

PG diploma in Cyber Security (Implement from 2018)

SYLLABUS OF POST GRADUATE DIPLOMA IN CYBER SECURITY FIRST SEMESTER

I SEMESTER								
Subject Code	Subjects	Theory Hours/Week	Practical Tutorial/Hours/Week	Duration of exams (Hrs)	Marks & Credits			
					IA C1,C2,C3	Exam	Total	Credits
HARD CORE								
PGD-IMCS-101	Foundations of Information Systems and Technology	3L	-	3	60	40	100	3
PGD-IMCS-102	Cyber Crime and Security	3L	-	3	60	40	100	3
PGD-IMCS-103	Web Technologies	3L	-	3	60	40	100	3
PGD-IMCS-104	Computer Networks	3L	-	3	60	40	100	3
PGD-IMCS-105	Object Oriented Programming	3L	-	3	60	40	100	3
SOFT CORE								
PGD-IMCS-106	Programming Language / DBMS Lab	4L	-	3	60	40	100	3
PGD-IMCS-107	LMAP/WAMP Lab	-	06	3	60	40	100	3
	Total	20	06	21	210	490	700	21

PGD-IMCS-101- FOUNDATION OF INFORMATION SYSTEMS AND TECHNOLOGY

UNIT I: Information Technology – 1:

Computer Hardware-Computer System Concept-Computer Peripherals-Input-Output and Storage Technologies-Case Studies.

UNIT II Information Technology-2:

Computer Software-System Software-Operating Systems-Network Management Systems-Database Management Systems Programming Language-Programming Packages-Case Studies.

UNIT III: Importance of Information Systems

-A Global Information Society Fundamental Roles of Information Systems-Business Process Reengineering Case Studies.

UNIT IV: Fundamentals of Information Systems:

System Concepts-Components of an Information Systems-Information Systems Resources and Activities Recognizing Information Systems-Case Studies. Overview of Information Systems: A Expanding Roles of Information Systems-Corporations Support Systems-Transactions Processing-Process control and Enterprise Collaboration System-Management Support System-DSS and EIS-Expert Systems-Knowledge Management System-Strategic Information Systems

REFERENCES:

1. Management Information Systems by James O’Brean (Galgotia)
2. Laudon, Kenneth C., and Jane P. Laudon. 2007. Management Information Systems: Managing the Digital Firm, 10th Edition, Upper Saddle River, New Jersey: Prentice-Hall, Incorporated. ISBN: 0132337746
3. Information Technology for Management by Henry Lucas (Mc Graw Hill)
4. Corporate Information Systems Management by Applegate, Mcfarlan & Makenny (Mc Graw Hill)
5. E-Commerce by C.S.V. Murthy (Himalaya Publishing House)
6. Carol V. Brown, Daniel W. DeHayes, Jeffrey A. Hoffer, Martin, E. Wainright, and William C. Perkins. 2008. Managing Information Technology, 6th edition. Upper Saddle River, New Jersey: Prentice-Hall, Incorporated.
7. Turban, Efraim, Ephraim McLean, and James Wetherbe. 2007. Information Technology for Management: Transforming Organizations in the Digital Economy. New York, New York

PGD-IMCS-102- CYBER CRIME AND SECURITY

UNIT I Overview?

Computer Intrusions and Attacks (Unauthorized Access)
Computer Viruses, Time Bombs, Trojans, Malicious Code (Malware)
Online Fraud and Identity Theft; Intellectual Property Theft; Virtual Crime
Online Vice: Gambling; Pornography; Child Exploitation
International Aspects and Jurisdiction

UNIT II: Infrastructure and Information Security; Risk Management

UNIT III: Investigating Cybercrime: Digital Evidence and Computer Forensics
Interception, Search and Seizure, and Surveillance

UNIT IV: Information Warfare, Cyberterrorism, and Hacktivism
Terrorism, Radicalization, and The War of Ideas, Trade Secret Theft and Economic Espionage, National Security

<http://www.information-retrieval.info/cybercrime/index14.html> **TEXT BOOKS:**

David J. Loundy, COMPUTER CRIME, INFORMATION WARFARE, AND ECONOMIC ESPIONAGE, Carolina Academic Press (2003) (ISBN:0890891109).

