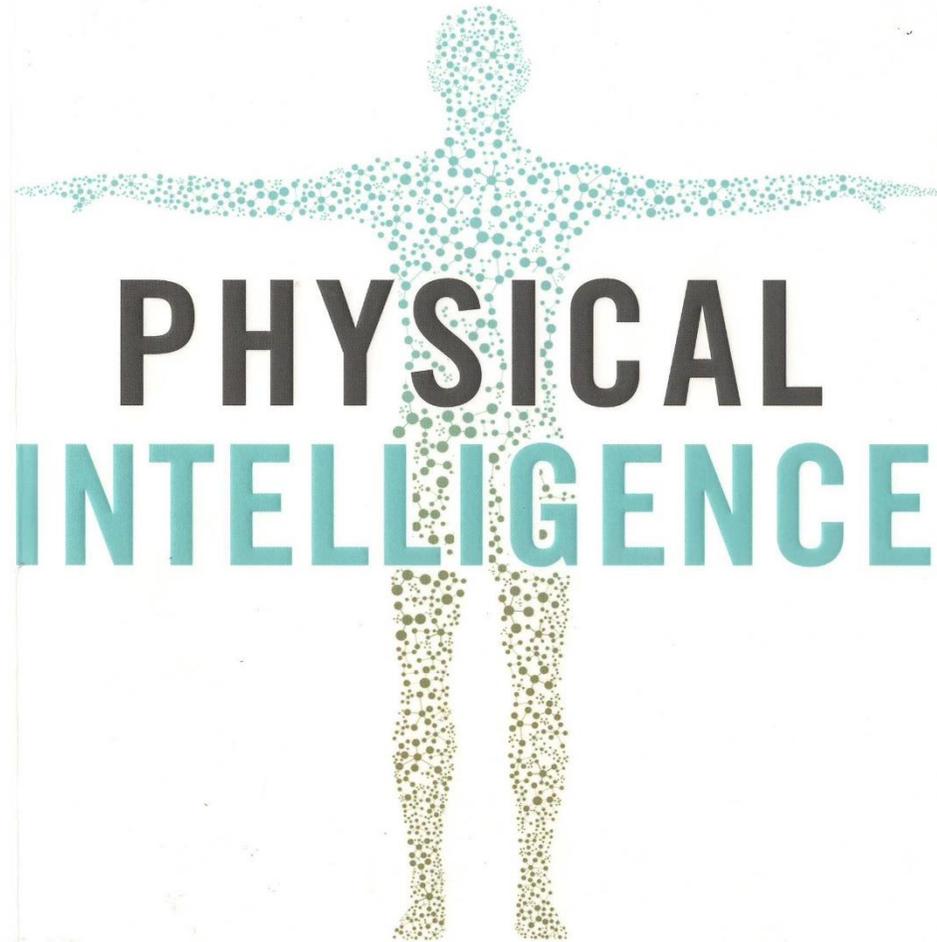
WALTER ISAACSON, author of *Steve Jobs* and *Leonardo da Vinci*

Acc. No : 39700

Call No : 070.4 ABR-J

Merchants of truth by Jill Abramson, former editor of the New York Times, is the gripping and definitive in-the-room account of the revolution that has swept the news industry over the last decade and reshaped our world. Drawing on revelatory access, Abramson takes us behind the scenes at four media titans during the most volatile years in news history. Two are maverick upstarts: BuzzFeed. The brain-child of virtuoso clickbait scientist Jonah Peretti, and Vice, led by the booze-fuelled anarcho-hipster Shane Smith. Their viral technology and disregard for the long-established standards of news journalism allow them to build game-changing billion-dollar businesses out of the millennial taste for puppies and...

Harness your body's untapped intelligence to
achieve more, stress less and live more happily



Claire Dale and Patricia Peyton



Acc. No : 39933

Call No : 152.1 DAL-C

The highly successful four-part strategy for raising your performance at work and home so that you can thrive in a busy, challenging world, from the experts who have worked with fortune 100 and fortune 500 companies across the globe. Do you wish you could be more focused and productive? Would you like to ensure your most confident performance when the stakes are high and your stress levels are even higher? The way your body reacts in any given situation determines your ability to think clearly and your capacity for managing your emotions. When you understand the way your body reacts and how to manage it, your physical intelligence, you can handle that stressful family situation, The make-or-break meeting and...

THE TEENAGER'S GUIDE

TO

THE LIFE, THE UNIVERSE

AND BEING AWESOME

ANDY COPE

WITH JASON TODD, ANDY WHITTAKER AND DARRELL WOODMAN

1083
A



Acc. No : 40009

Call No : 158.1083 COP-A

This book, by the authors of the extraordinary bestseller THE ART OF BEING A BRILLIANT TEENAGER, is a reminder that you are awesome and a prompt for bigger and better things. It asks not what you want from life, but what kind of person you want to be, exposing the key to planning for your future - building your best qualities so you can stand out and live a brilliant, energetic, successful life. You are already the best in the world at being you. This book will help you get even better. This book is a reminder. It puts you centre stage. We're not going to ask the lame question 'what do you want to be when you grow up? We're focused on a much bigger prize, 'what kind of person do you want to be when you grow up? Because that changes...

FACEBOOK SOCIETY



LOSING
OURSELVES
in SHARING
OURSELVES

ROBERTO SIMANOWSKI

Translated by SUSAN H. GILLESPIE



Acc. No : 39717

Call No : 302.3028 SIM-R

Facebook claims that it is building a "global community." Whether this sounds utopian, dystopian, or simply self-promotional, there is no denying that social-media platforms have altered social interaction, political life, and outlooks on the world, even for people who do not regularly use them. In this book, Roberto Simanowski takes Facebook as a starting point to investigate our social-media society-and its insidious consequences for our concept of the self. Simanowski contends that while they are often denounced as outlets for narcissism and self-branding, social networks and the practices they cultivate in fact remake the self in their image. Sharing is the outsourcing of one's experiences, encouraging unreflective self-narration rather than...

The
BAILLIE
GIFFORD
PRIZE FOR
NON-FICTION
2018

SHORTLISTED

How to
Be Human

Hello

in the Age of

the Machine

'Stylish, thoughtful . . .
One of the best books
yet written on data
and algorithms'
The Times

world.

HANNAH FRY



Acc. No : 39199

Call No : 303.483 FRY-H

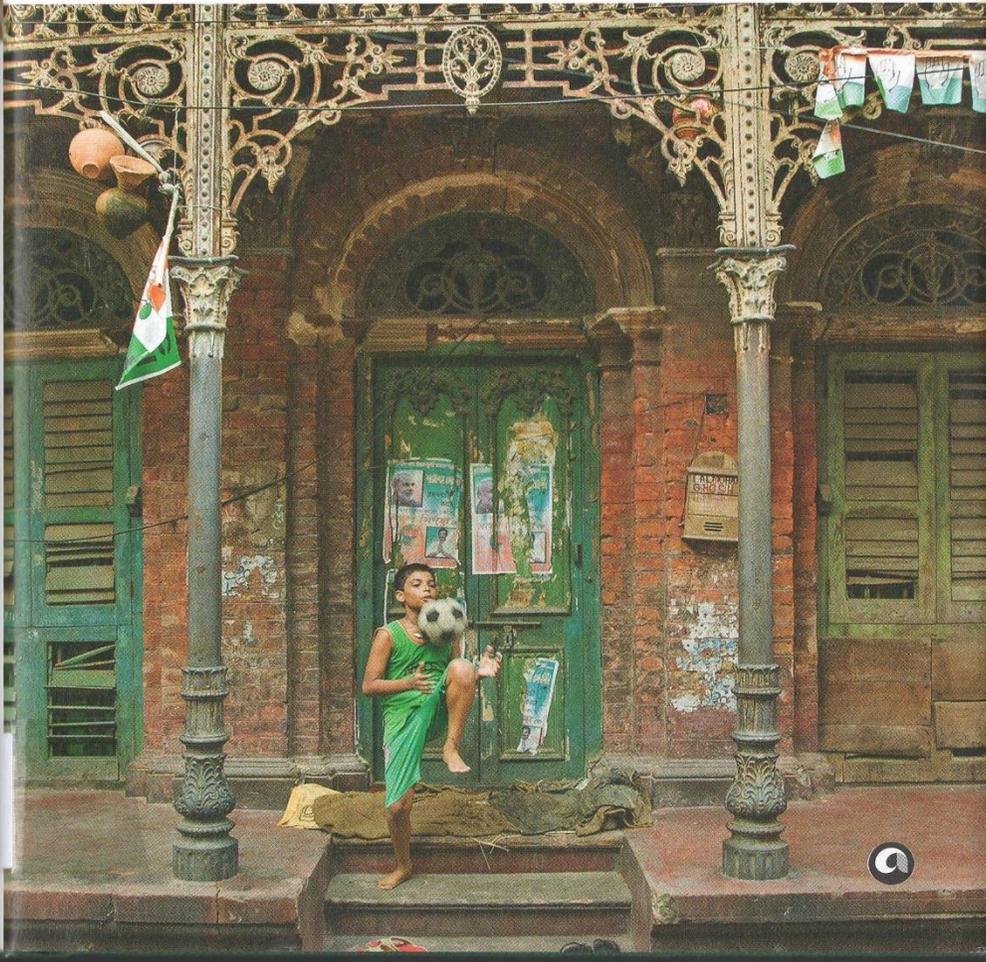
Welcome to the age of the machine, the story of a not-too-distant future where algorithms rule supreme, making decisions about our healthcare, security, what we watch, where we go, even who goes to prison. So how much should we rely on them? What kind of future do we want?" An algorithm is more consistent and less prone to error of judgement. Yet a human can look you in the eye before passing sentence. Welcome to the age of the algorithm, the story of a not-too-distant future where machines rule supreme, making important decisions – in healthcare, transport, finance, security, what we watch, where we go even who we send to prison. So how much should we rely on them? What kind of future do we...

