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BITS Pilani
Hyderabad Campus

INTERNET OF EVERYTHING

Key Technologies, Practical Applications
and Security of IoT

Hang Song



Acc. No : 49878

Call No : 004.678 SON-H

This book provides comprehensive coverage on the concepts, frameworks, and underpinning technologies in most aspects of the Internet of Things, and presents them as the foundation on which more advanced topics, such as 5G and mMTC M2M, Edge cloud computing and the modalities of Tactile IoT, Industrial IoT Industry 4.0, Satellite IoT, and Digital Twins, could be built upon. A key feature of the book is the chapter that focuses on security and privacy for individuals, and the IoT Industry 4.0 is discussed. This book is a good reference guide for researchers, developers, integrators, and stakeholders working on research in or development of IoT, particularly where open-source software is deployed. What is IoT on Earth, Development of Internet of Things, Characteristics of Internet of Things, Perceptual...

Roger Penrose

THE
EMPEROR'S
NEW MIND

'The most engaging and creative tour of
modern physics.' *Sunday Times*



OXFORD LANDMARK SCIENCE



Acc. No : 49803

Call No : 006.3 PEN-R

The proponents of artificial intelligence want to prove that it is only a matter of time before computers will be doing everything that a human mind can do. They take it for granted that pleasure and pain, the appreciation of beauty and humor, consciousness and free will are capacities that a computer will display once the appropriate programs or algorithms have been developed. Some disagree, because although electronic computers can calculate very rapidly, that does not make them understand what they are doing any more than, for example, an abacus does. The author puts forward his view that there is some facet of human thinking that can never be emulated by a machine. He shows the physical and mathematical ideas that are the background to his argument from Turing machines...

Foreword by **ABHINAV BINDRA**



125 YEARS OF OLYMPICS

The Ultimate
Trivia and Quiz Book

ANIKET MISHRA



Acc. No : 49504

Call No : 031.02 MIS-A

The Olympic Games bind us like no other performative event. They evoke emotion. They get us attached to entities and athletes from other corners of the globe, and through them, we tend to explore the complexities of life, from its challenges and disappointments to its great pleasures. Friendship, aggression, failure, honor, humiliation, pride, loss, and hope, these are all facets that we imbibe through the Olympics, and thus, it makes for a fascinating indulgence. Those like you and me, who are bitten by the Olympic bug, would spend years reading and researching about them. And because you are reading this, I am assuming you, too, like me, try and test your passion by sitting, viewing, and competing with other aficionados in 'trivial' pursuit, that is, remembering and bouncing off trivia with our...

The Art of Shaping **LIVES**

Mastering Your Own **Destiny**



JAMES ALLEN



Acc. No : 49409

Call No : 133.9 ALL-J

Dive into the profound teachings of James Allen's *The Art of Shaping Lives: Mastering Your Own Destiny*. Within its pages lies a transformative journey through the interconnected realms of Deeds, Character, and Destiny, unveiling the dynamics of Energy and Power. Traverse the depths of the Inner and Outer World of Thoughts, understanding Cause and Effect in Human Conduct. Deliberate on Right Principles while honing the craft of Mind-Building and Life-Building, cultivating Visions and Ideals, and harnessing The Power of Purpose. Embrace the art of Training the Will as you navigate the subtle yet potent allure of Temptation. Allen's wisdom offers a guiding light toward sculpting a destiny of profound significance. Curated and compiled from the works of the author. There is, and always has...



YOU KNOW, YOU CAN, YOU WILL

Success Lessons for Life



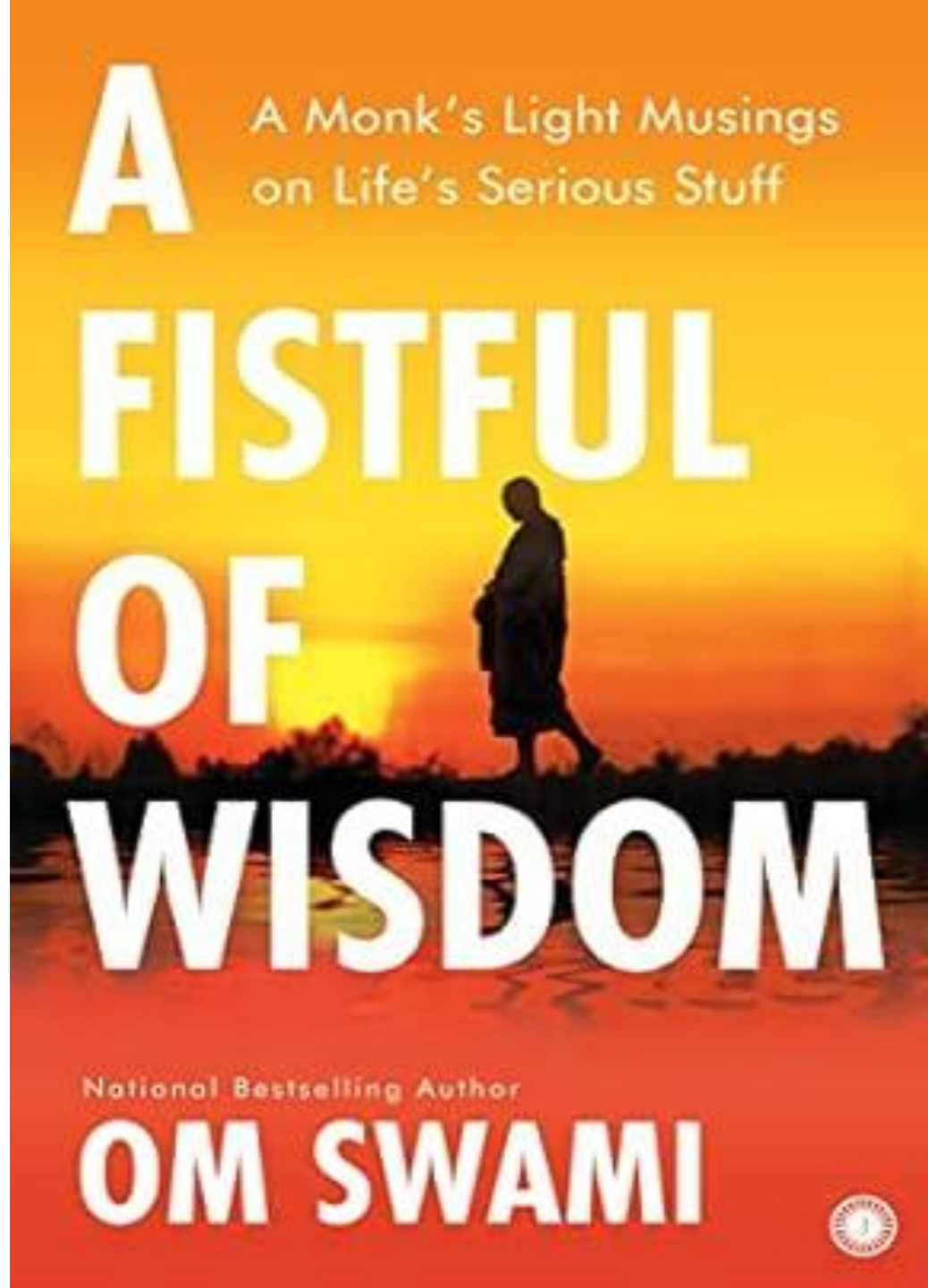
NAPOLEON HILL



Acc. No : 49376

Call No : 158 HIL-N

Unlock the door to your subconscious mind! With Napoleon Hill's profound insights, interlaced with real-life examples and practical advice, harness your potential, develop unshakeable confidence, and chart a course toward your most cherished aspirations. Learn to unleash the power of your thoughts, conquer self-doubt, and take decisive actions that propel you toward your goals. You Know, You Can, You Will is a key that will help you unlock your potential and live a life of fulfilment and accomplishment. The mind of man would lead all the other Miracles of Life if they had been described in the order of their importance, because the mind is the instrument through which man relates himself to all things and circumstances that affect or influence his life. Without doubt, the human mind is...



