

Fog and Cloud Computing

Author :	Kamatchi K. S.
ISBN 13 :	978-93-55382-39-9
ISBN 10 :	93-55382-39-1
E-ISBN 13 :	978-93-55382-39-9
Edition :	First
Pages :	120
Type of book :	Paperback
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 198.00
Categories :	Sathyabhama Series
Condition Type :	New
Country Origin :	India

Product Description

Fog and Cloud Computing This book serves as a comprehensive and essential guide to mastering the modern landscape of cloud and fog computing, two fundamental technologies reshaping the digital era. The core purpose of this text is to provide a robust understanding of Cloud Computing, exploring its history, characteristics, architectural framework, and the key benefits of virtualization. It thoroughly details the major service models—Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS)—and analyzes the deployment models (Public, Private, and Hybrid Cloud) used by global players like Amazon, Microsoft, and IBM. Crucially, the book extends this foundation into the emerging field of Fog Computing. Fog computing is presented as an indispensable, decentralized architectural layer that addresses the challenges of high latency and network congestion caused by the massive scale of Internet of Things (IoT) devices on traditional, centralized cloud systems. By covering cloud management, security strategies, and the transition to the edge network, this resource aims to bridge the gap between theoretical concepts and their practical, real-world applications. The target audience includes students, IT professionals, researchers, and technology enthusiasts seeking to leverage cloud infrastructure for innovation, digital transformation, and professional growth. **Salient Features:**

- **Core Architectural Framework:** Provides a clear overview of cloud computing history, fundamental characteristics (e.g., scalability, multi-sharing), and the architectural components that enable robust cloud services.
- **Essential Service Models:** Dedicated coverage of the foundational service paradigms: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), explaining their structure and real-world utility.
- **In-Depth Virtualization:** Details the need for and types of virtualization (hardware, OS), including deep dives into essential hypervisors like Xen, KVM, and Hyper V, and open-source cloud platforms like Eucalyptus.
- **Cloud Security & Governance:** Addresses critical challenges of cloud data management, data center tiers, and essential security protocols like multi-factor authentication, data privacy, and strategies for avoiding vendor lock-in.
- **Industry Landscape Analysis:** Analyzes the competitive landscape by profiling major cloud players (e.g., AWS, Microsoft, IBM) and detailing the advantages



Table of Contents

- Cloud Computing
- Cloud Service Models
- Cloud Deployment Models and Virtualization
- Management in Cloud Computing and Security
- Fog Computing

Author

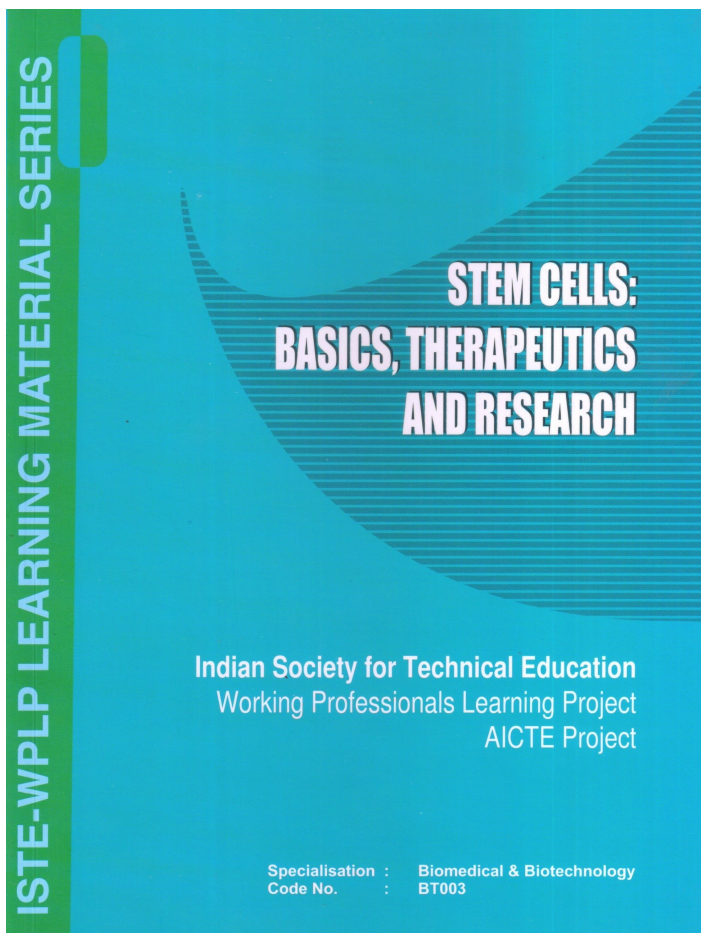
P. Jeyanthi, Sankari M., Kamatchi K. S.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Stem Cells: Basics, Therapeutics and Research