'A fascinating, charming book that will give you insight into why we are the way we are, an enigmatic people.'—PRITISH NANDY

The Bengalis

A PORTRAIT OF A COMMUNITY

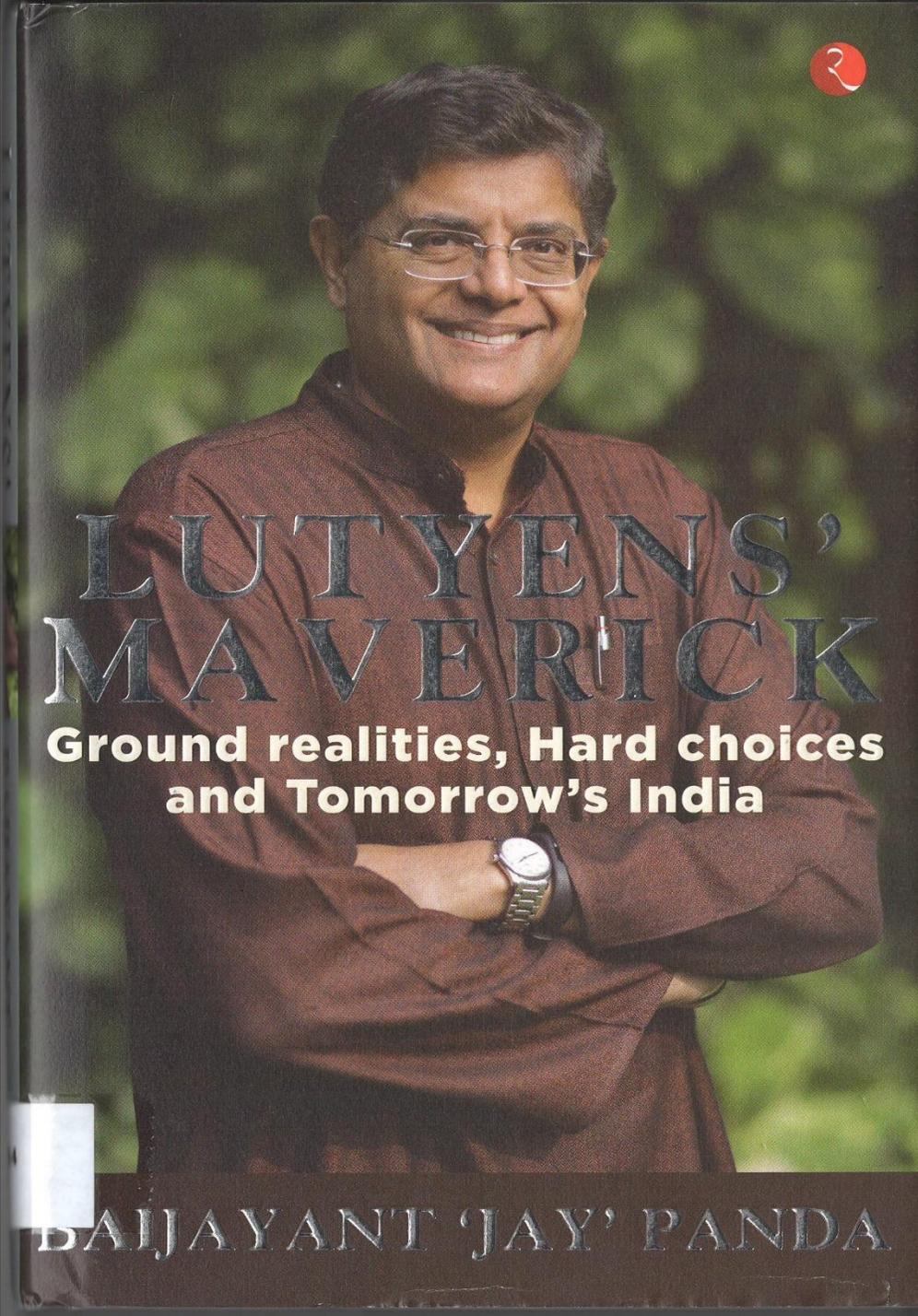
SUDEEP CHAKRAVARTI



Acc. No : 39628

Call No : 305.8009 CHA-S

The Bengalis are the third largest ethno-linguistic group in the world, after the Han Chinese and the Arabs. A quarter of a billion strong and growing, the community has produced three Nobel laureates, world-class scientists, legendary political leaders and revolutionaries, iconic movie stars and directors, and an unending stream of writers, philosophers, painters, poets and musicians of the first rank. But, bald facts aside, just who are the Bengalis? What is the community all about, stereotypically and beyond stereotype? In order to find the answers to these and related questions, the author delves deep into the culture, literature, history and social mores of the Bengalis. He writes with acuity about the many...



Acc. No : 39621

Call No : 320.954 PAN-B

Would India be better served by 'One nation, two elections'? Why should Modi go boldly where no Indian politician has gone before, and reform political funding? Will the disinvestment of Air India erase doubts about NDA government's will to reform? Can Pakistan's new PM deliver a cooling of border tensions? Has the Supreme Court's triple talaq judgement set the country on course to a uniform civil code? Is death penalty the only answer to the horrific rapes across the country? These contentious questions are just a few of the myriad political, economic and social issues that four-time Member of Parliament Baijayant 'Jay' Panda analyses in his latest book, Lutyens' Maverick. Backed by hard facts and indisputable numbers, this publication is...



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**THE
COSTLIEST
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**CHINA'S STRUGGLE
FOR INDIA'S OCEAN**

BERTIL LINTNER

Acc. No : 39081

Call No : 327.5101 LIN-B

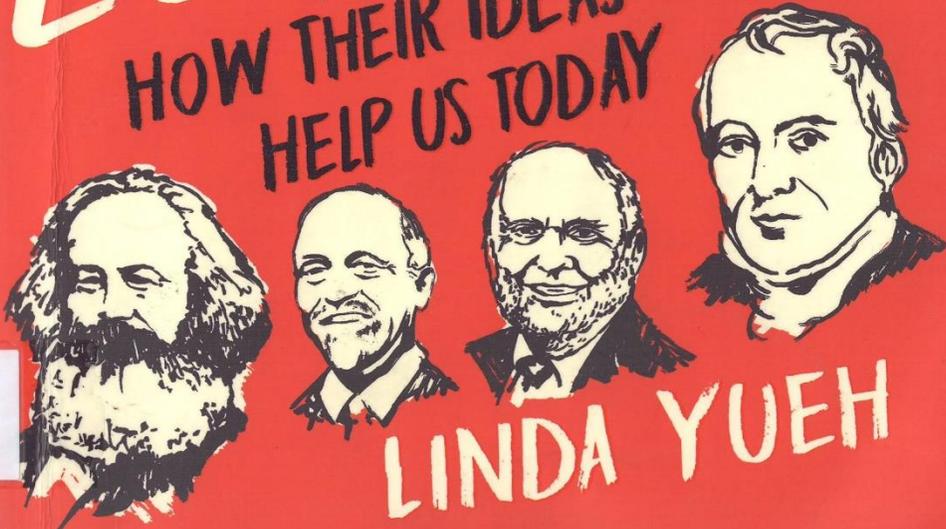
The Indian Ocean's strategic importance to China cannot be underestimated, given the oil, African minerals and container traffic that pass through it. Yet, until now, China has been absent from the region since Admiral Zheng Ze. In the fifteenth century, Zheng's fleet had sailed through these waters, exploring and mapping, in a bid to extend the Celestial Empire's trading and tributary system. Beijing's re-entry into the Indian Ocean after 600 years is part of Xi Jinping's 'Belt and Road' megaproject. He is investing trillions of dollars in infrastructure projects around the Ocean rim, including a military base in Djibouti. This has touched off a new and dangerous confrontation. Ranged against China is an informal alliance of...