Acc. No : 49068

Call No : 294.3 SWA-O

A Monk's Light Musing on Life's Serious Stuff What is the total of human life? Are we to keep working towards eternally elusive and expanding goals? In our continuous effort to be more productive and ever progressive, we tend to lose sight of the beautiful side of existence – its simplicity. A Fistful of Wisdom reminds us that life is playful and it is demanding, but it is also a gift, a precious and priceless blessing. The more we learn to appreciate the beauty in simple things, the easier our survival. This book reminds us to observe and appreciate each passing moment and experience the pure joy of just being here and now. Bestselling author and mystic Om Swami doles out simple yet profound wisdom about the true meaning of happiness in his characteristic light-hearted way. Inside these pages, you will find a...



HOW TO



READ PEOPLE



LIKE A BOOK

Understand Anyone's **Body Language**

CHASE HILL



Acc. No : 49493

Call No : 301.14 HIL-C

Stop racking your brain to figure out what others are trying to say. Know how to instantly decode the meaning behind their unspoken messages. Do you ever wish you could read the minds of other people, so you'd know exactly how to respond or act around them? Have you ever gotten into a conflict with someone because you inadvertently misunderstood or misinterpreted what they said? We've always been told that actions speak louder than words, and there is wisdom behind this timeless saying. The good news is, you don't have to be a communication expert, detective, or superhero to learn how to recognize and decode social cues. All you need to do is know exactly what to look for and what they mean. Fortunately, this book contains everything you need to know about deciphering other...



Demand Forecasting for Executives and Professionals

Stephan Kolassa
Bahman Rostami-Tabar
Enno Siemsen

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

Acc. No : 49607

Call No : 330.0112 KOL-S

This book surveys what executives who make decisions based on forecasts and professionals responsible for forecasts should know about forecasting. It discusses how individuals and firms should think about forecasting and guidelines for good practices. It introduces readers to the subject of time series, presents basic and advanced forecasting models, from exponential smoothing across ARIMA to modern Machine Learning methods, and examines human judgment in interpreting numbers and identifying forecasting errors, and how it should be integrated into organizations. This is a great book to start learning about forecasting if you are new to the area or have some preliminary exposure to forecasting. Whether you are a practitioner, either in a role managing a forecasting...



Acc. No : 49080

Call No : 355.02 CUM-A

The Ultimate Guide to the Real Teachings of Sun Tzu The Art of War is the world's most famous military treatise, yet few people have explored what its much-quoted maxims mean. Created for all those who want to study Sun Tzu's teachings in depth and apply his strategic insights in their own lives, this is the first ever step-by-step guide to the ancient Chinese classic, breaking down the enigmatic text into 235 lessons that explain the core concepts more clearly than ever before. Including a full translation of Sun Tzu's original, as well as in-depth commentary that summarizes current academic interpretations of the text, this is the only edition of Art of War to highlight the different perspectives of all recent translators as well as those of the historical commentators. To help you fully absorb the lessons...



A GOOD MONTH FOR MURDER

The Inside Story of a Homicide Squad

DEL QUENTIN WILBER



'SUPERB - ONE OF THE BEST REAL-LIFE COP BOOKS EVER WRITTEN' LEE CHILD

Acc. No : 49808

Call No : 363.259 WIL-D

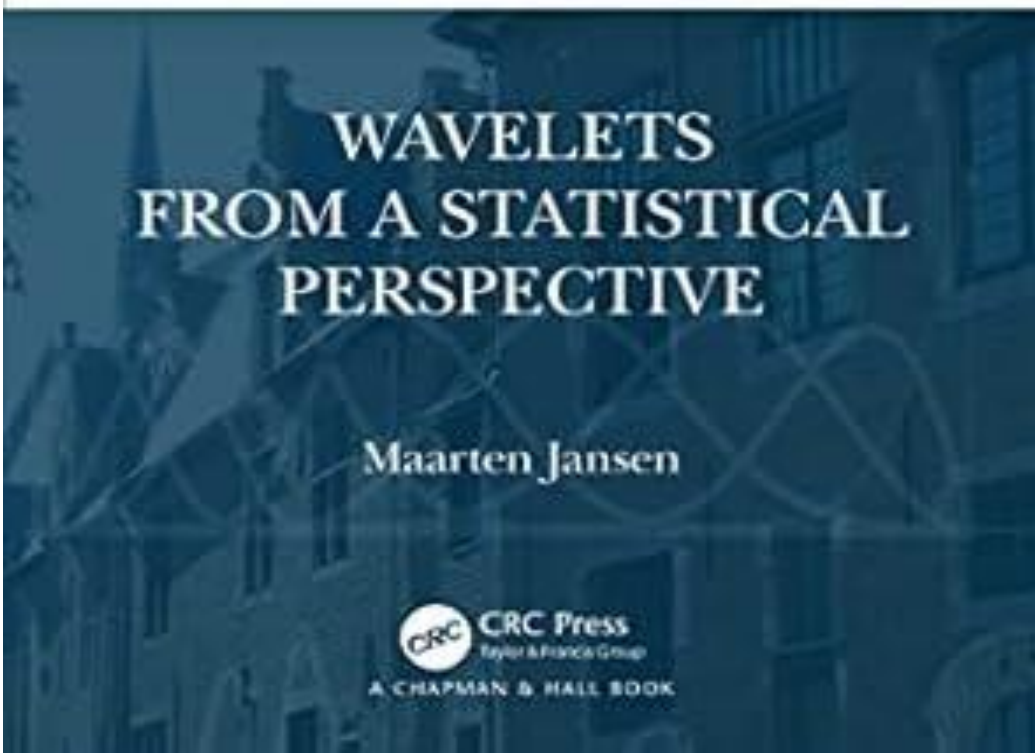
In a true crime cross between James Ellroy and David Simon's *The Wire*, *A Good Month for Murder* follows twelve homicides, three police-involved shootings and the furious hunt for an especially brutal killer in Washington D.C. After gaining unparalleled access to the homicide unit in Prince George's County, which borders the nation's capital, bestselling author Del Quentin Wilber begins shadowing the talented, often quirky detectives who get the call when a body falls. After a quiet couple of months, all hell breaks loose suddenly, and every detective in the squad is scrambling to solve one shooting and stabbing after another. Meanwhile, the entire unit is obsessed with a stone-cold red ball, a high-profile case involving a seventeen-year-old honor student attacked by a gunman who kicked down the...



Acc. No : 49603

Call No : 515.7 JAN-M

Wavelets from a Statistical Perspective offers a modern, 2nd generation look on wavelets, far beyond the rigid setting of the equispaced, dyadic wavelets in the early days. With the methods of this book, based on the lifting scheme, researchers can set up a wavelet or another multiresolution analysis adapted to their data, ranging from images to scattered data or other irregularly spaced observations. Whereas classical wavelets stand a bit apart from other nonparametric methods, this book adds a multiscale touch to your spline, kernel, or local polynomial smoothing procedure, thereby extending its applicability to nonlinear, nonparametric processing for piecewise smooth data. One of the chapters of the book constructs B-spline wavelets on non-equispaced...





