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This book presents comprehensive coverage of all the basic concepts in electrical engineering. It is

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designed for
undergraduate
students of almost
all branches of
engineering for an
introductory course
in essentials of
electrical
engineering. This
book explains in
detail the properties
of different electric

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circuit elements, such as resistors, inductors and capacitors. The fundamental concepts of dc circuit laws, such as Kirchhoff's current and voltage laws, and various network theorems, such as Thevenin's theorem,

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Norton's theorem,
superposition
theorem, maximum
power transfer
theorem, reciprocity
theorem and
Millman's theorem
are thoroughly
discussed. The book
also presents the
analysis of ac
circuits, and

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discusses transient analysis due to switch operations in ac and dc circuits as well as analysis of three-phase circuits. It describes series and parallel RLC circuits, magnetic circuits, and the working principle of different kinds of

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transformers. In addition, the book explains the principle of energy conversion, the operating characteristics of dc machines, three-phase induction machines and synchronous machines as well as

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single-phase motors.

Finally, the book

includes a discussion

on technologies of

electric power

generation along

with the different

types of energy

sources. Key

Features : Includes

numerous solved

examples and

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Institute Of
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illustrations for
sound conceptual
understanding.

Provides well-
graded chapter-end
problems to develop
the problem-solving
capability of the
students.

Supplemented with
three appendices
addressing matrix

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algebra,
trigonometric
identities and

Laplace transforms
of commonly used
functions to help
students understand
the mathematical
concepts required for
the study of
electrical
engineering.

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Mechanics Over
Micro and Nano
Scales covers the
recent developments
in the fields of
mechanics in all
forms over micro,
meso and nano
scales. Special
emphasis is given to
related novel
applications and

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includes
fundamental aspects
of fluid and solid
mechanics, soft
matters, scaling
laws, and synthetic
biology. At the
micro and nano
scales, realization of
many
technologically
viable ideas relies on

the skillful
integration of
mechanics at
macroscopic and
molecular levels,
both for solids as
well as fluids.
Research in the
related areas is no
longer confined to
the understanding of
the governing the

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physics of the
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system, but is also
responsible for

triggering a

technological

revolution at small

scales. This book

also: discusses the

fundamentals of

mechanics over

micro and nano

scales in a level

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accessible to multi-
disciplinary
researchers, with a
balance of
mathematical details
and physical
principles, covers
life sciences and
chemistry for use in
emerging
applications related
to mechanics over

Bookmark File
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Institute Of
small scales and
Technology
demonstrates the
Kanpur
explicit

interconnection
between various
scale issues and the
mechanics of
miniaturized
systems. Mechanics
Over Micro and
Nano Scales is an
ideal book for

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researchers and

engineers working in

mechanics of both

solids and fluids.

The production and

consumption of

Information and

Communication

Technologies (or

ICTs) have become

embedded within our

societies. This

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handbook is about

the many challenges

presented by ICTs. It

sets out an

intellectual agenda

that examines the

implications of ICTs

for individuals,

organisations,

democracy, and the

economy

This book focuses

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on promoting
Technology
entrepreneurial

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ecosystems within

universities and

educational

institutes. It

especially

emphasizes the

thriving systems and

practices existing

within the Indian

Institute of

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Institute Of

Technology Kanpur

(IITK). It discusses

cases and successes

of the SIDBI

Incubation and

Innovation Centre in

the Institute. This

edited volume

highlights the vision

of IITK and

describes a few of

the major

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achievements of the
past few years. It
especially showcases
the requirements and
challenges of
creating, sustaining,
and boosting such
entrepreneurial
ecosystems and
incubation centres.
The contents of this
book will be useful

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to researchers,
administrators, and
corporate
collaborators
working in the area
of monetizing
technology coming
from educational
institutions by
converting it to
successful products
and business ideas.

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Institute Of
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A Dictionary of
Abbreviations,
Acronyms and
Symbols in

Astronomy and
Related Space
Sciences

The Origins of
China and India

Nanomaterials and
Nanocomposites for
Environmental

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Remediation
Innovation,
Incubation and
Entrepreneurship
Case Studies from
IIT Kanpur
Higher Education,
Economic
Development, and
the Knowledge
Economy

This book presents

Page 23/200

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Technology

***a three-dimensional
analysis of acoustic
wave propagation in***

an elliptical

waveguide, and

applies the

equations and

concepts to design

axially short

elliptical end-

chamber muffler

configurations

which are an

important

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component of a complex multi-pass muffler used in a modern-day automotive exhaust system. A general solution of the Helmholtz equation in elliptical cylindrical co-ordinates is presented in terms of the Mathieu and modified Mathieu

modal functions.

This is followed by the tabulation and analysis, for the first time, of the non-dimensional resonance frequencies of the transverse modes of a rigid-wall elliptical waveguide for a complete range of aspect ratio. The modal shape

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patterns of the first few circumferential, radial and cross-modes are examined with particular attention to the pressure nodal ellipses and hyperbolae. An analytical formulation is then outlined for characterizing a single-inlet and

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**single-outlet
elliptical muffler**

**with the inlet located
on the end face and
the outlet located
either on the end
face or side-surface.**

**The ensuing chapter
is devoted toward
analyzing the**

**Transmission Loss
(TL) performance of
different short end-
chamber mufflers,**

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***namely (a) the
straight-flow***

***configuration having
ports located on the
opposite face, (b)
the flow-reversal
configuration with
ports located on the
same end face and
(c) configuration
with inlet port on the
end face and outlet
on the side surface.***

Design guidelines

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are formulated in terms of the optimal location of inlet and outlet ports which suppresses the deteriorating influence of certain higher-order modes, thereby delivering a broadband TL performance.