Jack Balkin, et al. eds., CYBERCRIME: Digital Cops in a Networked World (NYU Press 2007) (ISBN:0814799833).

REFERENCES

Orin S. Kerr, COMPUTER CRIME LAW: AMERICAN CASEBOOK SERIES (2006) (ISBN:0314144005).

Ralph D. Clifford, CYBERCRIME: THE INVESTIGATION, PROSECUTION AND DEFENSE OF A COMPUTER-RELATED CRIME (Second Edition 2006) (ISBN:0890897239).

Samuel C. McQuade, III, UNDERSTANDING AND MANAGING CYBERCRIME (2006) (ISBN:020543973X).

Peter Stephenson, INVESTIGATING COMPUTER RELATED CRIME (2000) (ISBN:0849322189).

Joel McNamara, SECRETS OF COMPUTER ESPIONAGE: TACTICS AND COUNTERMEASURES (2003) (ISBN:0764537105).

PGD-IMCS-103- WEB TECHNOLOGIES

UNIT-I:

HTML Common tags:- List, Tables, images, forms, Frames; Cascading Style sheets;

Introduction to Java Scripts, Objects in Java Script, Dynamic HTML with Java Script

UNIT-II:

XML: Document type definition, XML Schemas, Document Object model, Presenting XML, Using XML Processors: DOM and SAX

Java Beans: Introduction to Java Beans, Advantages of Java Beans, JDK Introspection, Using Bound properties, Bean Info Interface, Constrained properties Persistence, Customizes, Java Beans API, Introduction to EJB's

UNIT III:

Web Servers and Servlets: Tomcat web server, Introduction to Servlets: Lifecycle of a Servlet, JSDK, The Servlet API, The javax.servelet Package, Reading Servlet parameters, Reading Initialization parameters. The javax.servelet HTTP package, Handling Http Request & Responses, Using Cookies-Session Tracking, Security Issues,

UNIT-IV:

Introduction to JSP: The Problem with Servlet. The Anatomy of a JSP Page, JSP Processing. JSP Application Design with MVC Setting Up and JSP Environment: Installing the Java Software Development Kit, Tomcat Server & Testing Tomcat

JSP Application Development: Generating Dynamic Content, Using Scripting Elements Implicit JSP Objects, Conditional Processing – Displaying Values Using an Expression to Set an Attribute, Declaring Variables and Methods Error Handling and Debugging Sharing Data Between JSP pages, Requests, and Users Passing Control and Date between Pages – Sharing Session and Application Data – Memory Usage Considerations

Database Access: Database Programming using JDBC, Studying javax.sql.* package, Accessing a Database from a JSP Page, Application – Specific Database Actions, Deploying JAVA Beans in a JSP Page, Introduction to struts framework..

TEXT BOOKS:

1. Web Programming, building internet applications, Chris Bates 2nd edition, WILEY Dreamtech (UNIT s 1,2 ,3)
2. The complete Reference Java 2 Fifth Edition by Patrick Naughton and Herbert Schildt. TMH (Chapters: 25) (UNIT 4)
3. Java Server Pages –Hans Bergsten, SPD O'Reilly (UNITs 5,6,7,8)
- 4.