SUPERMASSIVE BLACK HOLES



ANDREW KING

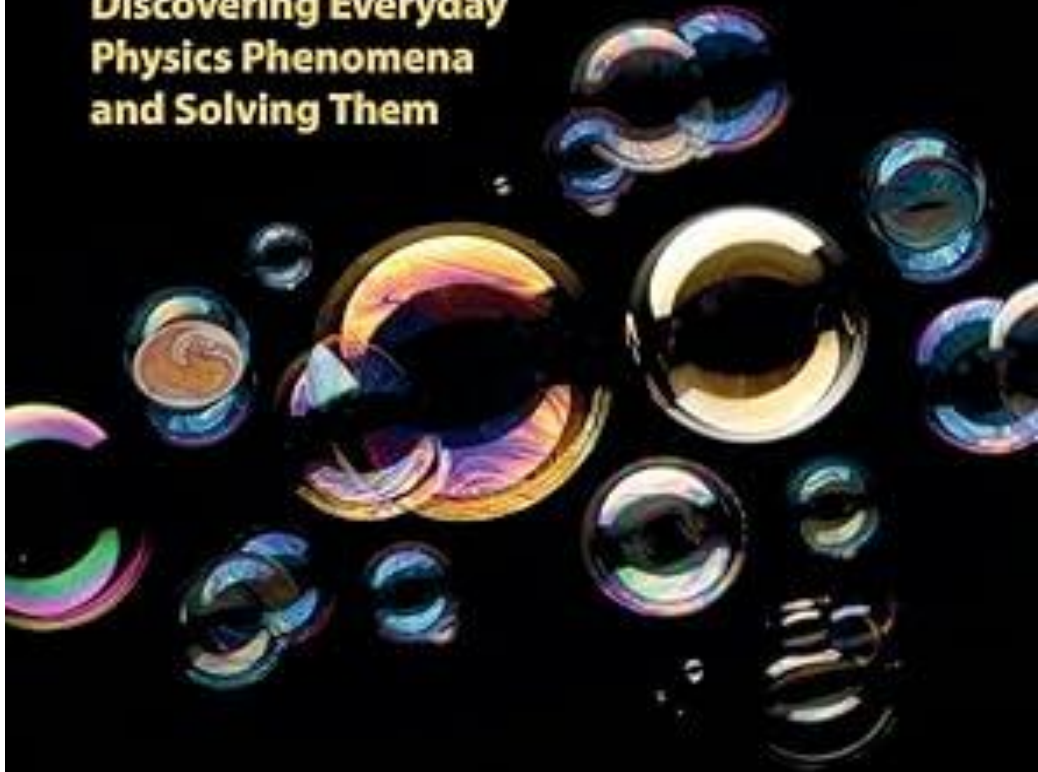
Acc. No : 49933

Call No : 523.8875 KIN-A

Written by an international leader in the field, this is a coherent and accessible account of the concepts that are now vital for understanding cutting-edge work on supermassive black holes. These include accretion disc misalignment, disc breaking and tearing, chaotic accretion, the merging of binary supermassive holes, the demographics of supermassive black holes, and the defining effects of feedback on their host galaxies. The treatment is largely analytic and gives in-depth discussions of the underlying physics, including gas dynamics, ideal and non-ideal magnetohydrodynamics, force-free electrodynamics, accretion disc physics, and the properties of the Kerr metric. It stresses aspects where conventional assumptions may be inappropriate and encourages the reader to think critically about...

FASCINATING PROBLEMS FOR YOUNG PHYSICISTS

Discovering Everyday
Physics Phenomena
and Solving Them



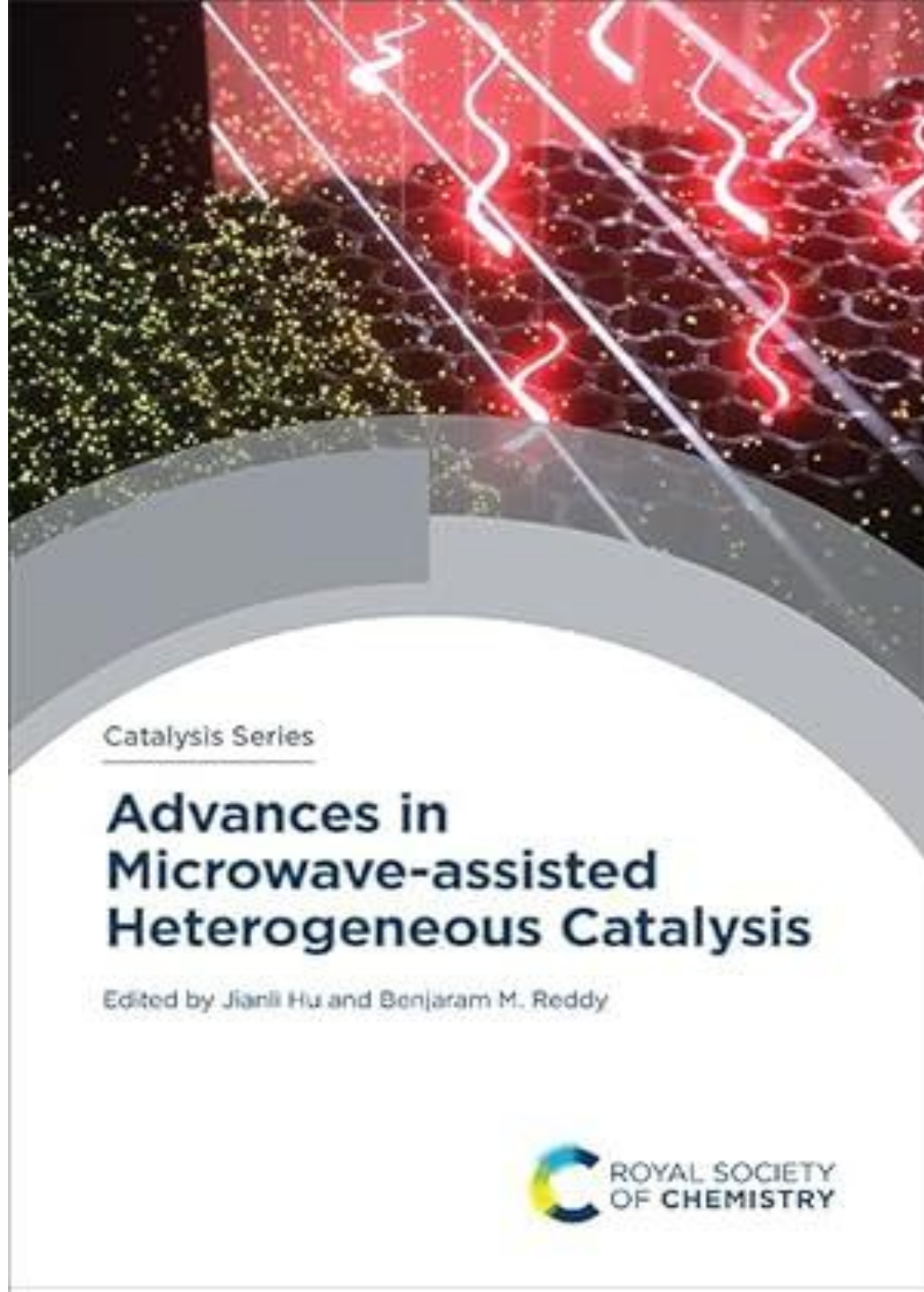
NENAD VUKMIROVIĆ AND VLADIMIR VELJIĆ



Acc. No : 49914

Call No : 530 VUK-N

Problem-solving is the cornerstone of all walks of scientific research. Fascinating Problems for Young Physicists attempts to clear the boundaries of seemingly abstract physical laws and their tangible effects through a step-by-step approach to physics in the world around us. It consists of 42 problems with detailed solutions, each describing a specific, interesting physical phenomenon. Each problem is further divided into questions designed to guide the reader through, encouraging engagement with and learning the physics behind the phenomenon. By solving the problems, the reader will be able to discover, for example, what the relation is between the mass of an animal and its expected lifetime, or what the efficiency limit is of wind turbines. Intended for first-year undergraduate...