'The best place to start to learn about the very greatest economists of all time'
Professor Tyler Cowen, author of *The Complacent Class* and *The Great Stagnation*



THE GREAT ECONOMISTS

HOW THEIR IDEAS CAN
HELP US TODAY



LINDA YUEH



Acc. No : 40092

Call No : 330.092 YUE-L

Since the days of Adam Smith, economists have grappled with a series of familiar problems - but often their ideas are hard to digest, before we even try to apply them to today's issues. Linda Yueh is renowned for her combination of erudition, as an accomplished economist herself, and accessibility, as a leading writer and broadcaster in this field; and in *The Great Economists* she explains the key thoughts of history's greatest economists, how their lives and times affected their ideas, how our lives have been influenced by their work, and how they could help with the policy challenges that we face today. In the light of current economic problems, and in particular economic growth, Yueh explores the thoughts of...



Acc. No : 40051

Call No : 338.7610 KAH-L

A rich narrative with chapters covering values and Apple's progress under Cook' Wall Street Journal. In 2011, Tim Cook took on an impossible task - following in the footsteps of one of history's greatest business visionaries, Steve Jobs. Facing worldwide scrutiny, Cook (who was often described as shy, unassuming and unimaginative) defied all expectations. Under Cook's leadership Apple has soared: its stock has nearly tripled to become the world's first trillion-dollar company. From the massive growth of the iPhone to new victories like the Apple Watch, Cook is leading Apple to a new era of success. But he's also spearheaded a cultural revolution within the company. Since becoming CEO, Cook has introduced a new style of management that...

Tim Cook

The Genius Who Took Apple to the Next Level

Leander Kahney

Bestselling author of *Jony Ive* and *Inside Apple*

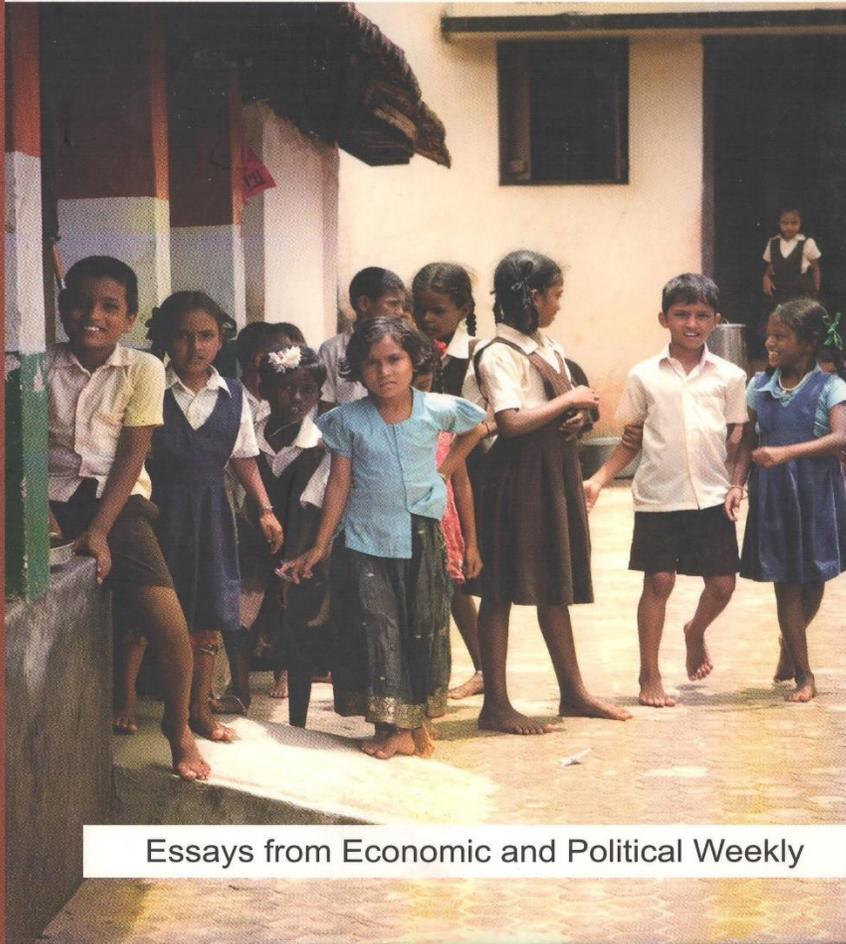


Orient BlackSwan

Edited by

VIMALA RAMACHANDRAN
KAMESHWARI JANDHYALA

Gender and Education



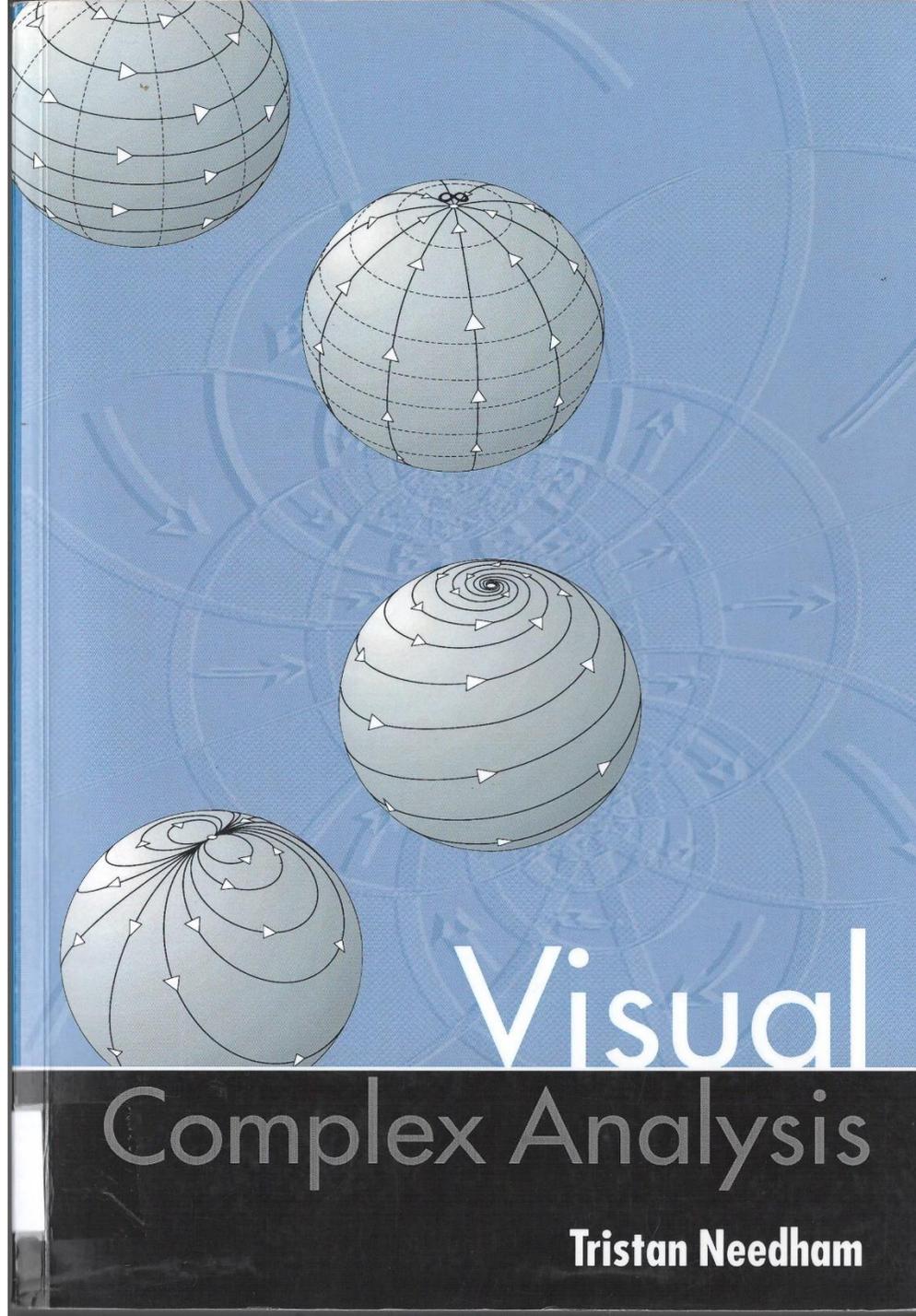
Essays from Economic and Political Weekly



Acc. No : 39463

Call No : 372.954 RAM-V

Education of women and girls in India has been widely debated and discussed since the mid-1900s. In the pre-Independence Phase, women's education was positioned as a necessary driver of modernism, and in independent India, various policies and programmes tried to take the constitutional commitment to equality forward by including girls and marginalised communities within the ambit of education. While the last century has seen a considerable shift in the status of women in Indian society, gender equality in education continues to be influenced by three sets of issues: economy, society and culture; accessibility or availability of formal education; and gender norms. Socio-economic inequalities, connectivity, and...