REFERENCE BOOKS:

1. Programming world wide web-Sebesta,Pearson
2. Core SERVLETS ANDJAVASERVER PAGES VOLUME 1: CORE TECHNOLOGIES By

- Marty Hall and Larry Brown Pearson
3. Internet and World Wide Web – How to program by Dietel and Nieto PHI/Pearson Education Asia.
 4. Jakarta Struts Cookbook , Bill Siggelkow, S P D O'Reilly for chap 8.
 5. Murach's beginning JAVA JDK 5, Murach, SPD
 6. An Introduction to web Design and Programming –Wang-Thomson
 7. Web Applications Technologies Concepts-Knuckles,John Wiley
 8. Programming world wide web-Sebesta,Pearson
 9. Web Warrior Guide to Web Programmimg-Bai/Ekedaw-Thomas
 10. Beginning Web Programming-Jon Duckett WROX.
 11. Java Server Pages, Pekowsky, Pearson.

PGD-IMCS-104- COMPUTER NETWORKS

UNIT - I

Overview of the Internet: Protocol, Layering Scenario, TCP/IP Protocol Suite: The OSI Model, Internet history standards and administration; Comparioson of the OSI and TCP/IP reference model.

Physical Layer: Guided transmission media, wireless transmission media.

Data Link Layer - design issues, CRC codes, Elementary Data Link Layer Protocols, sliding window prorocol

Network Layers: Network Layer Design issues, store and forward packet switching connection less and connection oriented networks-routing alhorithms-optimality principle, shortest path, flooding, Distance Vector Routing, Control to Infinity Problem, Hierarchical Routing, Congestion cointrol algorithms, admission control

UNIT - II:

Multi Access Protocols - ALOHA, CSMA, Collision free protocols, Ethernet- Physical Layer, Ethernet Mac Sub layer, data link layer switching & use of bridges, learning bridges, spanning tree bridges, repeaters, hubs, bridges, switches, routers and gateways.

UNIT - III:

. Internetworking: Tunneling, Internetwork Routing, Packet fragmentation, IPv4, IPv6 Protocol, IP addresses, CIDR, IMCP, ARP, RARP, DHCP.

Transport Layer: Services provided to the upper layers elements of transport protocol-addressing connection establishment, connection release, Connection Release, Crash Recovery.

UNIT - IV:

The Internet Transport Protocols UDP-RPC, Real Time Transport Protocols, The Internet Transport Protocols- Introduction to TCP, The TCP Service Model, The TCP Segment Header, The Connection Establishment, The TCP Connection Release, The TCP Connection Management Modeling, The TCP Sliding Window, The TCP Congestion Control, The future of TCP.

Application Layer- Introduction, providing services, Applications layer paradigms, Client server model, Standard client-server application-HTTP, FTP, electronic mail, TELNET, DNS, SSH

TEXT BOOKS:

1. Data Communications and Networking - Behrouz A. Forouzan, Fifth Edition TMH, 2013.
2. Computer Networks - Andrew S Tanenbaum, 4th Edition, Pearson Education.

REFERENCE BOOKS:

1. An Engineering Approach to Computer Networks - S. Keshav, 2nd Edition, Pearson Education.
2. Understanding communications and Networks, 3rd Edition, W. A. Shay, Cengage Learning.
3. Introduction to Computer Networks and Cyber Security, Chwan-Hwa (John) Wu, J. David Irwin, CRC Press.
4. Computer Networks, L. L. Peterson and B. S. Davie, 4th edition, ELSEVIER.
5. Computer Networking: A Top-Down Approach Featuring the Internet, James F. Kurose, K. W. Ross, 3rd Edition, Pearson Education.

PGD-IMCS-105- OBJECT ORIENTED PROGRAMMING

UNIT I :

Object oriented thinking :- Need for oop paradigm, A way of viewing world – Agents, responsibility, messages, methods, classes and instances, class hierarchies (Inheritance), method binding, overriding and exceptions, summary of oop concepts, coping with complexity, abstraction mechanisms.

Java Basics: History of Java, Java buzzwords, datatypes, variables, scope and life time of variables, arrays, operators, expressions, control statements, type conversion and costing,

simple java program, classes and objects – concepts of classes, objects, constructors, methods, access control, this keyword, garbage collection, overloading methods and constructors, parameter passing, recursion, string handling.