Directions for future work are discussed toward the end. In

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Kapurthala

***summary, this book
is a one-stop
solution for a
practicing
automotive engineer
designing mufflers,
for an applied
mathematician
studying wave
propagation in
elliptical geometries,
and also as a niche
area within noise
control engineering.***

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Institute Of

Technology
Department of

Computer Science

and Engineering at

the Indian Institute

of Technology in

Kanpur, India (IITK).

Recounts the

Department's

history and

describes its

facilities. Lists its

faculty and

describes courses

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***offered. Provides
information on***

faculty and research

projects. Describes

industrial programs

and alumni events.

Links to the IITK

home page.

Annotation

Contents1

INTRODUCTION; 2

METAL POWDER

PRODUCTION; 3

METAL POWDER

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CHARACTERISTICS;

4 METAL POWDER

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COMPACT-ION; 6

SINTERING; 7 HOT

CONSOLIDATION; 8

SECONDARY

TREATMENT; 9

POWDER

INJECTION

MOULDING; 10

QUALITY CONTROL

OF POWDER

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Technology/
**METALLURGY
MATERIALS.**

This edited book addresses the challenges in managing the operations and supply chain of organizations in the era of internet of things and Industry 4.0. It presents cutting edge research on real

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world operations related problems, in-depth analyses, and relevant managerial implications. Wide variety of solution approaches such as quantitative, quantitative, and simulations are presented in the context of managing the operations and supply chains.

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Technology
***Consisting of
selected papers***

from the XXIII

Annual International

Conference of

Society of

Operations

Management, this

volume is part of a

two volume series

with the other book

consisting of

chapters on

quantitative

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decision making.

This edited book

covers various

quantitative models

on operations and

supply chain

management such

as inventory

optimization,

machine learning-

operations research

integrated model for

healthcare systems,

game-theoretic

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***analysis of review
strategies in truthful
information sharing,
design of contracts
in supply chains,
supply chain
optimization,
inventory routing,
and shop floor
scheduling. In
addition to the
quantitative models,
several innovative
heuristics are***

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Technology

Hyderabad

***proposed for
different problems.***

***This book explores
qualitative models
on improving the
performance of
small and medium
enterprises and
petroleum industries
and a simulation
model for staff
allocation in the
information
technology industry.***

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Krpyur

Finally, this book provides review articles on vaccine supply chains and behavioral operations management. The book throws light on the emerging trends in the use of analytics, optimization, and simulation tools and empirical analysis to

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improve the performance of operations and supply chains of organizations. It will serve as an essential resource for practitioners, students, faculty members and scholars in operations management and related areas to gain

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Keep

***knowledge and
pursue high quality
research on
developments in
areas such as
managing the
resource
management and
the solution method
ology---innovative
tools employed in
addressing the real
world problems and
the different***

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Institute Of
**optimization
techniques.**

**Fundamentals and
Innovations in Solar
Energy
Intelligent Control of
Robotic Systems
Skilled Migrants
from Colombia,
India and South
Africa in Switzerland
: Empirical Evidence
and Policy
Responses**

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Technology

History of IIT Kanpur

Mechanics Over

Micro and Nano

Scales

This volume
comprises chapters on
the cutting-edge
research in photonics
undertaken at IIT
Kanpur. Photonics
requires scientists and

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engineers to work
Technology
closely together in

Kanpur
addressing challenges

which are

interdisciplinary in

nature. At IIT Kanpur,

research is being

pursued in several key

areas of photonics

namely fiber-optics,

nanophotonics,

quantum optics,

optical spectroscopy

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and imaging,
biophotonics, and
photonic devices. This
volume brings together
contributions from
experts to obtain a
contemporary
perspective in
photonics research.
The reader will find
articles about coherent
optical
communications,

novel photonic nanostructures, nano-structured materials for light control, optical tweezers with nanoscale applications, quantum coherence and entanglement, photodiode arrays and quantum metrology. The volume also includes chapters on cancer diagnostics

with optical tomography, protein fluctuations at microsecond scale at single-molecule level, and visualization of motion in a droplet which are interdisciplinary in nature. The contents of this book will be of use to researchers, students, and

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Technology
Kannur.
professionals working
across all domains of
photonics.

This book provides
recent trends and
innovation in solar
energy. It covers the
basic principles and
applications of solar
energy systems.

Various topics covered
in this book include
introduction and

overview of solar
energy, solar PV
generation, solar
thermal generation,
innovative applications
of solar energy, smart
energy system, smart
grid and sustainability,
solar energy
forecasting, advances
in solar battery,
thermal storage of
solar energy, solar

energy pricing,
advances in hybrid
solar system, solar
system tracking for
maximum power
generation, phase
change materials and
its application,
sensitivity analysis in
solar systems,
environmental
feasibility of solar
hybrid systems,

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regulatory

implications of solar

energy integration

with grid, impact of

the photovoltaic

integration on the

hydrothermal dispatch

on power systems and

potential and financial

evaluation of floating

solar PV in

Thailand--a case study.

This book will be

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useful for the students,
academicians,
researchers,
policymakers,
economists and
professionals working
in the area of solar
energy. .