Author :	Joshua Peter
ISBN 13 :	978-93-55388-30-8
ISBN 10 :	93-55388-30-6
E-ISBN 13 :	978-93-55388-30-8
Edition :	1
Pages :	120
Type of book :	Paperback
Weight (g) :	260.00
Year :	2016
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 175.00
Categories :	BIOMEDICAL & BIOTECHNOLOGY , ISTE Series
SKU :	1725552353
Condition Type :	New
Country Origin :	India

Product Description

The objective of this book is to provide basic knowledge on types of stem cells, its isolation, and its application in both research and clinical fields, and also to know ethical aspects involved in stem cell culture and application. **Stem cells:** Stem Cells are Master cells. There are three kinds of stem Cells: Totipotent (literally all powerful), a newly fertilized egg, Pluripotent (Pluri-Many), an embryo with 50-100 cells, beings to differentiate, Multipotent (Range of Cell Types), obtained from fetal and mature human. This book covers sources, properties of different types of stem cells. **A Clone:** There are two types of Cloning, derived from nuclear transfer technology. Therapeutic Clone- Production of replacement of cells and tissues genetically compatible with patient. Reproductive clone-this will produce genetically identical offspring to one of his or her parents (Dolly the sheep). **Embryonic Stem Cells:** These are isolated from inner cell mass (ICM) of the Blastocyst. It proliferates extensively "in-vitro", maintains a normal diploid karyotype over extended culture and differentiates with derivatives of all the three germ layers -ectoderm and mesoderm. Express high levels of Oct 4, a transcription factor specific to ICMs of Blastocyst, show high level of telomerase activity.

Table of Contents

FOREWORD

PREFACE

Chapter 1: Stem Cells- Basics.

Chapter 2: Adult Stem Cells in Therapy and Research.

Chapter 3: Human Reproduction and Stem Cells.

Chapter 4: Human Embryonic Stem Cell.

Chapter 5: Application of Human Embryonic Stem Cells and Their Derivatives.

Chapter 6: Cloning.