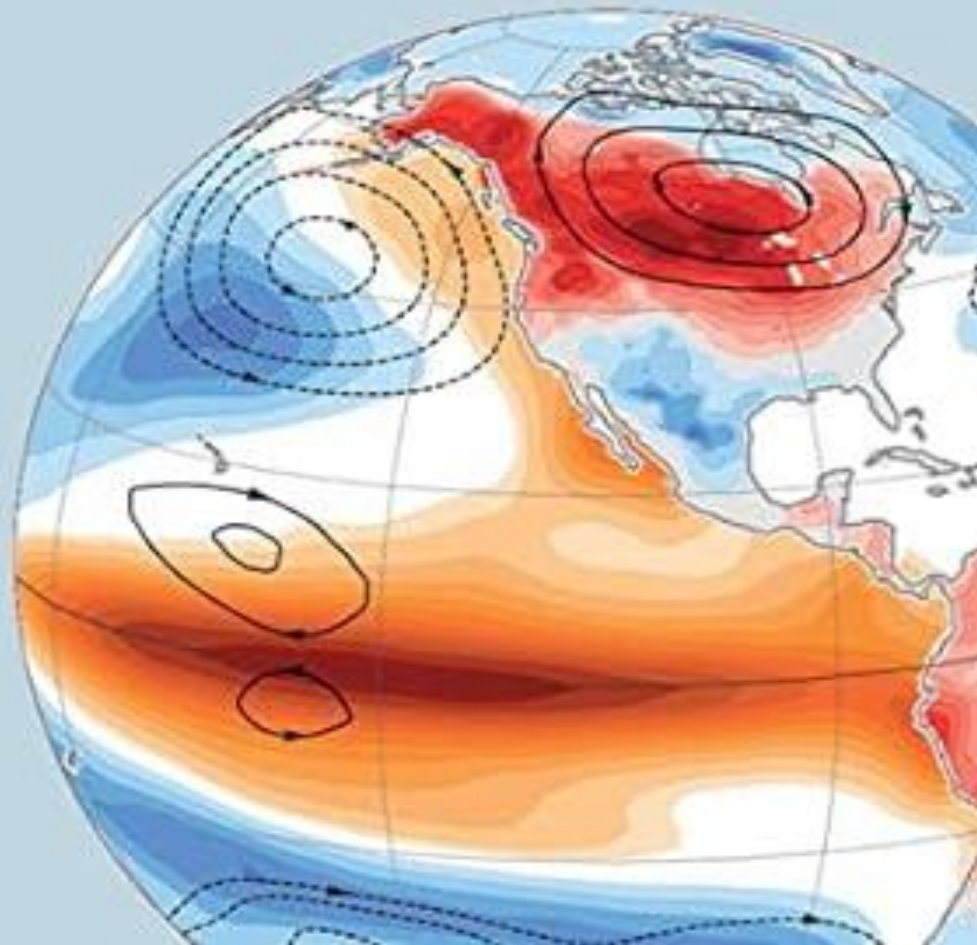
Acc. No : 49892

Call No : 543.02 HU-J

Historically, the field of heterogeneous catalysis has focused on the design and optimization of the catalytic materials. However, as these optimizations start to reach diminishing returns, attention has turned to non-conventional means for improving reaction conditions, such as the use of ultrasound, plasma, electromagnetic heating, and microwave heating. Microwave-assisted catalysis has been demonstrated to be useful in a wide range of applications, including ammonia synthesis, desulfurization, and the production of chemicals from biomass. **Advances in Microwave-assisted Heterogeneous Catalysis** begins with the basics of microwave heating and the role of microwaves in heterogeneous catalysis. It goes on to cover the mechanisms of microwave-specific reaction rate...

Statistical Methods for Climate Scientists

TIMOTHY M. DELSOLE
MICHAEL K. TIPPETT



Acc. No : 49932

Call No : 551.6015118 DEL-T

A comprehensive introduction to the most commonly used statistical methods relevant in atmospheric, oceanic, and climate sciences. Each method is described step-by-step using plain language and illustrated with concrete examples, with relevant statistical and scientific concepts explained as needed. Particular attention is paid to nuances and pitfalls, with sufficient detail to enable the reader to write relevant code. Topics covered include hypothesis testing, time series analysis, linear regression, data assimilation, extreme value analysis, Principal Component Analysis, Canonical Correlation Analysis, Predictable Component Analysis, and Covariance Discriminant Analysis. The specific statistical challenges that arise in climate applications are also discussed, including model selection problems...

COGNITIVE NEUROSCIENCE

Fifth Edition



Marie T. Banich and Rebecca J. Compton



Acc. No : 49903

Call No : 612.8233 BAN-M

Now in its fifth edition, this accessible and comprehensive text highlights the most important theoretical, conceptual, and methodological issues in cognitive neuroscience. Written by two experienced researchers who excel at teaching, the consistent narrative ensures that concepts are linked across chapters, and the careful selection of topics enables readers to grasp the big picture without getting distracted by details. Clinical applications such as developmental disorders, brain injuries, and dementias are highlighted. In addition, the analogies and examples, opening case studies, and In Focus boxes both engage and demonstrate the relevance of the material to real-world concerns. Revised for even greater clarity, the fifth edition features new and updated artwork, Key...

STEVEN L. BRUNTON • J. NATHAN KUTZ

DATA-DRIVEN SCIENCE AND ENGINEERING

Machine Learning,
Dynamical Systems, and Control

SECOND EDITION



Acc. No : 49906

Call No : 620.00285 BRU-S

Data-driven discovery is revolutionizing how we model, predict, and control complex systems. Now with Python and MATLAB®, this textbook trains mathematical scientists and engineers for the next generation of scientific discovery by offering a broad overview of the growing intersection of data-driven methods, machine learning, applied optimization, and classical fields of engineering mathematics and mathematical physics. With a focus on integrating dynamical systems modeling and control with modern methods in applied machine learning, this text includes methods that were chosen for their relevance, simplicity, and generality. Topics range from introductory to research-level material, making it accessible to advanced undergraduate and beginning graduate students from the engineering and...



SMART 3D NANOPRINTING

Fundamentals, Materials,
and Applications

Edited by
Ajit Behera
Tuan Anh Nguyen
Ram K. Gupta



Acc. No : 49573

Call No : 621.988 BEH-A

Examining smart 3D printing at the nanoscale, this book discusses various methods of fabrication, the presence of inherent defects and their annihilation, property analysis, and emerging applications across an array of industries. The book serves to bridge the gap between the concept of nanotechnology and the tailorable properties of smart 3D-print products. Covers surface and interface analysis and smart technologies in 3D Nano printing. Details different materials, such as polymers, metals, semiconductors, glass ceramics, and composites, as well as their selection criteria, fabrication, and defect analysis at the nanoscale. Describes optimization and modeling, and the effect of machine parameters on 3D-printed products. Discusses critical barriers and opportunities. Explores emerging...

Green Energy and Technology

Jie Lin
Kian Jon Chua

Indirect Dew-Point Evaporative Cooling: Principles and Applications

 Springer



Acc. No : 49845

Call No : 628 LIN-J

This book systematically discusses state-of-the-art dew-point evaporative cooling and provides key insights into current research efforts and future research interests. Novel energy-efficient and environment-friendly cooling technologies are essential to reduce the sharply rising energy consumption and greenhouse gas emissions and achieve carbon neutrality. Conventional air-conditioners, which adopt a vapor compression cycle, are neither energy-efficient nor sustainable due to the use of compressors and chemical refrigerants, as well as their intrinsic coupling of sensible and latent cooling loads. With the merits of high energy efficiency and the ability to decouple cooling loads without using chemical refrigerants, indirect dew-point evaporative cooling provides an ideal alternative solution to air...

"Ultralearning is like a superpower in our competitive economy.
Read this book! It will change your life."
Cal Newport, author of *Digital Minimalism* and *Deep Work*



ULTRALEARNING



Accelerate Your Career,
Master Hard Skills and
Outsmart the Competition

SCOTT H. YOUNG



Acc. No : 49835

Call No : 650.1 YOU-S

Future-proof your career and maximize your competitive advantage by learning the skills necessary to stay relevant, reinvent yourself, and adapt to whatever the workplace throws your way in this essential guide. Faced with tumultuous economic times and rapid technological change, staying ahead in your career depends on continual learning and a lifelong mastery of new ideas, subjects, and skills. If you want to accomplish more and stand apart from everyone else, you need to become an ultra learner. Scott Young incorporates the latest research about the most effective learning methods and the stories of other ultra learners like himself, among them Ben Franklin, Judit Polgar, and Richard Feynman, as well as a host of others, such as little-known modern polymaths like Nigel Richards...