Intelligent Systems
and Control:
Principles and
Applications is a
textbook for

undergraduate level courses on intelligent control, intelligent systems, adaptive control, and non-linear control. The book covers primers in neural networks, fuzzy logic, and non-linear control so that readers can easily follow intelligent control techniques.

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Please note that the content of this book primarily consists of articles available from Wikipedia or other free sources online.

Pages: 23. Chapters:
IIT Kanpur, Schools in
Kanpur, Universities
and colleges in
Kanpur, Indian
Institute of
Technology Kanpur,

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Institute Of
Technology
Kanpur
Harcourt Butler
Technological
Institute, Rajeev
Motwani, Pt. Deen
Dayal Upadhyaya
Sanatan Dharma
Vidyalaya, Antaragni,
P. K. Kelkar,
University Institute of
Engineering and
Technology, Kanpur
University, Chandra
Shekhar Azad

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University of
Technology,
Agriculture and
Kanpur

Yashavant Kanetkar,
Jawahar Navodaya
Vidyalaya Kanpur,
Christ Church
College, Kanpur,
Methodist High
School, Kanpur, Air
Force School Kanpur,
National Sugar
Institute, Techkriti,

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Technology
Kanpur
Kalyanmoy Deb,
Huddard High School,
Sanjay Mittal, Indian
Institute of Pulses
Research, St. Joseph's
Senior Secondary
School, Kanpur,
Ganesh Shankar
Vidyardhi Memorial
Medical College, Seth
Anand Ram Jaipuria
School, Kakadeo,
Uttar Pradesh Textile

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Institute Of

Technology Institute,

Maharana Pratap

Engineering College,

IIT Kanpur Airport,

DAV College, Kanpur,

Pranveer Singh

Institute of

Technology, Kanpur

Institute of

Technology, List of

schools in Kanpur,

BNSD Inter College,

Jugal Devi Saraswati

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Kanpur

Vidya Mandir,
Kanpur. Excerpt: The
Indian Institute of
Technology Kanpur
(Hindi:) (commonly
known as IIT Kanpur
or IITK) is a Central
deemed University
located in Uttar
Pradesh, about 15 km
north-west of the city
of Kanpur. Established
in 1959 as one of the

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first Indian Institute of
Technology, the

institute was created

with the assistance of

a consortium of nine

leading US research

universities as part of

the Kanpur Indo-

American Programme

(KIAP). It quickly

rose among the ranks

of engineering

universities and is

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Institute Of
Technology
Kanpur
currently one of the
most prestigious and
highest-ranked
engineering
universities in India.

IIT Kanpur was
established by an Act
of Parliament in 1959.

The institute was
started in December
1959 in a room in the
canteen building of the
Harcourt Butler

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Technological Institute
Technology
at...

Kannur

Intelligent Systems

and Control:

Principles and

Applications

Reducing Risk,

Improving Outcomes

Disaster Management

and Human Health

Risk III

The Oxford Handbook

of Information and

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Kanpur
Communication
Technologies

THE MASSIVE
SUCCESSFUL
MODERN
EDUCATION
SYSTEM WITH

Poojya Dr. Appaji's
Management
Philosophy

Fifty Innovative Years
of IIT Kanpur

This book describes the

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innovative transformation of institutions of higher education (HEIs) across the world in response to the emerging realities of the twenty-first century global knowledge-based economy. It also describes how HEIs are defining many of today's economic realities on a regional level.

This book of 'directions'

Page 66/200

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focuses on cyber security research, education and training in India, and work in this domain within the Indian Institute of Technology Kanpur. IIT Kanpur's Computer Science and Engineering Department established an 'Interdisciplinary Center for Cyber Security and Cyber

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Center)

Defense of Critical Infrastructures (C3I Center)' in 2016 with funding from the Science and Engineering Research Board (SERB), and other funding agencies. The work at the center focuses on smart grid security, manufacturing and other industrial control system security; network, web and data

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Kejriwal

security, cryptography,
and penetration

techniques. The
founders are involved
with various Indian
government agencies
including the Reserve
Bank of India, National
Critical Information
Infrastructure
Protection Center,
UIDAI, CCTNS under
home ministry, Ministry
of IT and Electronics,

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Institute Of

and Department of
Technology.
Science & Technology.

The center also testifies

to the parliamentary

standing committee on

cyber security, and has

been working with the

National Cyber Security

Coordinator's office in

India. Providing

glimpses of the work

done at IIT Kanpur, and

including perspectives

from other Indian

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institutes where work on cyber security is starting to take shape, the book is a valuable resource for researchers and professionals, as well as educationists and policymakers.

This book illustrates basic principles, along with the development of the advanced algorithms, to realize smart robotic systems. It

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speaks to strategies by which a robot (manipulators, mobile robot, quadrotor) can learn its own kinematics and dynamics from data. In this context, two major issues have been dealt with; namely, stability of the systems and experimental validations. Learning algorithms and techniques as covered in

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this book easily extend to other robotic systems as well. The book contains MATLAB-based examples and c-codes under robot operating systems (ROS) for experimental validation so that readers can replicate these algorithms in robotics platforms.

This book helps students and practicing scientists

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alike understand that a comprehensive knowledge about the friction and wear properties of advanced materials is essential to further design and development of new materials. With important introductory chapters on the fundamentals, processing, and applications of

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tribology, the book then examines in detail the nature and properties of materials, the friction and wear of structural ceramics, bioceramics, biocomposites, and nanoceramics, as well as lightweight composites and the friction and wear of ceramics in a cryogenic environment.