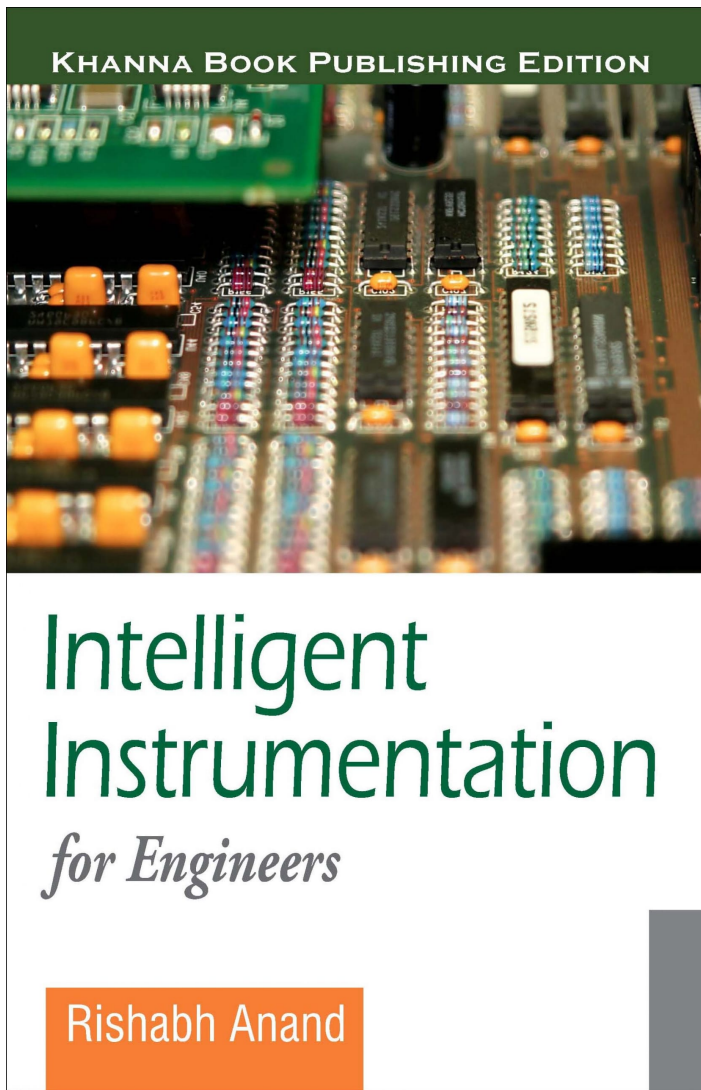
Chapter 7: Scientific and Ethical Debate.



Author

Dr. Peter did his Ph.D. in Human Cytogenetics from University of Bombay in the year 1978, at present known as National Institute for Research in Reproductive Health (NIRRH), Indian Council of Medical Research (ICMR), Mumbai. His initial training was in Human Cytogenetics, at present, he has more than 40 years of experience in the field of cell culture techniques, with a vast knowledge in tissue culture-growing lymphocytes, amniotic cell cultures, organ culture techniques. He is well experienced in making tissue culture media and handling long term fibroblast cultures, which made it possible for him to publish several papers in International journals in Human Genetics on congenital malformation and infertility. He has also presented papers at both National and International Conferences. He has conducted several training programs in Human cytogenetics and guide many students for MSc and PhD degree. He has taught for more than ten years in both Bombay and Bangalore University.





Intelligent Instrumentation for Engineers

Author :	Rishabh Anand
ISBN 13 :	978-93-81068-85-4
ISBN 10 :	93-81068-85-2
E-ISBN 13 :	978-93-81068-85-4
Edition :	1
Pages :	120
Type of book :	Paperback
Weight (g) :	172.00
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 85.00
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

Covers the complete latest syllabus of intelligent instrumentation for engineers prescribed by M.D.U. Rohtak. Encourages students to use an easy-to-understand system help them think critically about intelligent instrumentation. This book will be a boon to students and will help them to face examination in confident manner. Very lucid and simplified approach to understand the subject. Subject matter in each chapter developed systematically from figures and examples. All topics are explained in an easy manner followed by numerous figures and case studies. Provides user-friendly approach. Model question papers according to latest examination pattern for MDU are added. Review questions are included at the end of each chapter. These exercises allow students additional practice with each of the topics covered in the book.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Table of Contents

Chapter 1: Introduction. **Chapter 2:** Interfacing Instruments and Computers. **Chapter 3:** Instrumentation Computer Networks. **Chapter 4:** Software Filters. **Appendix A Appendix B Model Test Paper For Practice**