50 CODES THAT CHANGED THE WORLD

Discover and solve the ciphers
that altered history



SINCLAIR McKAY

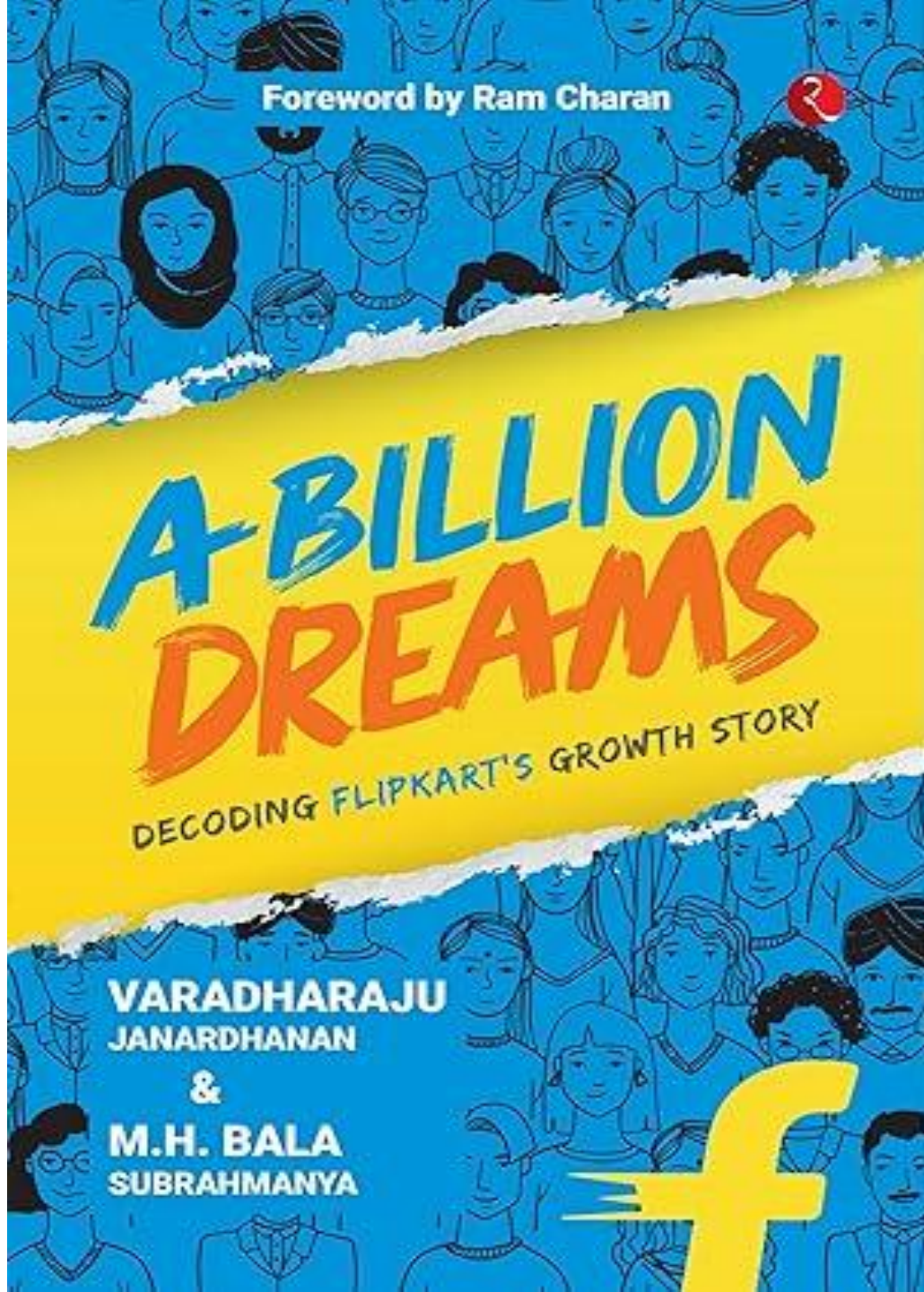
The Sunday Times bestselling author



Acc. No : 49296

Call No : 652.8 MCK-S

There have been secret codes since before the Old Testament, and there were secret codes in the Old Testament, too. Almost as soon as writing was invented, so too were the devious means to hide messages and keep them under the wraps of secrecy. In *50 Codes that Changed the World*, Sinclair McKay explores these uncrackable codes, secret ciphers, and hidden messages from across time to tell a new history of a secret world. From the temples of Ancient Greece to the court of Elizabeth I, from antique manuscripts whose codes might hold prophecies of doom to the modern realm of quantum mechanics, you will see how a few concealed words could help to win wars, spark revolutions, and even change the faces of great nations. Here is the complete guide to the hidden world of codebreaking...



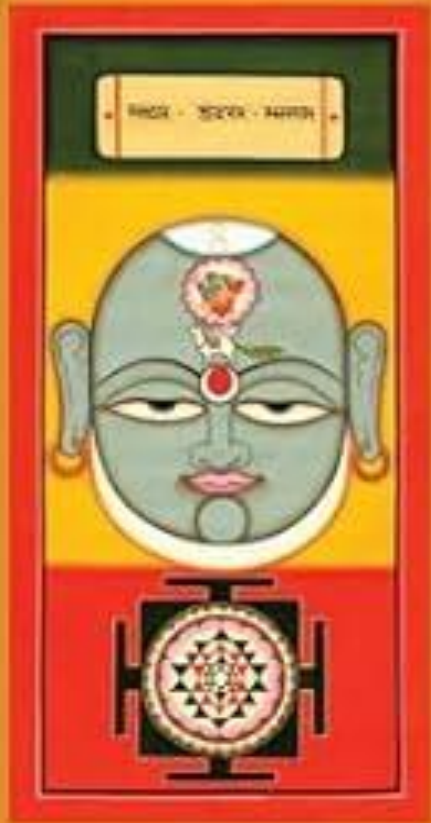
Acc. No : 49399

Call No : 658.421 JAN-V

This is the riveting story of Flipkart, a homegrown company that understood the power of the Internet and transformed how Indians shopped. Two college friends, Binny Bansal and Sachin Bansal, gave up their jobs and started marketing and selling books online. While their decision was unfathomable to most, they saw an opportunity and grabbed it. From receiving their first order in October 2007 to joining the unicorn club in 2012, Flipkart galloped into the decacorn stratosphere in 2014. Flipkart created a culture of 'corporate entrepreneurship' that led to unprecedented growth, which continues to remain unparalleled in India's start-up ecosystem and the history of the new technology industry. India's most successful e-commerce start-up company is a place where dreams are pursued...

THE
Third Eye
of Indian Art

AESTHETICS AS VEDANTA



HARSHA V. DEHEJIA



Acc. No : 49499

Call No : 709.54 DEH-H

Traditional Indian art lends itself to multiple levels of experience, from the creator to the created, from an initial objective sensation to a deeper contemplative subjective experience, from our two outer eyes to an inner or third eye. The Third Eye of Indian Art encourages a rediscovery of India by contemplating its creative vision. While the creation and enjoyment of beautiful objects, vastu, is central to the Indian world view, the discourse on Indian art or aesthetics, saundarya mimamsa, has suffered because we do not have an independent position on aesthetics and have had to borrow from many traditions to create an aesthetic discourse. This book takes us on an enchanting and blissful aesthetic experience, showing us how to use the third eye to not only recognize and celebrate what...