Scientific Diasporas as

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Development Partners

lit Kanpur, Schools in

Kanpur, Universities

and Colleges in Kanpur,

Indian Institute of

Technology Kanpur,

Harcourt Butler Techno

FST TCS 2002:

Foundations of Software

Technology and

Theoretical Computer

Science

Aqueous Phase

Adsorption

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Technology

Education in Kanpur

This monograph
focuses on recent
development of
nanomaterials and
nanocomposites for
pollution
measurement and their
control in water, air,
and soil. The contents
incorporate carbon-

based, metal-based,
and metal-organic
framework based
nanomaterials and
nanocomposites for
emerging
contaminants
(pharmaceuticals and
personal care
products) degradation,
disinfection, and other
traditional pollutants
degradation and

removal. The book also offers updated literature for researchers and academicians working in the field of environmental remediation by nanomaterials.

Readers will learn about different metal and non-metal based nanoparticles for

environmental
remediation. It will be
a useful guide for
professionals, and post-
graduate students
involved in material
science &
engineering, chemical
engineering and
environmental
nanotechnology
research.

This volume brings

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together contributions
from world renowned

Kannur
researchers and

practitioners in the

field of geotechnical

engineering. The

chapters of this book

are based on the

keynote and invited

lectures delivered at

the 7th International

Conference on Recent

Advances in

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Geotechnical
Earthquake
Engineering and Soil
Dynamics. The book
presents advances in
the field of soil
dynamics and
geotechnical
earthquake
engineering. A strong
emphasis is placed on
proving connections
between academic

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research and field practice, with many examples, case studies, best practices, and discussions on performance-based design. This volume will be of interest to research scholars, academicians and industry professionals alike.

A raging pandemic, a

dearth of life-saving equipment, and ninety days to manufacture a world-class ventilator. On 24 March 2020, a nationwide lockdown was imposed in India in the face of a formidable adversary, the Covid-19 pandemic. With the number of cases increasing

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exponentially,
hospitals were faced
with a dangerous

shortage of life-saving
equipment and

personnel. In response
to the imminent crisis,

Amitabha

Bandyopadhyay and

Srikant Sastri formed

the IIT Kanpur

ventilator Consortium

as a task force to assist

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a young startup,
Nocca Robotics, in
building affordable
high-quality
ventilators for India's
cash-strapped
hospitals. Under the
mentorship of reputed
industry leaders, the
task force and the
Nocca team worked
tirelessly against
unprecedented odds –

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trammelled by a ban
on imports and
telecommuting
through Zoom and
Whatsapp in the face
of stringent lockdown
restrictions – to
manufacture the
Noccarc V310 in
record time. This is
the incredible story of
its conception,
creation and success,

in the words of the task force co-leaders themselves. Inspiring and riveting, The Ventilator Project also offers an unmatched blueprint for business in the post-Covid era through first-hand lessons gleaned during the task force's phenomenal ninety-day run. It proves that

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India, with its deep recesses of talent and ingenuity, has the potential to be a world leader in both business and social impact.

The Fourth IIT traces the historical evolution of the Indian Institute of Technology Kanpur (IITK), established fourth in the

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chronological ladder
of IITs after the

institutes at

Kharagpur, Bombay

and Madras. The early

beginnings of IITK

are explored, with the

appointment of Dr

P.K. Kelkar as its

founder-director, its

humble

commencement in the

temporary premises of

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Institute Of

Harcourt Butler
Technological

Kannur (HBTI) and

the initiation of a
traditional BTech

programme. We see
how rapid

transformations

enabled the institute to
introduce and nurture

a new academic

culture in the country,

illustrated by the

paradigm shift in
higher technical
education and the
freshness of a new
spirit in higher
education in
general—the spirit of
IITK. An inventive
approach to faculty
appointments, student
admissions and the
development of a
novel academic

structure are some of the deeply appreciated attributes that IITK has epitomized—and striven for. The book also captures IITK in the present times, in its pursuit of continually improving the material life of its students, staff members and the faculty, and the

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veritably important role played by the alumni, and also sheds light on the 'new vision' of the institute. Expertly and lovingly written by IITK insiders and long-timers, The Fourth IIT is ideal for past and present students and educators, and for anyone interested in

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Institute Of
Technology,
Kannur
an in-depth analysis of
one of the most
beloved and respected
academic institutions
in the country.

StarBriefs Plus

Build and Sustain a
Career in Engineering
Cyber Security in
India

Concepts,
Methodologies, Tools,
and Applications

Bookmark File

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Institute Of

The Ventilator Project
Emerging Frontiers in

Operations and

Supply Chain

Management

This book

examines the

unexpected

convergence

between the

higher

education

systems of
India and
France. This
has resulted
due to links
between higher
education
investment and
economic
growth in the
light of the
knowledge

triangle and
the Lisbon
strategy,
which has
recently been
replaced by
the Horizon
2020 scheme.
The current
state of Indo-
French
cooperation is

Bookmark File
PDF litk Indian

Institute Of
Technology
Kannur
highlighted
and discussed
in detail,

with chapter 4
co-authored by
prominent
Indian scholar
Geeta Nair,
and it is
suggested that
the
prospective

Indo-French
knowledge
management
system will
provide a
competitive
advantage in
the
contemporary
knowledge
economy.
Himalaya