Acc. No : 39084

Call No : 515.9 NEE-T

The first visually intuitive introduction to complex analysis, this radical approach replaces the standard calculational arguments with new geometric ones. This book is intended for undergraduates in mathematics, physics and engineering. Now available in paperback, this successful radical approach to complex analysis replaces the standard calculational arguments with new geometric ones. With several hundred diagrams, and far fewer prerequisites than usual, this is the first visual intuitive introduction to complex analysis. Although designed for use by undergraduates in mathematics and science, the novelty of the approach will also interest professional mathematicians. The present book openly challenges the current dominance of purely symbolic...



Magnetism in Condensed Matter

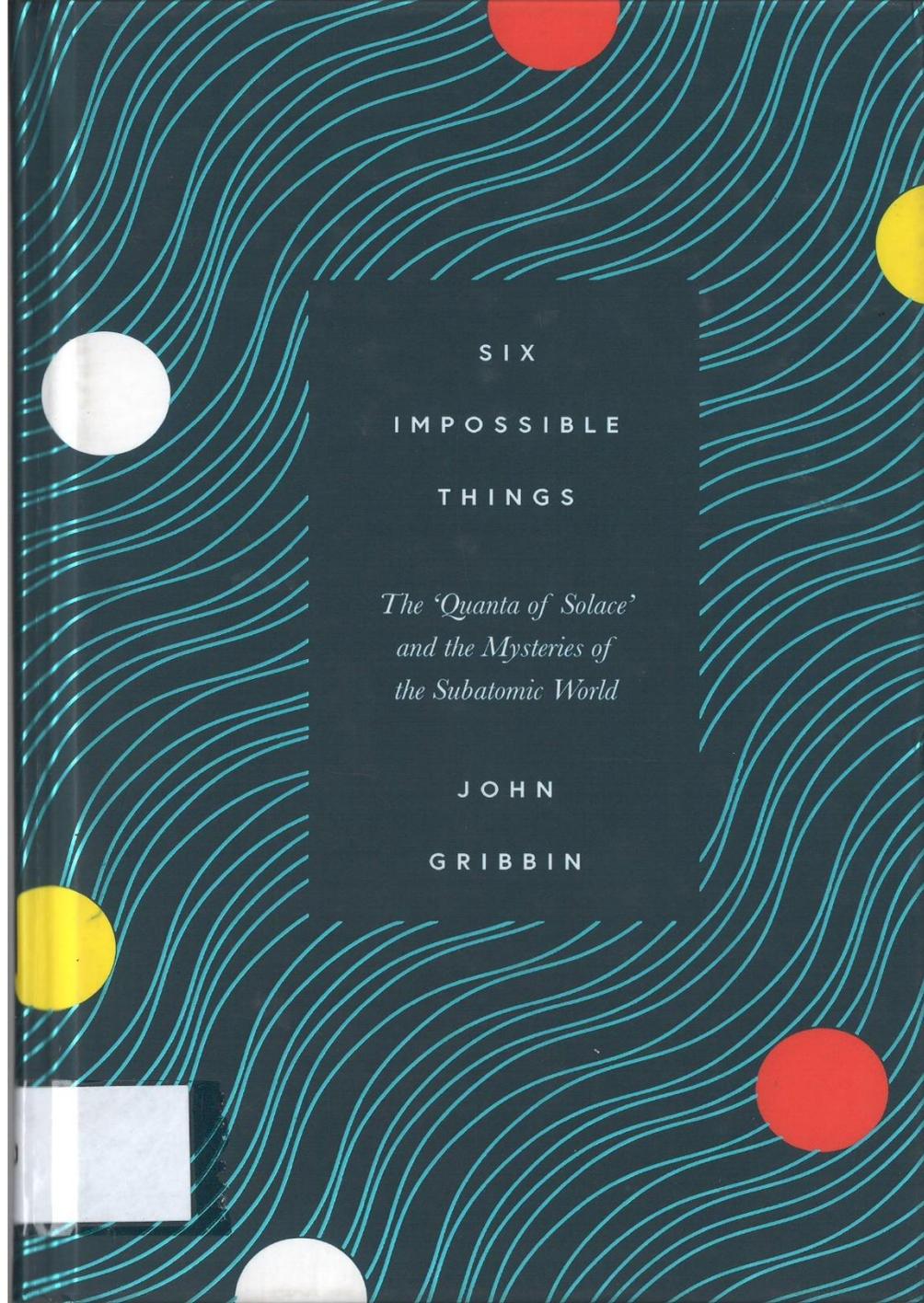
Stephen Blundell



Acc. No : 38058

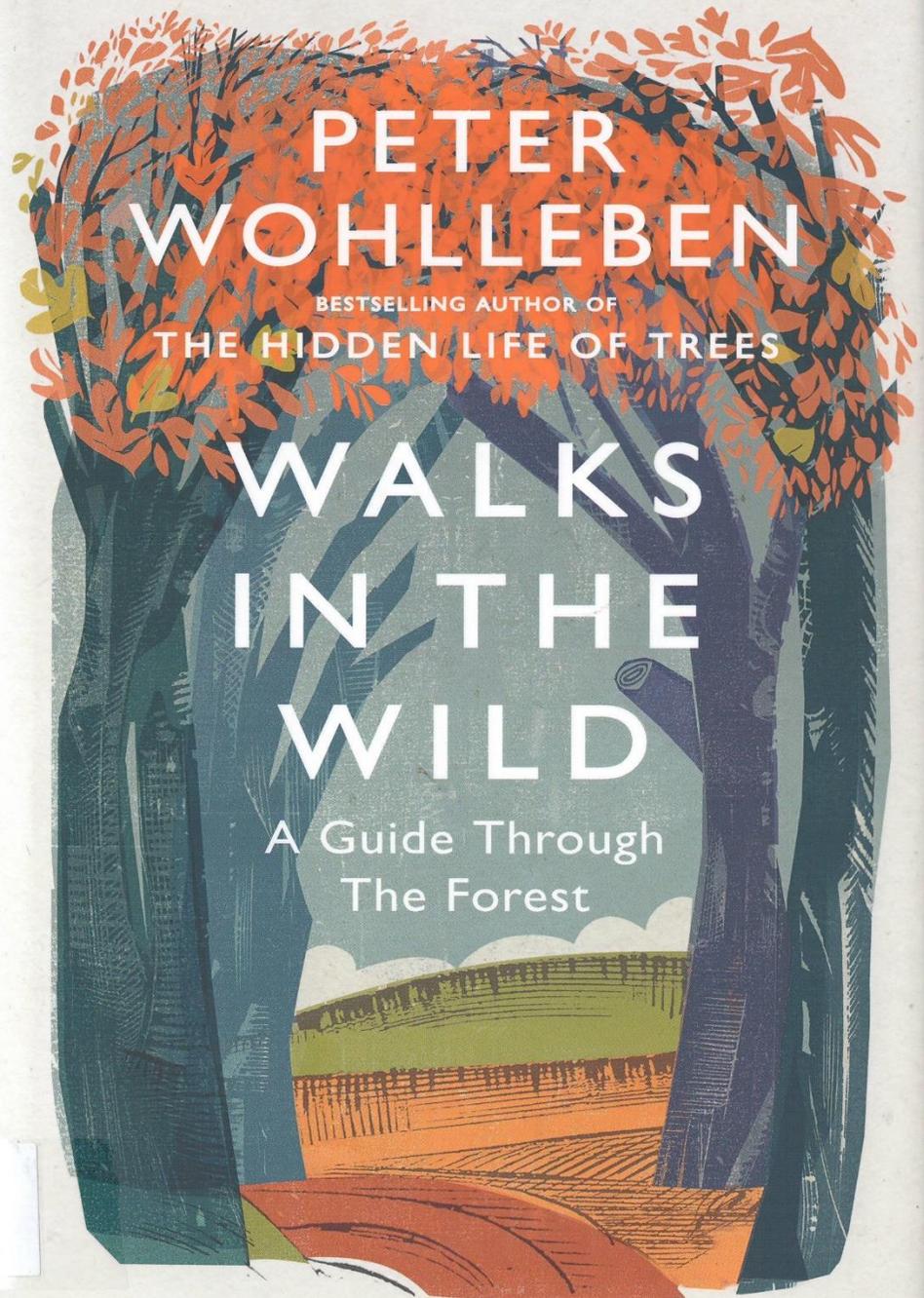
Call No : 530.412 BLU-S

An understanding of the quantum mechanical nature of magnetism has led to the development of new magnetic materials which are used as permanent magnets, sensors, and information storage. Behind these practical applications lie a range of fundamental ideas, including symmetry breaking, order parameters, excitations, frustration, and reduced dimensionality. This superb new textbook presents a logical account of these ideas, starting from basic concepts in electro magnetism and quantum mechanics. It outlines the origin of magnetic moments in atoms and how these moments can be affected by their local environment inside a crystal. The different types of interactions which can be present between magnetic...



Acc. No : 40043
Call No : 539 GRI-J

Quantum physics is strange. It tells us that a particle can be in two places at once. Indeed, that particle is also a wave, and everything in the quantum world can be described entirely in terms of waves, or entirely in terms of particles, whichever you prefer. All of this was clear by the end of the 1920s. But to the great distress of many physicists, let alone ordinary mortals, nobody has ever been able to come up with a common sense explanation of what is going on. Physicists have sought 'quanta of solace' in a variety of more or less convincing interpretations. Popular science master John Gribbin takes us on a delightfully mind-bending tour through the 'big six', from the Copenhagen interpretation via the pilot wave and...



Acc. No : 39730

Call No : 577.3094 WOH-P

Can you tell the difference between wolf and dog prints? Which trees are best to shelter under a storm? How do you tell a deciduous and coniferous tree apart? Bestselling author of *The Hidden Life of Trees*, Peter Wohlleben, lets you in on the quintessential of his forestry knowledge. He invites you on an atmospheric journey of discovery. Learn to find your way around the woods without a compass or GPS, which berries and mushrooms are good to eat, how to read animal tracks and what it's like to spend a night alone in a forest. *Walks in the Wild* has everything you need to make a woodland walk be it spring, summer, autumn or winter into a very special experience. As you can see, things turned out rather...