Inheritance – Hierarchical abstractions, Base class object, subclass, subtype, substitutability, forms of inheritance- specialization, specification, construction, extension, limitation, combination, benefits of inheritance, costs of inheritance. Member access rules, super uses, using final with inheritance, polymorphism- method overriding, abstract classes.

UNIT II:

Packages and Interfaces : Defining, Creating and Accessing a Package, Understanding CLASSPATH, importing packages, differences between classes and interfaces, defining an interface, implementing interface, applying interfaces, variables in interface and extending interfaces.

Exploring packages – Java.io, java.util.

Exception handling and multithreading - Concepts of exception handling, benefits of exception handling, Termination or resumptive models, exception hierarchy, usage of try, catch, throw, throws and finally, built in exceptions, creating own exception sub classes. Differences between multi threading and multitasking, thread life cycle, creating threads, synchronizing threads, daemon threads, thread groups.

UNIT III :

Event Handling : Events, Event sources, Event classes, Event Listeners, Delegation event model, handling mouse and keyboard events, Adapter classes, inner classes. The AWT class hierarchy, user interface components- labels, button, canvas, scrollbars, text components, check box, check box groups, choices, lists panels – scrollpane, dialogs, menubar, graphics, layout manager – layout manager types – boarder, grid, flow, card and grib bag.

UNIT IV :

Applets – Concepts of Applets, differences between applets and applications, life cycle of an applet, types of applets, creating applets, passing parameters to applets.

Swing – Introduction, limitations of AWT, MVC architecture, components, containers, exploring swing- JApplet, JFrame and JComponent, Icons and Labels, text fields, buttons – The JButton class, Check boxes, Radio buttons, Combo boxes, Tabbed Panes, Scroll Panes, Trees, and Tables.

Networking – Basics of network programming, addresses, ports, sockets, simple client server program, multiple clients, Java .net package
Packages – java.util,

TEXT BOOKS :

1. Java; the complete reference, 7th editon, Herbert schildt, TMH.
2. Understanding OOP with Java, updated edition, T. Budd, pearson education.

REFERENCES :

1. An Introduction to programming and OO design using Java, J.Nino and F.A. Hosch, John wiley & sons.
2. An Introduction to OOP, second edition, T. Budd, pearson education.
3. Introduction to Java programming 6th edition, Y. Daniel Liang, pearson education.
4. An introduction to Java programming and object oriented application development, R.A. Johnson- Thomson.
5. Core Java 2, Vol 1, Fundamentals, Cay.S.Horstmann and Gary Cornell, seventh Edition, Pearson Education.
- 6 .Core Java 2, Vol 2, Advanced Features, Cay.S.Horstmann and Gary Cornell, Seventh Edition, Pearson Education
7. Object Oriented Programming through Java, P. Radha Krishna, University Press.

SYLLABUS OF POST GRADUATE IN CYBER SECURITY

SECOND SEMESTER

II SEMESTER								
Subject Code	Subjects	Theory Hours/Week	Practical Tutorial/Hours/Week	Duration of exams(Hrs)	Marks & Credits			
					IA C2,C2,C3	Exam	Total	Credits
HARD CORE								
PGD-IMCS-201	Cyber Law	3L	-	3	60	40	100	3
PGD-IMCS-202	Cryptography	3L	-	3	60	40	100	3
PGD-IMCS-203	Security Assessment Testing	3L	-	3	60	40	100	3
PGD-IMCS-204	Social Network Analysis	3L	-	3	60	40		3
PGD-IMCS-205	Digital Forensics	3L	-	3	60	40		3
SOFT CORE								
PGD-IMCS-206	Cloud Security/ IET	2L	-	3	60	40	100	2
PGD-IMCS-207	Digital Forensic / Security and Assessment Testing Lab/	---	4	3	60	40	100	2
PGD-IMCS-208	Project	---	8	3	60	40	100	4
	Total Semester	17	12	24	240	560	800	23