Bookmark File
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Institute Of
Technology
Kannur

Calling: The
Origins of
China and
India will
take the
reader through
a journey
through the
periods of
time and
places
starting from

Bookmark File
PDF litk Indian
Institute Of
Technology
Kannur

the beginning
of
civilization
from the
Himalayas and
extending into
the Himalaya
Sphere. The
chapters in
the book
enable the
reader to view

Institute Of
Technology,
Kannur

the dynamics
of China and
India from the
geo-civilizati
onal paradigm
of the
Himalaya
Sphere. Among
the other new
concepts
introduced is
a new

understanding
of the
Buddhist tryst
with China's
developing
process as a
super-state
and the
interaction of
the dynamics
of 'wandering
ascetics' from

India and
'householder'
in China. It
conveys the
message of two
'civilization-
states' as
akin to oases
in the desert
of modern 'nat
ion-states'
and advocates

Bookmark File

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Institute Of

Technology

Kanpur

the Indian
spiritual goal
of 'Vasudhaiva
kutumbakam'
(the whole
world is one
single family)
and the
Chinese
spiritual goal
of 'tianxia
datong ?????'

Bookmark File

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Technology

Kannur

(grand harmony all-under-Heaven). The book is a must-read for all the leaders and policy makers of China and India. It is a culmination of decades of

Bookmark File

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Institute Of

learning by
Technology
Kannur
the author who
has lived in

both the

countries. The

reader will

begin to

understand the

shared origins

of China and

India and how

the

Bookmark File

PDF litk Indian

Institute Of

Technology

Kannur

civilizations
have been
linked through
the ages. The
book is timely
as it
coincides with
the
commemoration
of the diamond
jubilee (50th
anniversary)

Bookmark File

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Institute Of

of the
Technology

Panchsheel

(Five

Principles of

Peaceful

Coexistence)

in 2014. Conte

nts:ForewordPr

efaceIntroduct

ionThe

'Himalaya

Sphere' Lives

Bookmark File

PDF litk Indian

Institute Of

Technology

Kannur

in the Spirit
of China and I
ndiaCivilizati
on Twins Grew
Side by SideCi
vilization and
State in China-
India Relation
s'Himalaya
Sphere' into
Universal
Prosperity

Bookmark File
PDF litk Indian

Institute Of
Technology
Kannur

Readership:
Policy makers,
historians,
leaders in
China and
India and
anyone
interested in
knowing more
about China
and India. Key
words: Civiliza

Bookmark File
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Institute Of
Technology
Kannur
tion;China;Ind
ia;Origins of
Civilization;C
ivilization St
ates;Civilizat
ion Twins;Hima
laya;Cultural
Affinity;Chind
ia;
BuddhismKey
Features:No
other book in

the market
that
fundamentally
offers fresh
perspective on
understanding
of China and
India Enables
the reader to
view the
dynamics of
China and

Bookmark File

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Institute Of

Technology

Kannur

India from the

geo-civilizati

onal paradigm

of the

Himalaya Spher

eAdvocates the

Indian

spiritual goal

of 'Vasudhaiva

kutumbakam'

(the whole

world is one

Bookmark File

PDF litk Indian

Institute Of

single
family) and the

Chinese

spiritual goal

of 'tianxia

datong ?????'

(grand harmony

all-under-

Heaven)

This book

provides a

comparative

Bookmark File
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Institute Of
Technology
Kannur
analysis of
both diesel
and gasoline
engine
particulates,
and also of
the emissions
resulting from
the use of
alternative
fuels. Written
by respected

Bookmark File

PDF litk Indian

Institute Of

Technology

Kannur

experts, it

offers

comprehensive

insights into

motor vehicle

particulates,

their

formation,

composition,

location,

measurement, c

haracterisatio

Bookmark File

PDF IITK Indian

Institute Of

n and
toxicology. It

also addresses

exhaust-gas

treatment and

legal, measure

ment-related

and

technological

advancements

concerning

emissions. The

Bookmark File PDF litk Indian

Institute Of
Technology
Kannur

book will
serve as a
valuable

resource for
academic
researchers
and
professional
automotive
engineers
alike.

In the late

1800s India seemed to be left behind by the Industrial Revolution. Today there are many technological Indians around the world but relatively few focus on

Bookmark File

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Institute Of

Technology

Kannur

India's
problems. Ross
Basset—drawin
g on a
database of
every Indian
to graduate
from the
Massachusetts
Institute of
Technology
through

Bookmark File

PDF litk Indian

Institute Of

Technology

Kanpur

2000—explains
the role of
MIT in this
outcome.

Himalaya

Calling

Theory and

Applications

Tribology of

Ceramics and

Composites

IIT Kanpur

Bookmark File

PDF IITK Indian

Institute Of

Technology
Advanced Texts

Kanpur
Acoustic

Analysis and

Design of

Short

Elliptical End-

Chamber

Mufflers

Computer

Science and

Engineering at

Bookmark File
PDF litk Indian
Institute Of
Technology
Kanpur
Indian
Institute of
Technology
Kanpur (IITK).