NEW AGE

SECOND EDITION

FLUID MECHANICS



Baljeet S Kapoor



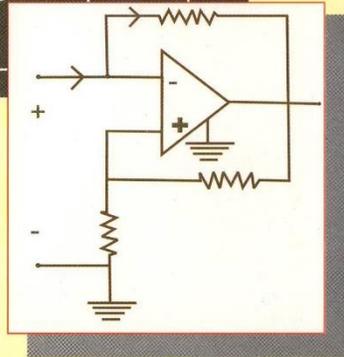
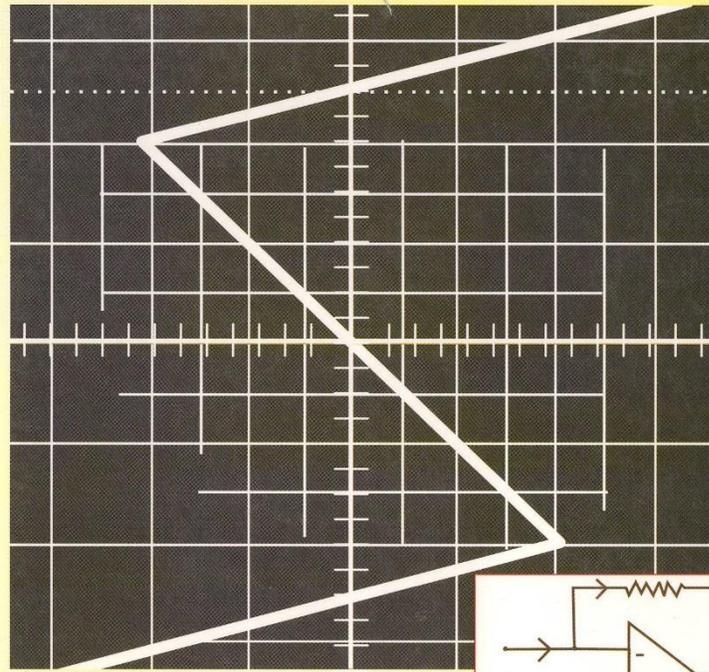
NEW AGE INTERNATIONAL PUBLISHERS



Acc. No : 40151

Call No : 620.106 KAP-B

The book presents in an exhaustive, lucid, unified and a cohesive manner the basic concepts of (incompressible) fluid flow viz fluid properties, Fluid-statics, kinematics and dynamics, Dimensional considerations, Flow through pipes and reservoir problems (one, two and three), Transmission through pipe lines, siphons and nozzles, Flow measurement, Basic equations, Laminar flow, Boundary Layer analysis and Turbulent flow. Emphasis has been laid on the application of the basic principles and concepts of Fluid Mechanics in solving fluid flow problems encountered by the field engineer and to the effect illustrative examples have been comprehensively introduced to enhance the readers understanding of the subject. Simple and concise level...



LEON O. CHUA
CHARLES A. DESOER
ERNEST S. KUH

LINEAR AND NONLINEAR CIRCUITS



INDIAN EDITION

Acc. No : 37989
Call No : 621.3192 CHU-L

Electrical engineering is a discipline driven by inventions and technological breakthroughs. To mention one, 20 years ago, engineers barely knew how to produce an IC chip, now some chips have one million devices, it is expected that with foreseeable developments in silicon technology. Also the ubiquitous presence of the computer terminal reminds us of the enormous impact of computers on engineering design. Clearly such tremendous changes would have considerable influence on engineering education. In teaching a course on introductory electrical circuits, the traditional approach has been to teach exclusively linear time-invariant passive RLC circuits. Admittedly they constitute a good vehicle to learn...



Acc. No : 38902

Call No : 629.8 GUR-H

Motion control is widely used in all types of industries including packaging, assembly, textile, paper, printing, food processing, wood products, machinery, electronics and semiconductor manufacturing. Industrial motion control applications use specialized equipment and require system design and integration. To design such systems, engineers need to be familiar with industrial motion control products; be able to bring together control theory, kinematics, dynamics, electronics, simulation, programming and machine design; apply interdisciplinary knowledge; and deal with practical application issues. Much of the material is available in manufacturer data sheets, manuals, product catalogs, fragments in various college...