PGD-IMCS-201- CYBER LAW

UNIT I:

Introduction Computers and its Impact in Society• Overview of Computer and Web Technology• Need for Cyber Law• Cyber Jurisprudence at International and Indian Level•

UNIT II:

Cyber Law - International Perspectives UN•& International Telecommunication Union (ITU) Initiatives Council of Europe - Budapest Convention on Cybercrime• Asia-Pacific Economic Cooperation (APEC)• Organization for Economic Co-operation and Development (OECD)• World Bank• Commonwealth of Nations

UNIT III:

Constitutional & Human Rights Issues in Cyberspace Freedom of Speech and Expression in Cyberspace• Right to Access Cyberspace – Access to Internet• Right to Privacy• Right to Data Protection

Cyber Crimes & Legal Framework Cyber Crimes against Individuals, Institution and State• Hacking• Digital Forgery• Cyber Stalking/Harassment• Cyber Pornography• Identity Theft•& Fraud Cyber terrorism• Cyber Defamation• Different offences under IT Act, 2000•

UNIT IV:

Cyber Torts Cyber Defamation• Different Types of Civil Wrongs under the IT Act, 2000• Intellectual Property Issues in Cyber Space Interface with Copyright Law• Interface with Patent Law• Trademarks•& Domain Names Related issues Module VII: E Commerce Concept• E-commerce-Salient Features• Online approaches like B2B, B2C•& C2C Online contracts• Click Wrap Contracts• Applicability of Indian Contract Act, 1872•

Dispute Resolution in Cyberspace 1. Concept of Jurisdiction 2. Indian Context of Jurisdiction and IT Act, 2000. 3. International Law and Jurisdictional Issues in Cyberspace. 4. Dispute Resolutions

REFERENCES

Chris Reed & John Angel, Computer Law, OUP, New York, (2007).
 Justice Yatindra Singh, Cyber Laws, Universal Law Publishing Co, New Delhi, (2012). • Verma S,
 K, Mittal Raman, Legal Dimensions of Cyber Space, Indian Law Institute, New Delhi, (2004)
 Jonthan Rosenoer, Cyber Law, Springer, New York, (1997). •
 Sudhir Naib, The Information Technology Act, 2005: A Handbook, OUP, New York, •(2011)
 S. R. Bhansali, Information Technology Act, 2000, University Book House Pvt. Ltd., • Jaipur (2003).
 Vasu Deva, Cyber Crimes and Law Enforcement, Commonwealth Publishers, New Delhi, • (2003).

PGD-IMCS-202- CRYPTOGRAPHY

UNIT 1:

Introduction to Cryptography, Secure communication, privacy, authenticity, integrity, Why is cryptography hard?

Classical Ciphers, One-time pad Shannon's perfect security, Limitation of perfect security

UNIT II:

Block cipher and their cryptanalysis, AES, Pseudo-random functions

Pseudo-random functions II Security Reduction

Modes of Operation

Symmetric key Encryption, Symmetric Key Encryption II, Symmetric Key Encryption III, INC-CCA-Security, Hash Functions, Hash Function II

UNIT III

Message Authentication Scheme, Authenticated Encryption

Message Authentication II, Computational Number Theory, Computational Number Theory I

UNIT IV:

Public Key Encryption and El Gamal

Public Key Encryption and RSA

TEXTBOOK

- D. Stinson Cryptography, Theory and Practice (Third Edition)
- M. Bellare Introduction to Modern Cryptography ([Click on the link "Course](#))

Notes" on the left panel)

- REFERENCES:
- R. Pass and a. shelat. A Course in Cryptography
- M. Bellare: Introduction to Modern Cryptography
- O. Goldreich. The Foundations of Cryptography
- J. Katz and Y. Lindell. Introduction to Modern Cryptography

PGD-IMCS-203- SECURITY ASSESSMENT TESTING

UNIT 1 :