*"A must read
for students
standing at the
edge of
choosing their
careers, and
for others to
look back and*

Bookmark File

PDF litk Indian

Institute Of

Technology."
Kanpur

Dr. Vijay

Patel,

Technology

Director,

*Flight control
laws LCA, IFCS,
ADA Bangalore.*

*"An excellent
collection of
personal*

experiences and

Bookmark File
PDF litk Indian

Institute Of
Technology
Kannur
*a narrative
interspersed
with real
advice,
opinions and
actionable
insights that
can guide
generations. A
must read."*

*Rajat Jain,
business mentor
for early stage*

Bookmark File

PDF litk Indian

Institute Of

*startups, ex
MD, Xerox India
and Walt Disney*

*India. "This
remarkable book
works at many
levels. At one,
it is a lucidly
explained guide
that, with the
lightest of
touch, hand-
holds and*

empowers students to prepare them for what lies beyond the classroom. At another, it is a veritable manual for our work and life. As technology reshapes both, the book offers

*invaluable
insight into
what each means
and how we can
better navigate
the
increasingly
permeable walls
between the
two." Raj Kamal
Jha, engineer,
journalist,
novelist, and*

Bookmark File

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Institute Of

Technology

Kanpur

*Chief Editor of
The Indian
Express. Blurb:
Many career
advice books
are written by
senior managers
and
entrepreneurs
for senior
managers and
entrepreneurs.
Other career*

Bookmark File

PDF litk Indian

Institute Of

Technology

Kannur

*advice books
are written by
people whose
career consists
of giving
career advice.
This book is
written for
young engineers
by an
engineering
professor who
is currently*

Bookmark File

PDF litk Indian

Institute Of

Technology

Kannur

*engaged in
teaching and
research. The
book emphasizes
a long-term
view.*

*Engineering is
not learned in
four years. If
you are alert,
and keep
learning and
integrating*

Bookmark File

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Institute Of

Technology

Kannur

ideas along the way, then you slowly build up a type of understanding that newcomers cannot match. This helps you build a sustainable career. Do not be distracted by the apparent

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Institute Of

Technology

Kannur

success of a few people who seem to take shortcuts. For most people, statistics will apply. For most people, and therefore probably for you as well, success will be more likely if

Bookmark File
PDF litk Indian

Institute Of
Technology
Kannur
*you develop
long term
value.*

*This book
covers
theoretical
aspects of
adsorption,
followed by an
introduction to
molecular
simulations and
other numerical*

techniques that have become extremely useful as an engineering tool in recent times to understand the interplay of different mechanistic steps of adsorption.

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Technology

Kanpur

Further, the book provides brief

experimental methodologies to use, test, and evaluate different types of adsorbents for water pollutants.

Through different

Bookmark File

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Institute Of

Technology

Kannur

*chapters
contributed by
accomplished
researchers
working in the
broad area of
adsorption,
this book
provides the
necessary
fundamental
background
required for an*

Bookmark File

PDF litk Indian

Institute Of

*academician,
technology
Kannur*

scientist or

engineer to

initiate

studies in this

area. Key

Features

Explores

fundamentals of

adsorption-

based

separation

Bookmark File
PDF litk Indian

Institute Of
Technology
Kannur

*Provides
physical
insight into
aqueous phase
adsorption
Includes
theory,
molecular and
mesoscopic
level
simulation
techniques and
experiments*

Bookmark File

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Institute Of

Technology

Kannur

*Describes
molecular
simulations and
lattice-
Boltzmann
method based
models for
aqueous phase
adsorption
Presents state-
of-art
experimental
works*

Bookmark File
PDF litk Indian

Institute Of
Technology
Kannur
*particularly
addressing
removal of
"emerging
pollutants"
from aqueous
phase*

*1 The Third
International
OPAALS*

*Conference was
an opportunity
to explore and*

Bookmark File

PDF litk Indian

Institute Of

*discuss digital
ecosystem*

research issues

as well as

emerging and

future trends

in the field.

The conference

was organized

by IPTI –

Instituto de

Pesquisas em

Tecnologia e

Bookmark File
PDF litk Indian

Instituto Of
Technology
Kannur
*Inovação (www.
ipti.org.br).*

*IPTI is a
member of the
OPAALS*

*Framework P-
gramme 7*

*Network of
Excellence,
which is led by
the London
School of
Economics and*

Bookmark File

PDF litk Indian

Institute Of

Political
Technology
Science. OPAALS

Kannur
is a multi-
disciplinary
research

network of
excellence for
developing the
science and
technology
behind digital
ecosystems. The
conference was

Bookmark File

PDF litk Indian

Institute Of

Technology

Kannur

*held within the
scope of a
broader*

EU–Brazil

bilateral

workshop hosted

by IPTI in

cooperation

with the

Brazilian

government and

the European

Commission and

Bookmark File
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Institute Of
Technology
Kapurthala
designed to
foster EU
support of
information and
communications
technologies
(ICT)
enablement and
socio-economic
development in
Brazil. The
event was held
in the city of

Bookmark File

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Institute Of

Aracajú,
Sergipe, in the
Technology
Kannur
northeast of

Brazil, during
March 22–23,

2010. Aracajú

is the capital
of the state of

Sergipe and is
located on the

coast, a

tropical region

with lush

Bookmark File

PDF litk Indian

Institute Of

Technology,
Kannur

vegetation,
rivers and
mangroves and

an e- nomic

landscape

dominated by

fisheries,

tourism and the

challenges

associated with

fostering local

economic

development in

Bookmark File

PDF litk Indian

Institute Of

Technology

Kannur

*the presence of
low ICT
penetration.*

Digital

ecosystems

(DEs) in some

ways represent

the next

generation of

ICT and

Internet usage.