ENCOUNTER THE FEAR OF
**PUBLIC
SPEAKING**
PUBLIC SPEAKING MADE EASY



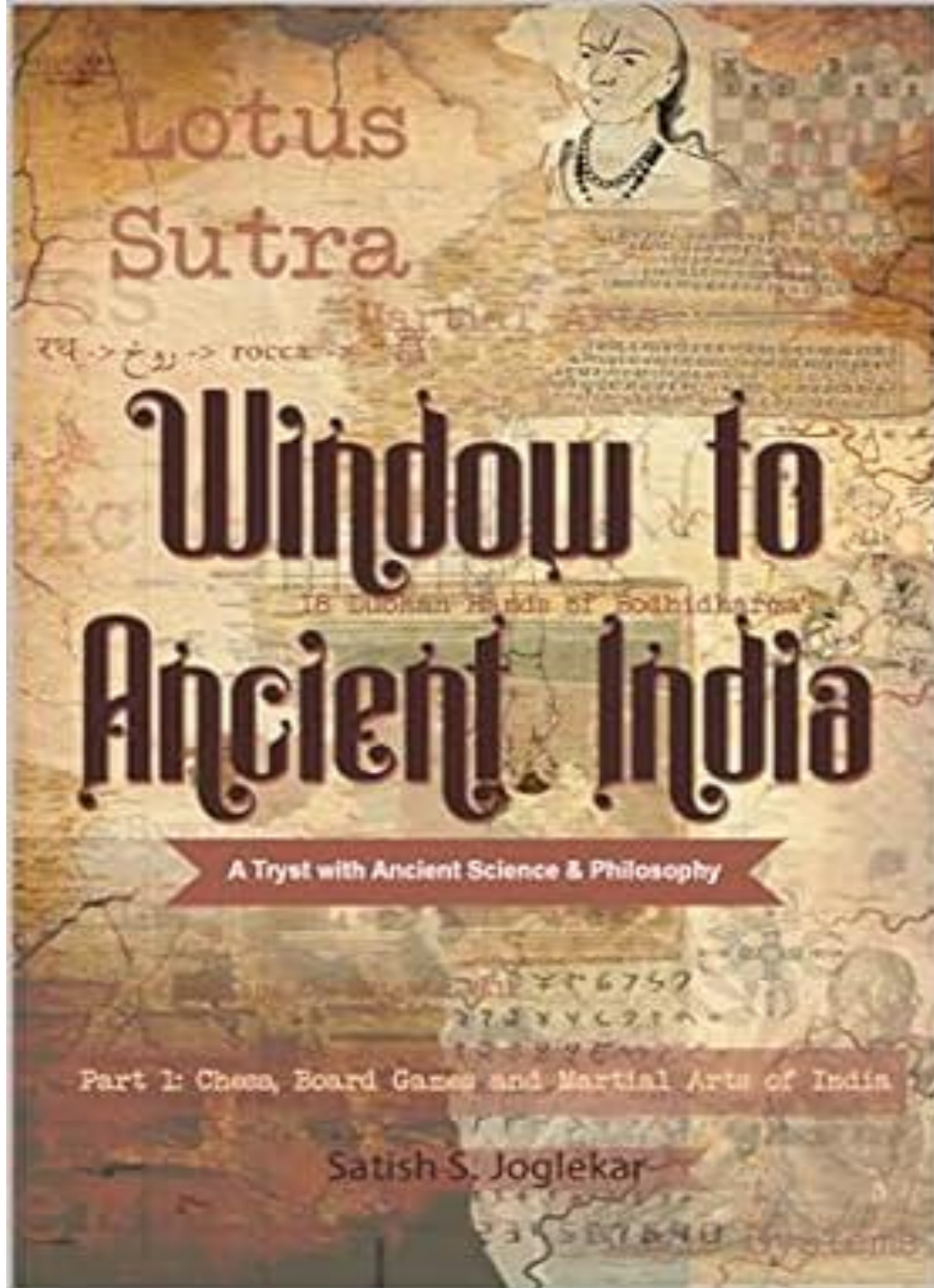
VISHAL KADAM



Acc. No : 49122

Call No : 808.51 KAD-V

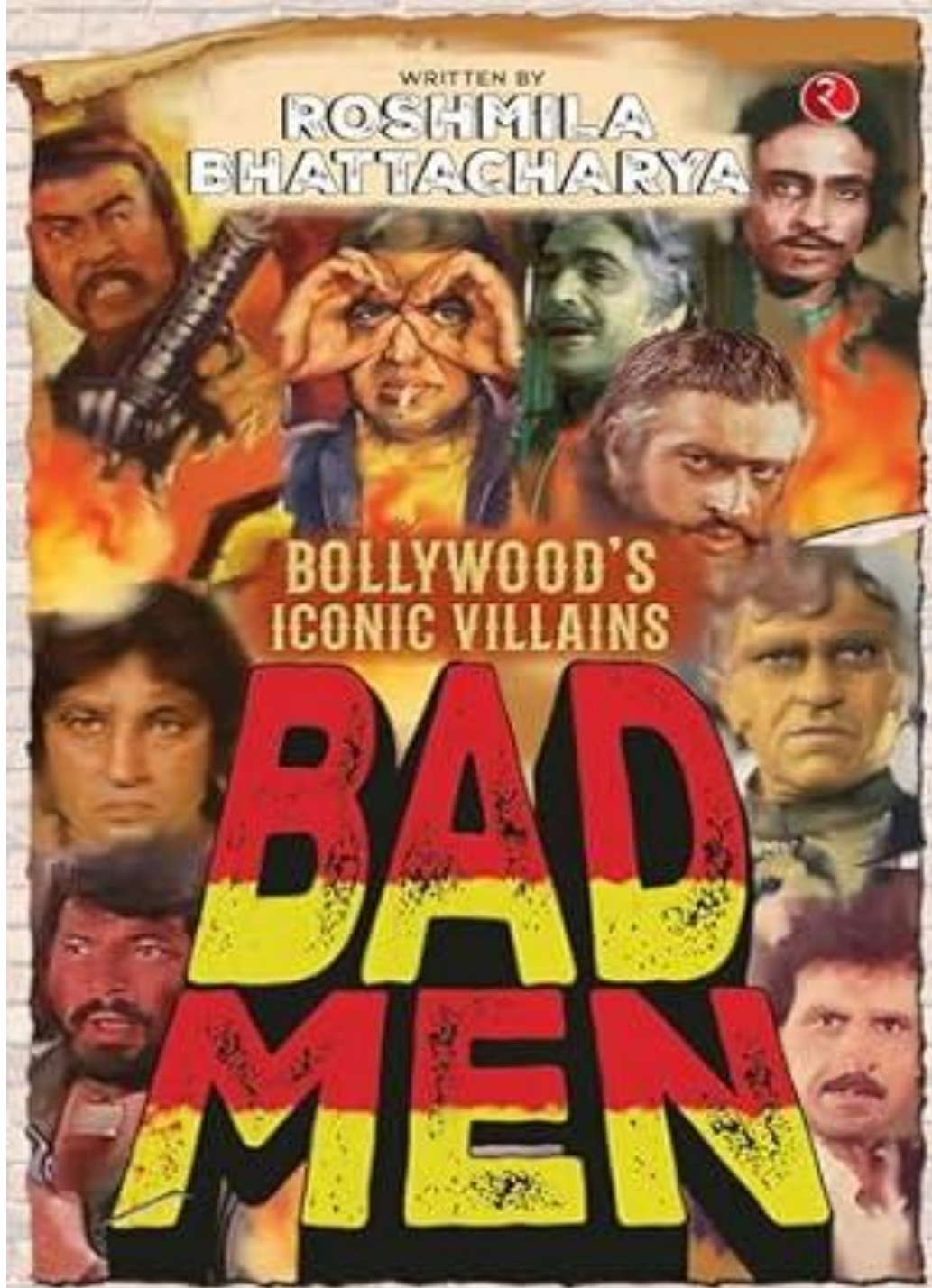
Welcome to a world where words have the power to transform, where observations ignite inspiration, and where you have the potential to become an extraordinary public speaker. This book is your ticket to unlocking the secrets of confident and impactful communication. This is not the story of a millionaire or a wildly successful entrepreneur, but the tale of a relentless dreamer who refused to be defined by failures or setbacks. It is a story of resilience, determination, and an unwavering spirit that will ignite a fire within you. Envision the thrill of standing on a stage, delivering a speech that resonates deeply with every listener. This book is your guide to making that vision a reality. This book is an invitation to explore the uncharted territories of your potential. It beckons you to embrace the...