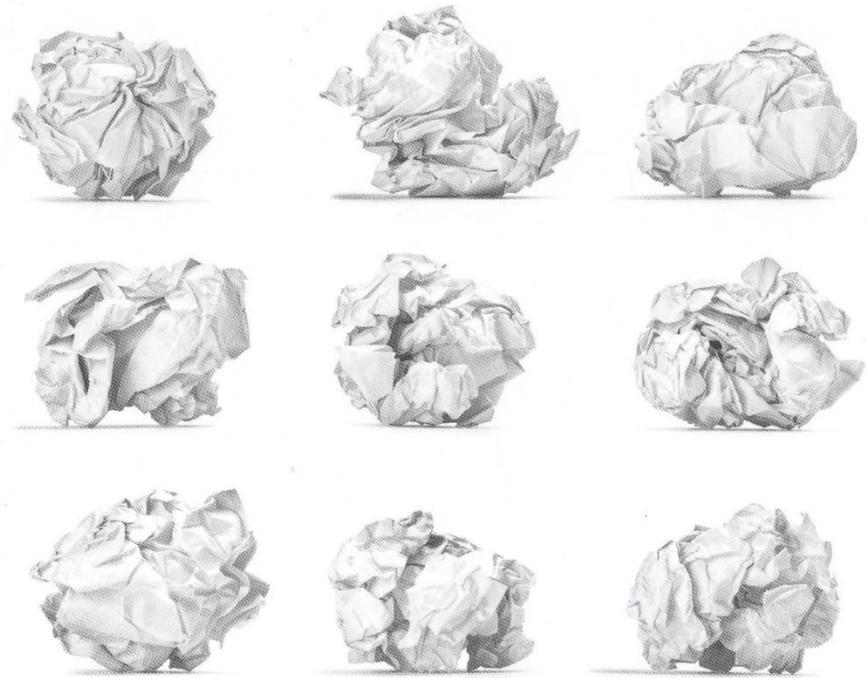
Industrial Motion Control

Motor Selection, Drives,
Controller Tuning, Applications

Hakan Gürocak

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WILEY



Freethinking
A Leader's Guide to the Real World

NINE LIES ABOUT WORK

MARCUS BUCKINGHAM
ASHLEY GOODALL

HARVARD BUSINESS REVIEW PRESS

Acc. No : 40050
Call No : 650 BUC-M

You crave feedback. Your organization's culture is the key to its success. Strategic planning is essential. Your competencies should be measured and your weaknesses shored up. Leadership is a thing. These may sound like basic truths of our work lives today. But actually, they're lies. As strengths guru and bestselling author Marcus Buckingham and Cisco Leadership and Team Intelligence head Ashley Goodall show in this provocative, inspiring book, there are some big lies--distortions, faulty assumptions, wrong thinking--that we encounter every time we show up for work. Nine lies, to be exact. They cause dysfunction and frustration, ultimately resulting in workplaces that are a pale shadow of what they could be. But there are those who can get past...



YOU CAN'T

KNOW

IT ALL

LEADING IN THE AGE
OF DEEP EXPERTISE

92

WANDA T. WALLACE

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Call No : 658.4092 WAL-W

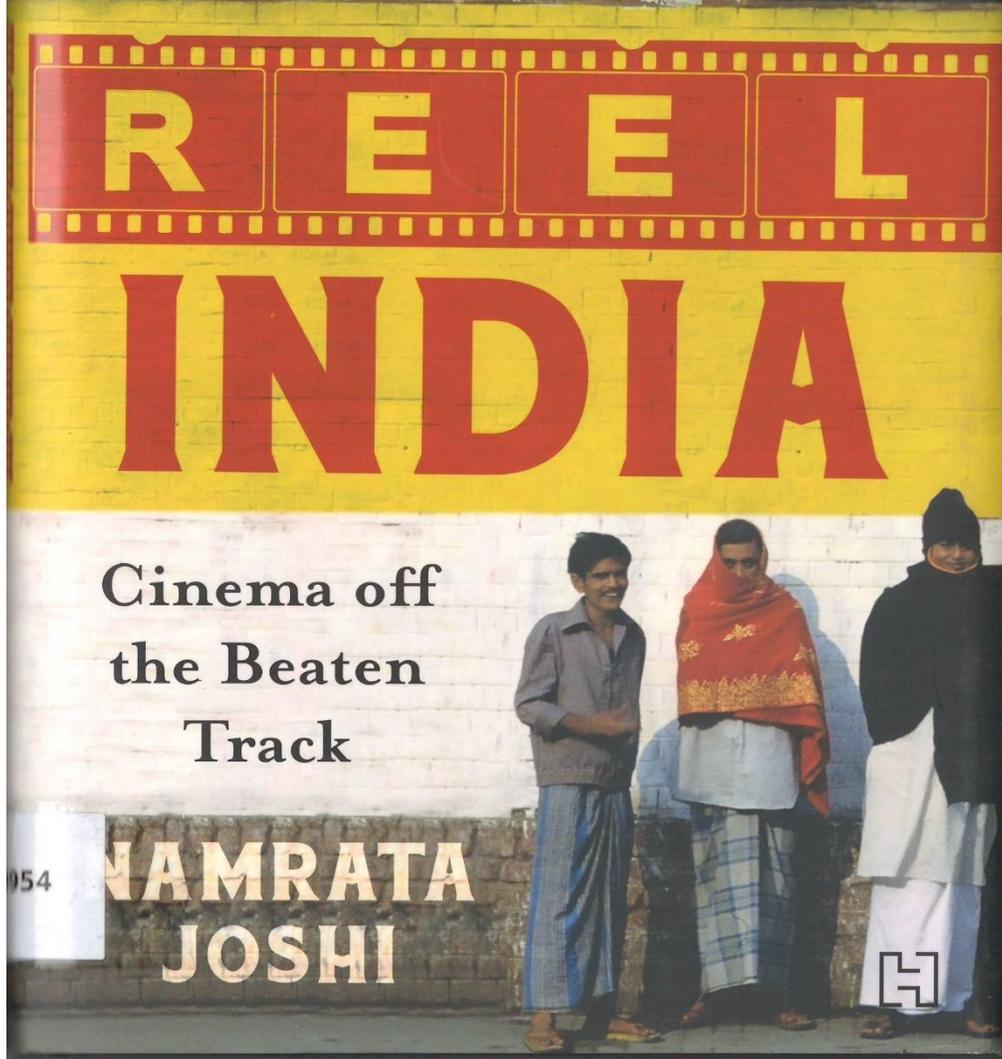
Today's organizations are packed full of experts in every area from marketing to sales to it. Many of these people are also leaders, heading teams or departments. They lead because they know more than the rest of their group. They are followed because of their credibility as experts. Yet, the toughest transition in business comes when expert leaders are asked to move beyond their expertise and lead a larger group, they struggle with how to span a broad area without trying to become the expert in every aspect. In Wanda Wallace's experience, this move from expert to spanning leader requires a new mind-set about how to lead. Wallace explains what few people understanding to add value as a leader when you're spanning an ever growing set of...



Acc. No : 39298

Call No : 791.430954 JOS-N

If there's one experience that unites India, it is cinema. In Reel India, award-winning film critic Namrata Joshi journeys through the interiors of the country intimately chronicling little-known accounts about the nation's incessant obsession with the movies. In Lucknow, she encounters a Shah Rukh Khan fan who has embraced an alternate reality in which he lives and breathes the star. In Wai, she finds an entire economy fuelled by the film industry as the town transforms into a film set. An activist filmmaker in Odisha demonstrates how he teaches local tribal people the basics of his craft, empowering them to train the spotlight on issues threatening their habitat and livelihood. From the fever pitch of the 'first day first show' in makeshift halls to the rivalries of regional...