Applicable to

many contexts,

they will perhaps have the greatest effect in enabling small and medium-sized enterprises (SMEs) to compete on the global stage. An increasing number of large-

Bookmark File

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Institute Of

Technology

Kanpur

*scale natural
disasters have
affected
millions of
people in
recent years.
Major
earthquakes,
floods, And
hurricanes,
have caused
great
destruction of*

property and loss of life, while forest fires, pipeline failures, and bombings have created equally devastating affects on a smaller scale. The increased threats are the topic of the

Bookmark File

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Institute Of

Technology

Kannur

*Third
International
Conference on
Disaster
Management and
Human Health
Risk, convened
so that experts
on public
health,
security, and
disaster
management*

Bookmark File
PDF litk Indian

Institute Of
Technology
Kannur

*could share
information.*

*This book
contains the
papers
presented at
the conference.*

*Topics covered
include*

*Disaster
analysis;*

*Disaster
monitoring and*

Bookmark File

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Institute Of

mitigation;
Emergency

preparedness;

Risk

mitigation;

Risk and

security;

Safety and

resilience;

Socio-economic

issues;

Biological

threats;

Bookmark File

PDF litk Indian

Institute Of

*Learning from
disasters.*

The

Indispensable

University

A Materials

Science

Perspective

Latest

Developments in

Geotechnical

Earthquake

Engineering and

Bookmark File

PDF IITK Indian

Institute Of

Soil Dynamics

Indo-French

Educational

Partnerships

The Fourth IIT

A Series of Int

erdisciplinary

Textbooks Under

the Aegis of

Centre for

Development of

Technical

Education

Bookmark File

PDF litk Indian

Institute Of
Technology
Kanpur
(CDTE), Indian
Institute of
Technology,
Kanpur, India

***Effective
administration of
government and
governmental
organizations is a
crucial part of
achieving success
in those
organizations. To***

Bookmark File

PDF litk Indian

Institute Of

*develop and
implement best
practices,*

*polycymakers and
leaders must first*

understand the

fundamental

tenants and

recent advances

in public

administration.

Public Affairs and

Administration:

Page 161/200

Bookmark File

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Institute Of

**Concepts,
Methodologies,**

Tools, and

Applications

explores the

concept of

governmental

management,

public policy, and

politics at all

levels of

organizational

governance. With

***chapters on
topics ranging
from privacy and
surveillance to
the impact of new
media on political
participation, this
multi-volume
reference work is
an important
resource for
policymakers,
government***

Bookmark File

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Institute Of

**officials, and
academicians and
students of**

political science.

An Eye For

Excellence Is An

Inspiring

Chronicle Of How

A Newly

Established

Institution The

Indian Institute

Of Technology,

Bookmark File

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Institute Of

Technology

Kanpur

***Kanpur Achieved
Pre-Eminence In
A Short Period Of
Time, And How
Today, As It
Completes Fifty
Years, It Is Poised
For A Quantum
Leap In Its
Journey Of
Excellence.***

***Blessed With The
Support Of***

*India'S First
Prime Minister,
Jawaharlal Nehru,
And Lucky To
Have A Visionary
Founder-Director,
Dr P. K. Kelkar,
Iit Kanpur Was
Able To Draw On
The Rich
Experience Of
Nine Famous Us
Universities,*

Bookmark File

PDF IITK Indian

Institute Of

***Backed By Us
Government***

Funds. Breaking

Loose From

Established

Educational

Patterns Both In

India And

Abroad, IIT

Kanpur Went In

For An Innovative

Broad-Based

Curriculum With

Bookmark File

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Institute Of

Technology

Kannur

***Sciences And
Humanities And
Social Sciences
Forming An
Essential
Component. It
Also Introduced
In India The
Concepts Of The
Semester System,
A Continuous
Evaluation Of
Students And***

Bookmark File

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Institute Of

Technology

Kannur

***Letter Grades. An
Open,
Participatory
Ambience
Transformed The
Students,
Representing The
Cream Of India,
Into Firebrands
With A Midas
Touch. They Went
On To Make A
Name For***

Bookmark File

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Institute Of

***Themselves,
Their Alma Mater***

And Their

Country Across A

Wide Spectrum,

Even Beyond

Their Fields Of

Specialization.

From An

Important

Discovery About

Prime

Numbers(By

Institute Of
Technology
Kannur

***Maninder
Agarwal), To
Rising To Be The
Head Of The
Reserve Bank Of
India (Duvvuri
Subbarao), To
Selfless Public
Service
(Satyendra
Dubey), To
Becoming Icons
Of Environment***

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Institute Of

Technology

Kanpur

(Anil Agarwal)

And Entrepreneur

ship(N.R.

Narayana Murthy

In India And

Umang Gupta In

Silicon Valley),

The Students Of

IIT Kanpur Have

Shown

Extraordinary

Versatility. What

Gave The Faculty,

Bookmark File

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Institute Of

Technology

Kannur

***The Students And
Staff A Deep
Sense Of
'Ownership' Of
The Institute Was
The Fact That
They Pioneered A
Large Number Of
Exceptional
Activities,
Whether In
Computers Or
Materials Science***

Bookmark File

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Institute Of

***Education Or A
Student-Operated***

Television Studio.