Acc. No : 49109

Call No : 954.03 JOG-S

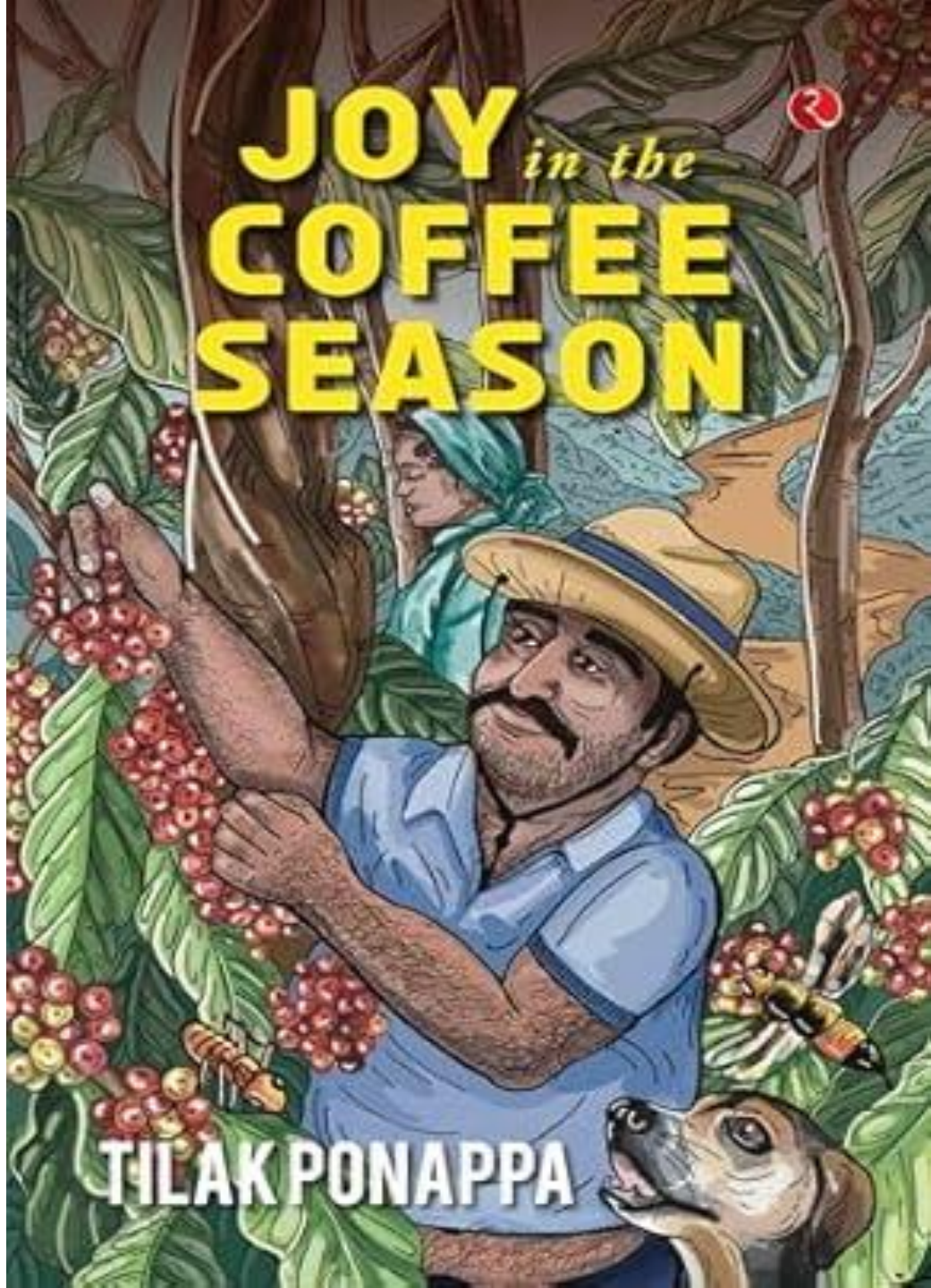
Part I narrates the fascinating history of Board Games and Martial Arts in India. Race Games like Pachisi, Moksha Patam, and Ashtapada became channels for many popular games like Ludo, Snake & Ladders, and Backgammon. Pachisi was, however, appropriated by Alfred Collier, who took the game to England and called it 'Royal Ludo' and even earned a patent for it. One of the earliest war games was Chaturanga, the precursor of modern Chess. It traces the transmission of Chaturanga to the West via the Persians Chatrang and the Arabs Shatranj, and its evolution into the contemporary form. It describes various kinds of derived chess games, like circular chess, four-handed chess, decimal chess, and chess with dice, etc. The relationship between Chitra Kavya, a genre of Sanskrit poetry, and the Knight's Tour...



Acc. No : 49500

Call No : Biography BHA-R

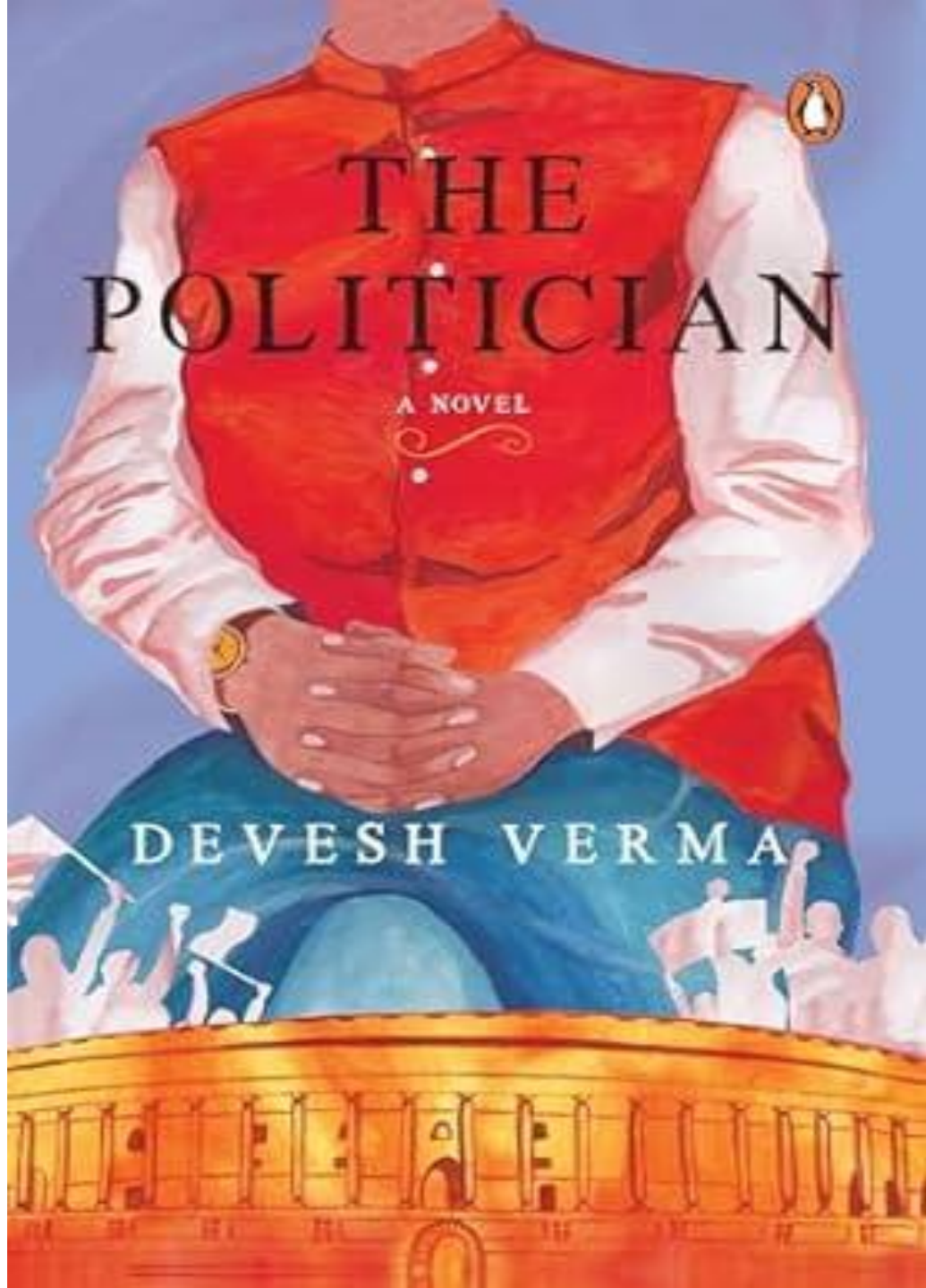
Did you know that Lion Ajit did not care for the Lily, don't be silly jokes, or that Simran's Bauji in DDLJ was modelled on an old lion? What did Manoj Kumar tell Pran that convinced him to accept Shaheed? Who was the strange woman who called Tanuja Chandra and changed her mind about casting Ashutosh Rana as Lajja Shankar Pandey in Sangharsh? Why did a fresh-faced Danny Denzongpa insist on playing the much-older, wheelchair-bound Thakur in Dhund, and how did he make him unforgettable? For decades, Bollywood's khalnayaks have terrorized us, tormented us, and trapped us in their dark universe. Yet, we are still mesmerized by them. So, it may interest you to know that for a long time, Gulshan Grover's siblings would watch his films first so his mother could be whisked...