Author

Rishabh Anand Rishabh Anand received his Bachelor's degree B.E (Hons) in Electronics and Communication Engineering from Maharishi Dayanand University, Rohtak in 2006. The author is M.Tech. in Electronics and Communication Engineering from Veer Bahadur Singh Purvanchal University, Jaunpur in 2014, and MBA from Indian Institute of Management, Kozhikode in 2016. The Author is Program Diploma in Innovation Management from International Business Management Institute, Germany (Berlin) in 2020. The author has contributed to research publications in refereed, cited International Conferences and Journals, and attended many conferences, workshops, FDPs, and seminars. Also, he is the reviewer member of IJSDR Journal. He is a prolific author with 34 Text and Reference books to his credit, for B. Tech. (ECE/CSE/IT), M.Tech. (ECE/CSE/IT), BCA, MCA, and other courses of different Universities of India and overseas. His areas of interest include Software Project Management, Cloud Computing, Deep Learning, Tensor Flow, Python, R Programming and Machine Learning. He is currently working in ITES industry as a Global Service Delivery Manager. He is Project Management Professional (PMP)®, ITIL® Foundation Certificate in IT Service Management, PRINCE2® Practitioner Certification - Project Management, ScrumMaster® (CSM®), Certified Six Sigma White Belt (CSSWB™), Lean Six Sigma White Belt Certified (LSSWBC™) and Certified Six Sigma Green Belt™ (CSSGB™). The author delivers lectures as Visiting Faculty (Assistant Professor) in the Global Institute of Technology and Management, Farrukh Nagar, Gurgaon.





Environmental Science

Author :	Subrat Roy
ISBN 13 :	978-93-91505-65-3
ISBN 10 :	93-91505-65-1
E-ISBN 13 :	978-93-91505-65-3
Edition :	First
Pages :	120
Type of book :	Paperback
Weight (g) :	200.00
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks, APPLIED SCIENCES & HUMANITIES, Ebooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

“Environmental Science” is an audit course for the first year Diploma programme in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome- based education. Book covers four units- Ecosystem, Air and Noise Pollution, Renewable Sources of Energy and Solid waste management, ISO 14000 & Environmental Management, Every unit contains as set of exercise at the end of each unit to test the student’s comprehension. Some salient features of the book: 1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.2. Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc. 3. Student and teacher centric subject materials included in book with balanced and chronological manner. 4. Figures and tables are insert to improve clarity of the topics.5. Objective questions, Short questions and long answer exercise given for practice of students after every unit.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Table of Contents

Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and symbols, List of Figures, Guidelines for Teachers, Guidelines for Students, Unit 1: Ecosystem. **Unit 2:** Air and Noise pollution. **Unit 3:** Renewable sources of Energy. **Unit 4:** Soil waste Management, ISO 14000& Environmental management. **Important Day Related to Environment CO and Po Attainment Table Index.**

Author

Subrat Roy



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Environmental Science

Author :	Subrat Roy
ISBN 13 :	978-93-55380-83-8
ISBN 10 :	93-55380-83-6
E-ISBN 13 :	978-93-55380-83-8
Edition :	First
Pages :	120
Type of book :	Paperback
Weight (g) :	200.00
Year :	2025
Language :	Gujarati
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks , Ebooks , Gujarati Books
Condition Type :	New
Country Origin :	India

Product Description

“Environmental Science” is an audit course for the first year Diploma programme in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome- based education. Book covers four units- Ecosystem, Air and Noise Pollution, Renewable Sources of Energy and Solid waste management, ISO 14000 & Environmental Management, Every unit contains as set of exercise at the end of each unit to test the student’s comprehension. Some salient features of the book: 1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes. 2. Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc. 3. Student and teacher centric subject materials included in book with balanced and chronological manner. 4. Figures and tables are insert to improve clarity of the topics. 5. Objective questions, Short questions and long answer exercise given for practice of students after every unit.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Table of Contents

Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and symbols, List of Figures, Guidelines for Teachers, Guidelines for Students, Unit 1: Ecosystem. **Unit 2:** Air and Noise pollution. **Unit 3:** Renewable sources of Energy. **Unit 4:** Soil waste Management, ISO 14000& Environmental management. **Important Day Related to Environment CO and Po Attainment Table Index.**

Author

Subrat Roy



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320