How The Institute

Overcame The

Hurdles In Its

Path Is A Heart-

Warming Saga In

Itself. Today, As

Iit Kanpur

Continues On Its

Dynamic Path, It

Is Exhilarating To

Bookmark File

PDF litk Indian

Institute Of

Technology

Kannur

***Know That Such
'Nalandas' Can
Indeed Be Built
And Sustained In
Modern India.***

***This volume
consists of the
proceedings of
the 22nd
International
Conference on
the Foundations
of Software***

Bookmark File

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Institute Of

**Technology and
Theoretical**

Computer

Science (FSTTCS

2002), organized

under the

auspices of the

Indian

Association for

Research in

Computing

Science (IARCS).

The conference

Bookmark File

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Institute Of

Technology,

Kanpur

was held at the Indian Institute of Technology, Kanpur during December 12-14, 2002. The conference attracted 108 submissions (of which two were withdrawn). Of these, a total of 26 papers were

Institute Of
Technology
Kannur
***selected for
presentation in
the conference.***

***As in the last
year, the PC
meeting was held
electronically
(stretching over
nearly three
weeks in August
2002) and was a
great success. In
addition to the***

Institute Of
Technology
Kannur

**contributed
papers, we had
?ve invited
speakers this
year: Hendrik
Lenstra, Jr.,
Harry Mairson,
Dale Miller, Chih-
Hao Luke Ong,
and Margus
Veanes. We thank
them for
accepting our**

***invitation and for
providing
abstracts (or even
full papers) for
the proceedings.
Two workshops
were organized in
conjunction with
the conference -
both in Kanpur. A
workshop on
Parameterized
Complexity was***

Institute Of
Technology
Kannur

***held during
December 10-11,
organized by
Mike Fellows and
Venkatesh
Raman. The
second workshop
actually consisted
of three
miniworkshops:
on Coding Theory
by Madhu Sudan;
on Finite Field***

Institute Of
Technology
Kannur

***Algorithms by
Hendrik Lenstra,
Jr.; and on Sieve
Theory by R.
Balasubramanian
. We wish to
thank all the
reviewers and PC
members who
contributed
greatly to making
the conference a
success. We also***

wish to thank the team at Springer-Verlag for their help in preparing the proceedings. Over the last two decades, globalisation has accelerated international migration flows, particularly of skilled labour.

Yet increasing migration by skilled workers from developing countries («brain drain») has raised serious concerns internationally about the adverse development impact on their countries of origin. This book,

***however,
highlights the
positive aspects
of skilled labour
migration as
scientific
diasporas are
playing a growing
role in the
transfer of
technology, skills
and knowledge
(«brain gain») to***

their home countries. This is a very significant development in a globalised world where science, technology and knowledge can trigger economic and social transformations. The book presents solid

Bookmark File

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Institute Of

Technology

Kannur

***empirical
evidence of the
contributions
scientific
diasporas make
to their countries
of origin, based
on primary
surveys of skilled
migrants from
Colombia, India
and South Africa
employed in***

Bookmark File

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Institute Of

Technology

Kannur

Switzerland, a major destination country. The findings lead to a better understanding of the motives for migration, the profile of the scientific diaspora communities in Switzerland, and

the varied ways in which they help their home countries. The book makes a significant contribution to the international policy debate and dialogue on migration and development. In particular, it

shows how to leverage the potential of scientific diasporas as agents of home country development, by identifying good practices and offering specific recommendations for the countries

Bookmark File

PDF litk Indian

Institute Of

*of origin and of
destination.*

Digital

*Communications
and Signal*

Processing

(Second Edition)

Third

International

Conference,

OPAALS 2010,

Aracujú, Sergipe,

Brazil, March

Bookmark File
PDF litk Indian

Institute Of
Technology
Kanpur
**22-23, 2010,
Revised Selected
Papers**

**22nd Conference
Kanpur, India,
December 12-14,
2002,**

**Proceedings
Digital Eco-
Systems**

**Proceedings of
the ...**

International

Bookmark File
PDF litk Indian

Institute Of
**Conference on
Technology
Kannur**
**Power
Electronics,
Drives and
Energy Systems
for Industrial
Growth
Institutions,
Technologies and
Higher Education**
With about
200,000 entries,

Bookmark File
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Institute Of
Technology
Kanpur
StarBriefs Plus
represents the
most

comprehensive
and accurately
validated collection
of abbreviations,
acronyms,
contractions and
symbols within
astronomy, related
space sciences

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Technology

Kanpur

and other related fields. As such, this invaluable reference source (and its companion volume, StarGuides Plus) should be on the reference shelf of every library, organization or individual with any

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Technology

Kanpur

interest in these
areas. Besides
astronomy and
associated space
sciences, related
fields such as
aeronautics,
aeronomy,
astronautics,
atmospheric
sciences,
chemistry,

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Institute Of

communications,

Technology
computer

Kanpur
sciences, data

processing,

education,

electronics,

engineering,

energetics,

environment,

geodesy,

geophysics,

information

handling,
management,
mathematics,
meteorology,
optics, physics,
remote sensing,
and so on, are
also covered when
justified. Terms in
common use
and/or of general
interest have also

Bookmark File

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Institute Of

Technology

Kanpur

been included
where appropriate.

Selected Topics in
Photonics

Public Affairs and
Administration:

Concepts,
Methodologies,
Tools, and
Applications

Befehlsblatt der
NSDAP.,

Bookmark File

PDF litk Indian

Institute Of

Gebietsführung

Mittelland 15,

Bund Deutscher

Mädel in der Hitler-

Jugend

Basic Electrical

Engineering

Education,

Research and

Training

The Technological

Indian