Acc. No : 49503

Call No : Fiction PON-T

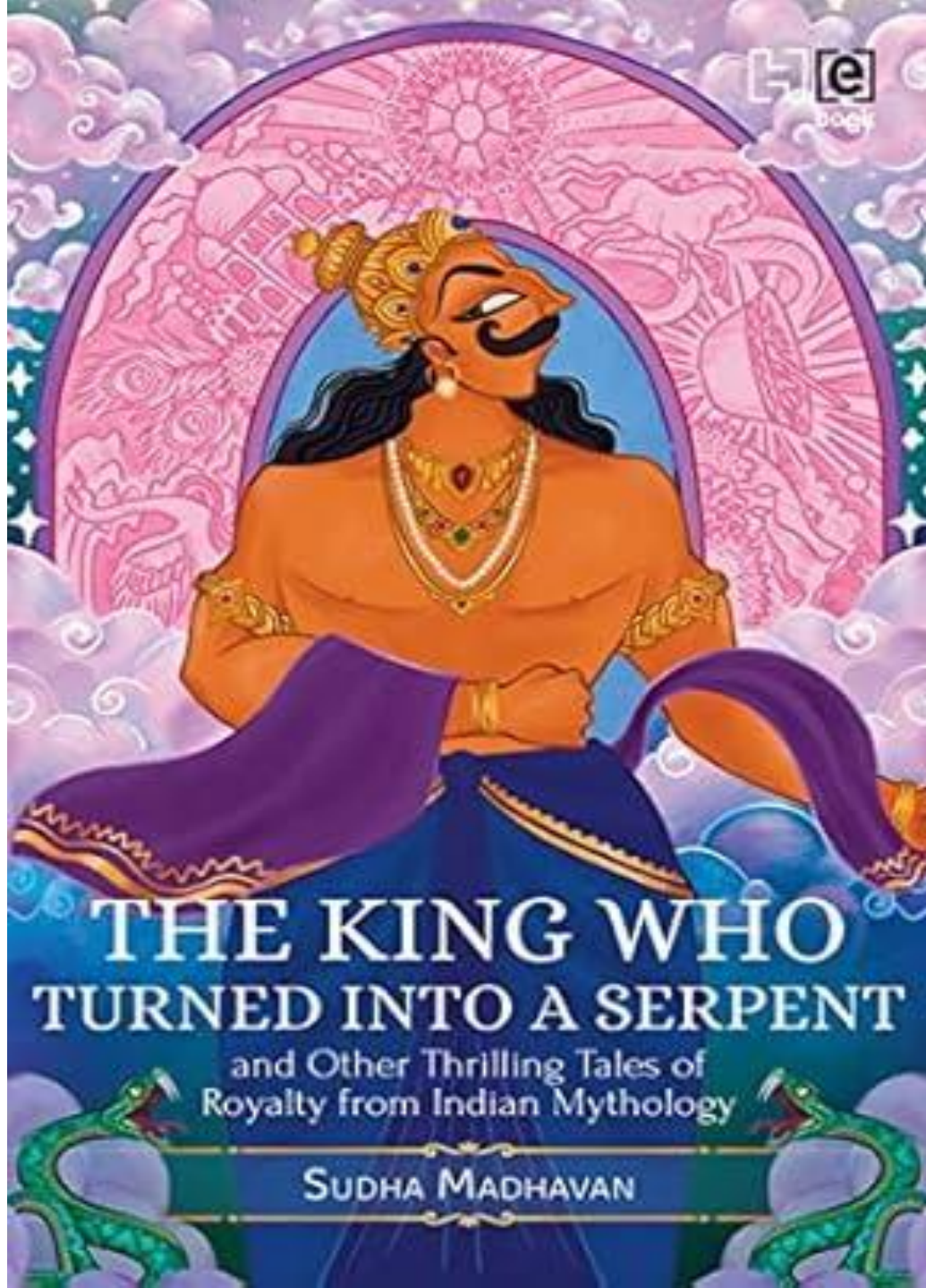
I thought you were doing particularly well this year. We seem to have a good crop, and you were working so hard. What has gotten into you?’ said his wife. Joyappa almost answered that it was beer, popcorn, and lots of delicious meat that had gotten into him. In the nick of time, he realized the question was rhetorical. So, he maintained a stoic silence. Joyappa, well-known to everyone as Joy, is a coffee planter and family man from Coorg Kodagu in Karnataka, who valiantly tries to stay in his wife Susheela’s good books. Susheela seems to have the uncanny ability to know when he is up to mischief, but has a difficult time dealing with his immature behavior. Although Joy works very hard to harvest his crops during the crucial period known as The Season and starts the season with the best of intentions, his...



Acc. No : 49311

Call No : Fiction VER-D

Ram Mohan is an intrepid and ambitious young man in newly independent India, who refuses to be held down by his humble origins. Spurred on by his diehard optimism, he aims for things usually inaccessible to people of his extraction. However, he soon realizes that without political or bureaucratic power, the idea of a respectable life in India is nothing but pretence, and when Gulab Singh rescues him from being insulted by a thug, Ram Mohan becomes persuaded of the efficacy of violence in certain situations. Beginning at the peak of the Nehruvian era and ending in the early seventies, *The Politician* is an enthralling, evocative view of provincial northern India—once the political heartland of the country—and the ebb and flow of the fortunes of its protagonists. The novel, contrary to its title, is not a...



Acc. No : 46812

Call No : Fiction MAD-S (Young Learners)

A prince born with four arms and a third eye. A princess who inspired a cowherd to become a great poet. A king so generous that he sacrificed himself to feed a bird. A queen skilled beyond compare in warfare. Awe-inspiring fighters, feisty leaders, exemplary friends, mighty monarchs, expert cooks, and super-strong sleepyheads. Who were these multifaceted rulers who stood out among the hundreds in the lore of our land? From Shibi Chakravarti to Bhoja, from Vidyottama to Meenakshi, from Yudhishthira to Nahusha, and from Shishupala to Nala, what was extraordinary about them and their times? In over 15 fascinating stories, this charmingly illustrated book takes you to the kingdoms, courts, palaces, and battlefields of glorious royals, who shaped our values and made their place forever in our epics and legends. Telling these stories is as thrilling as hearing...

2



Acc. No : 49460

Call No : Fiction SHE-G (Young Learners)

TALES of FAIRIES, WITCHES and MAGIC

Gayatri Kalra Sehgal

Get ready for an enchanting adventure through mystical lands. Experience magic where fairies twirl and dance, and witches cast their spell under a bewitching, starry sky. Read about dragons and beasts that entice you to turn the page. As the good triumphs over evil, we realize that these tales are more than just 'happily ever after'. These utterly charming fairy tales also provide moral lessons through the virtue of characters. They remain etched in the hearts and minds of readers, long after the story has ended. Children will learn from emotional bonds with parents, enhance literary skills, think creatively, develop imagination and problem-solving skills, reason and overcome their fears, enhance vocabulary, build resilience, and develop cross-cultural moral values. This book will inspire global leaders of...

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>



Thank you