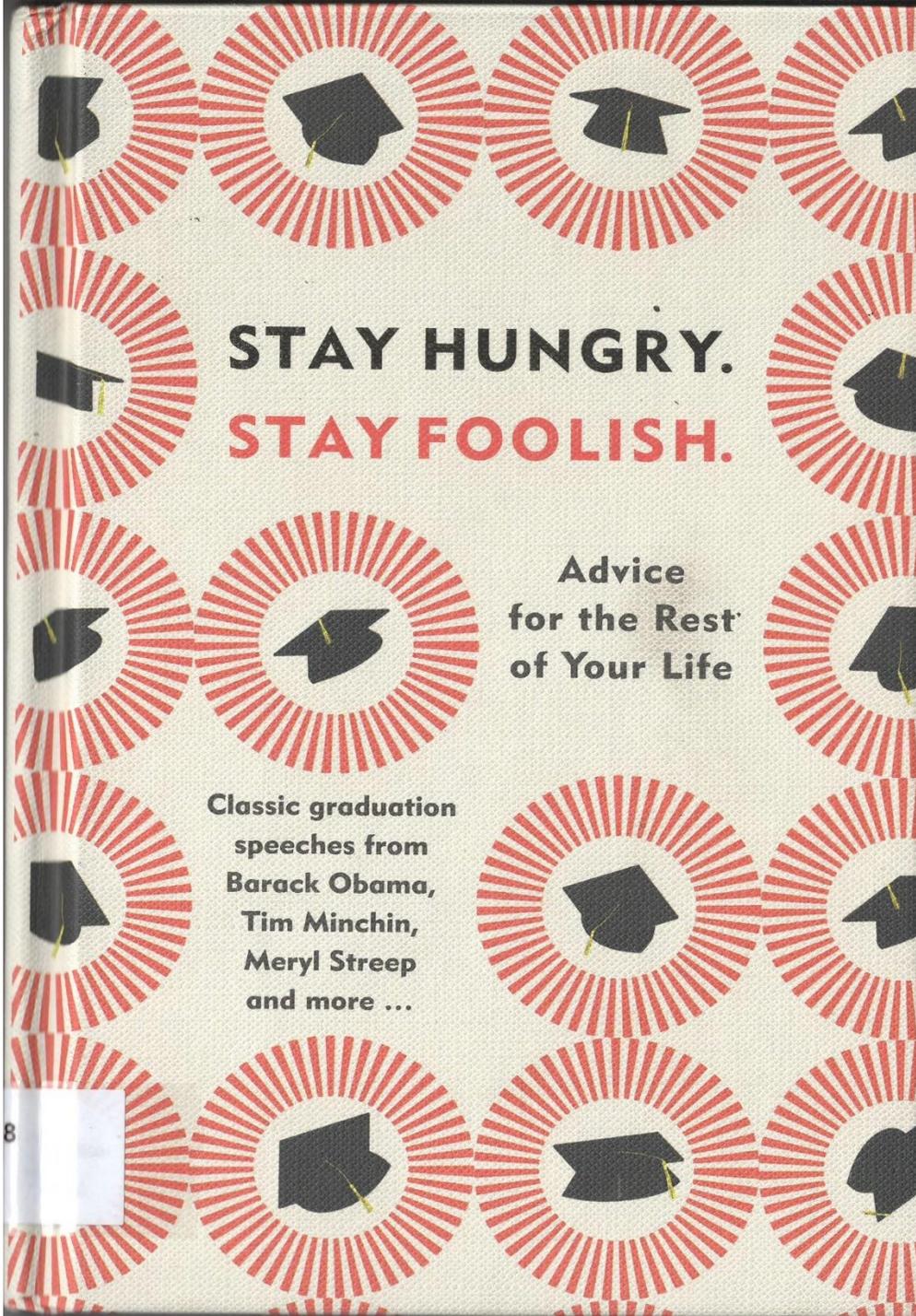




Acc. No : 40030

Call No : 825.0108 PEN

Graduation day is a pivotal moment. After a lifetime of learning, and at least three years of studying hard in a chosen subject, we are thrown headfirst into the unknown world of adulthood. That day – and the months afterwards – are ripe with possibility. They can feel by turns thrilling and rudderless, dreamy and terrifying. It's the perfect time to reflect on the past and look at what's to come. In this collection of carefully curated speeches, hear from leading voices such as Barack Obama, Gloria Steinem and Tim Minchin, and discover their profound advice for the graduating classes of Harvard, Stanford and many more top-class universities, who have gone on to shape the world we live in. Whether you're looking for the perfect graduation...



STAY HUNGRY. STAY FOOLISH.

Advice
for the Rest
of Your Life

Classic graduation
speeches from
Barack Obama,
Tim Minchin,
Meryl Streep
and more ...

FROM THE BESTSELLING AUTHOR OF *SUPERPOWER?*



RAGHAV BAHL

SUPER CENTURY

**WHAT INDIA MUST DO
TO RISE BY 2050**



Acc. No : 39402

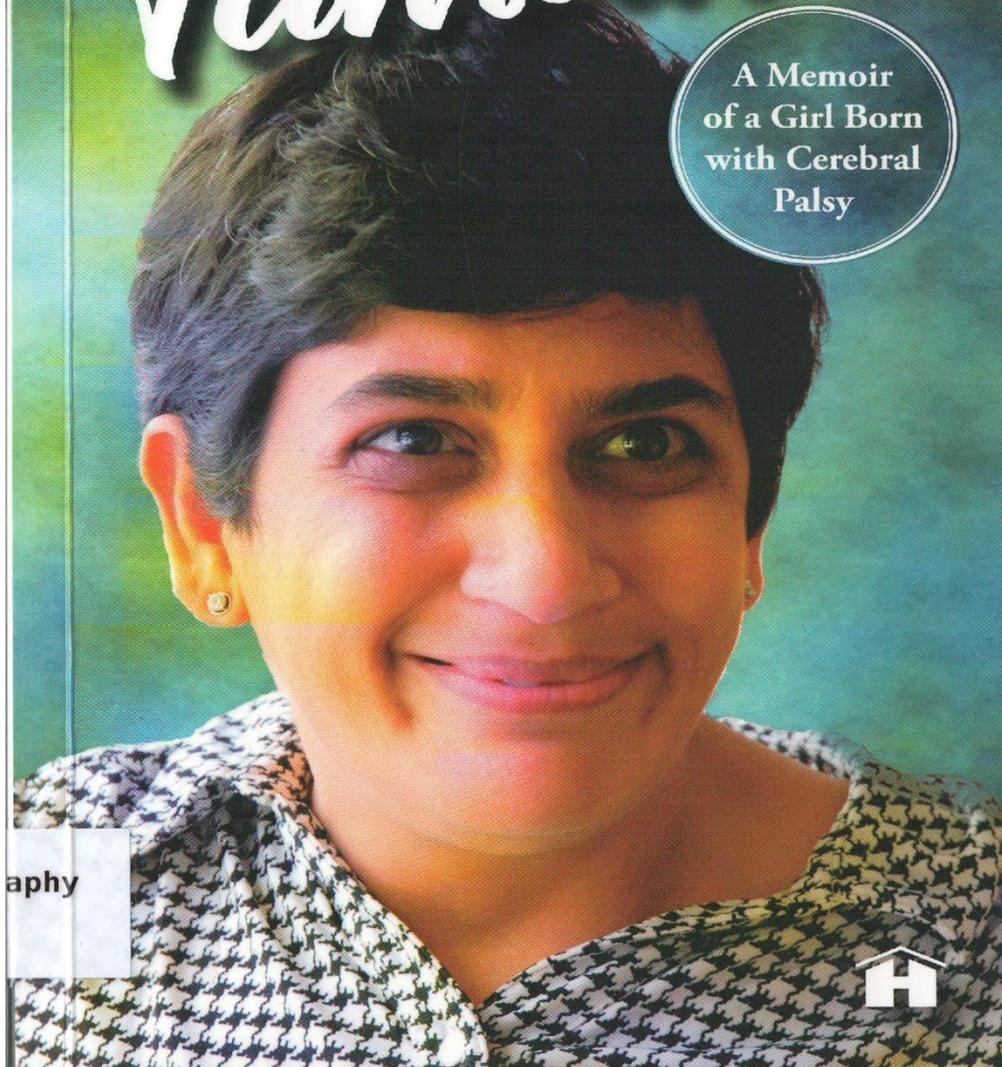
Call No : 954 BAH-R

What is it about the Indian psyche that makes us so incapable of fulfilling our promise as a nation? Why are we so averse to risk, resigned to mediocrity and mired in a collective lack of confidence? India has so much potential but seems forever stuck on the brink of actualization, unable to muster the political will and geo-economic force to clear the final bar. The stakes are higher than ever, and India's moment is now. But where should we turn first-to our troubles at home, or to the global challenges of terrorism, tyranny, ethnic conflict, mass migration, civil war and climate change? The fact is, India's foreign and domestic agendas are inextricably intertwined, and neither can advance without the other. They must be addressed simultaneously if we...

Tamana Chona *with* Aditi Mehrotra

I Am Tamana

A Memoir
of a Girl Born
with Cerebral
Palsy



aphy



Acc. No : 39705

Call No : Biography CHO-T

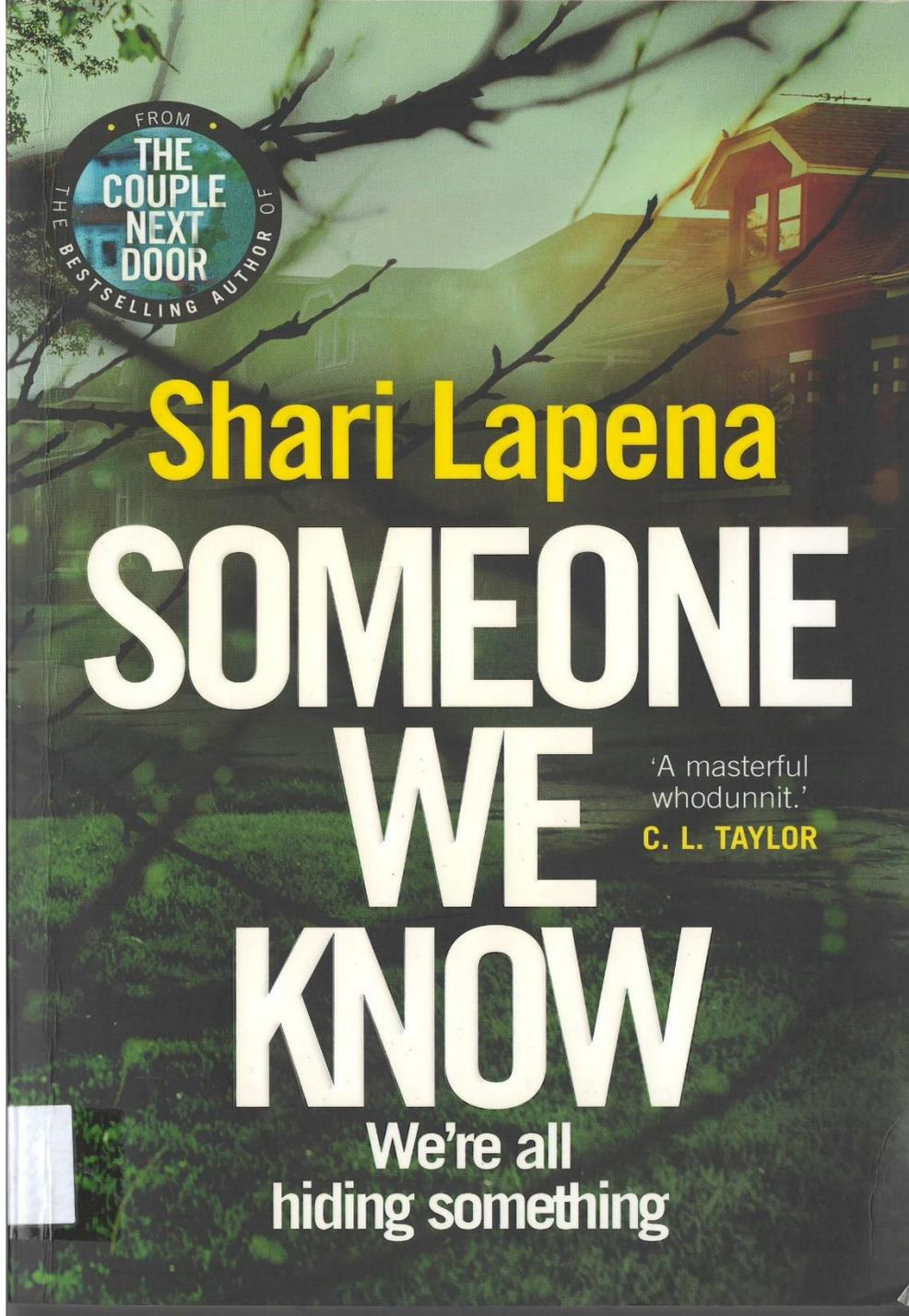
Born with cerebral palsy, tamana chona had delayed milestones. While her progress was slow in the beginning, surrounded by the immense love of a wonderful family and a valiant mother by her side, she emerged from the ashes like a Phoenix. Tamana is a Ray of sunshine. Whether she is hanging out with her friends and family or meeting with the top brass of a country, her calm and positive presence leaves everyone in high spirits. Her journey wasn't an easy one, but she overcame each hurdle with a Spring in her step. Someone who couldn't stand on her own two feet for the first ten years of her life, she now regularly runs marathons. This one-of-a-kind book will inspire you, make you see the world through...



Acc. No : 39340

Call No : Fiction LAP-S

A masterful whodunit, perfectly paced and expertly plotted, that had me guessing all the way through. Like *Desperate Housewives* with bite. I loved it and couldn't put it down.' C L Taylor The gripping new thriller from the No. 1 bestselling author of *The Couple Next Door*. It can be hard keeping secrets in a tight-knit neighbourhood. In a tranquil, leafy suburb of ordinary streets one where everyone is polite and friendly an anonymous note has been left at some of the houses. 'I'm so sorry. My son has been getting into people's houses. He's broken into yours.' Who is this boy, and what might he have uncovered? As whispers start to circulate, suspicion mounts. And when a missing local woman is found murdered, the tension reaches...



When it all unravels
what will they believe?

YOUR TRUTH OR MINE?

TRISHA SAKHLECHA



Acc. No : 39898

Call No : Fiction SAK-T

Your Truth or Mine? is about the dark secrets couples keep from one another and how a marriage unravels, perfect for fans of Lauren North's *The Perfect Betrayal* and Lisa Jewell's *Then She Was Gone*. At their wedding Mia and Roy Kapoor promised to love and cherish each other. Whilst not perfect, their marriage is sacred and their commitment absolute. But a knock at the door changes everything when Roy is questioned over the disappearance of a young woman. As Roy and Mia's life unravels, they must question everything they know about each other if their marriage is to survive. But what if the real truth is not what they, or you, think? Praise from Real Readers 'Excellent debut thriller' 'I loved this book! What a ride' 'Totally gripping from...



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HELP YOUR KIDS WITH English

A UNIQUE STEP-BY-STEP VISUAL GUIDE

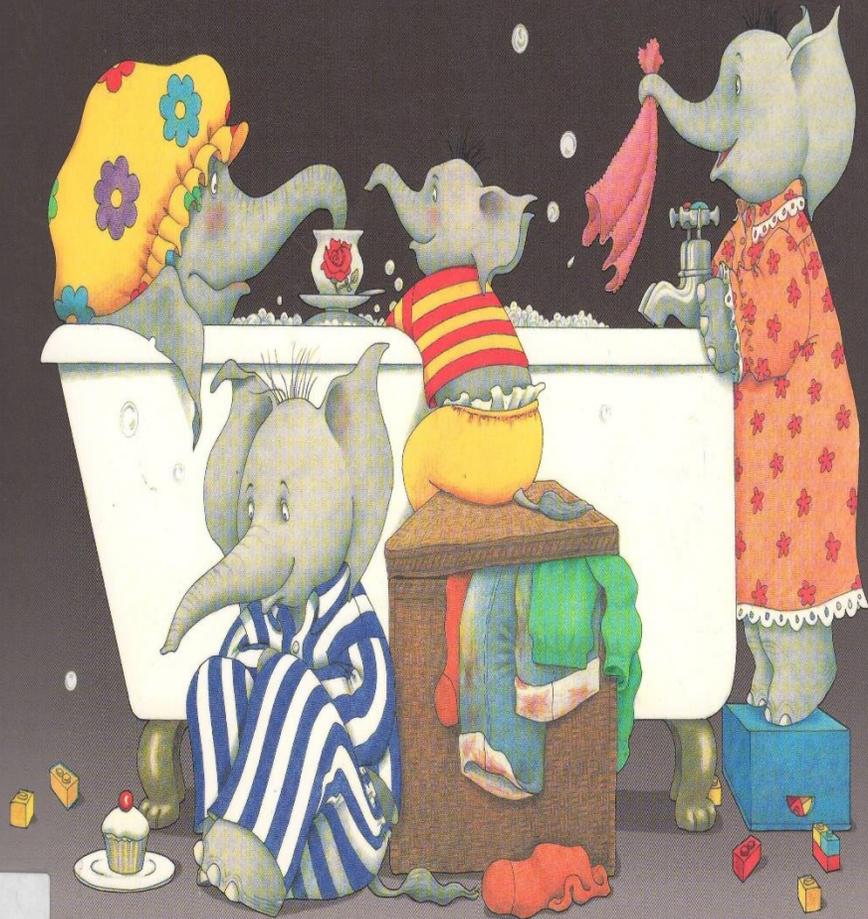
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Acc. No : 39606
Call No : 428.24 PYK-V

Continuing the best-selling "Help Your Kids..." series, this simple, visual guide helps parents and their children to understand and use the English language, including grammar, punctuation, spelling, and communication skills. Carol Vorderman combines pictures, diagrams, and easy-to-follow instructions and examples to cover all the important areas, so you can approach even the most complex English concepts with confidence. Whether you are a kid who wants to structure and write the perfect essay, a parent confused by the words "disinterested" and "uninterested", or a teacher who needs a refresher course in using commas, Help Your Kids With English can help. It also includes colour-coded cross-references on every spread to show links between language ideas, as well as a comprehensive...

★ THE LARGE FAMILY ★

Five Minutes' Peace



JILL MURPHY



Acc. No : 31235

Call No : Fiction MUR-J

Mums everywhere will understand the plight of poor Mrs Large. All she wants is five minutes' peace and quiet away from her boisterous children! So, taking refuge in the bathroom, she fills herself a hot, foamy bubble bath and takes in a tray of her favourite breakfast and the morning paper. But there's never a dull moment with the Large family, and it soon becomes clear that mum's quiet time is to be very short-lived! She poured herself a cup of tea and lay back with her eyes closed. And off she went to downstairs, where she had three minutes and forty five seconds of peace before they all came to join her. Family life is beautifully observed in this warm and funny modern classic from...



7A

7A
Library
Literature
Geography

Thank you