Introduction A brief tour of the course Setting up the testing environment - Kali Linux Overview, Static Analysis for Security

UNIT II

Security Testing of Web-based Systems, OS Kernel Security and Exploitation, Architecture/Design Analysis for Security Attack Patterns, Dynamic Analysis for Security

UNIT III

Fuzz Testing, Security Testing and Analysis for Regulatory Compliance and Standards

UNIT IV :

Assessing Enterprise Security Risks using Vulnerability Scanners, Password Analysis and Testing Design Patterns for Security, Security Testing of Network Protocols

TEXTBOOK

Michael Sutton, Adam Greene, Pedram Amini. Fuzzing: Brute Force Vulnerability Discovery. Tedi Heriyanto, Lee Allen, Shakeel Ali. Kali Linux: Assuring Security By Penetration • Testin

PGD-IMCS-204- SOCIAL NETWORK ANALYSIS

UNIT I :

Introduction to social network analysis, Descriptive network analysis, Network structure

UNIT II :

Node centralities and ranking on network, Network communities ,Affiliation networks

UNIT III :

Information and influence propagation on networks, Network visualization

UNIT IV.

Social media mining, SNA in real world: FB/VK and Twitter analysis

REFERENCES

1. David Easley and John Kleinberg. "Networks, Crowds, and Markets: Reasoning About a Highly Connected World." Cambridge University Press 2010.
2. Eric Kolaczyk, Gabor Csardi. "Statistical Analysis of Network Data with R (Use R!)". Springer, 2014.
3. Stanley Wasserman and Katherine Faust. "Social Network Analysis. Methods and Applications." Cambridge University Press, 1994 15.2.

Supplementary Reading

1. Maarten van Steen. "Graph Theory and Complex Networks. An Introduction", 2010.
2. Reza Zafarani, Mohammed Ali Abbasi, Huan Liu. "Social Media Mining: An Introduction". Cambridge University Press 2014.
3. Maksim Tsvetovat and Alexander Kouznetsov. "Social Network Analysis for Startups". O'Reilly Media, 2011.

PGD-IMCS-205- DIGITAL FORENSICS

UNIT 1:

Introduction to Computer Forensics - Course overview - Understanding the need for computer forensics - Defining computer forensics – Computer Hardware - Understanding the computer components - Digital Media - Hard disk basics

UNIT II

The Forensic Toolkit - Forensic hardware - Hardware write/blockers - Hard drive acquisitions - Processing the scene Hard drive acquisition, Files and File Systems - Windows file systems - FAT32 - NTFS - Forensic file images

UNIT III

– Forensic software - Overview of different software packages - EnCase - Autopsy EnCase introduction – Bookmarking and Searching - Creating basic search queries - Hex, Decimal, and Binary - ASCII – Unicode, Searching evidence for common keywords – Bookmarking and Searching - Creating basic search queries - Hex, Decimal, and Binary - ASCII – Unicode, Searching evidence for common keywords

UNIT IV

GREP - Understanding GREP - Building Regular Expressions - Creating GREP keywords - Viewing and managing keywords and cases E-mail Analysis - Viewing e-mail - Webmail - POP - File Signature Analysis - File signatures - File extensions - Differences between - Identifying Detecting file manipulation Hash Analysis - Understanding hash algorithms - Hashing files - Hash – Other Windows Artifacts - Common windows artifacts - Recycle bin - My Documents - Recent files - Installed programs

TEXTBOOKS: Hacking Exposed: Computer Forensics. Davis, Philipp, and Cowen ISBN: 0-07-225675-3

PGD-IMCS-206- CLOUD SECURITY/IOT

UNIT I

Overview of Computing Paradigm, Recent trends in Computing, Grid Computing, Cluster Computing, Distributed Computing, Utility Computing, Cloud Computing Evolution of cloud computing, Business driver for adopting cloud computing

Introduction to Cloud Computing Cloud Computing (NIST Model) Introduction to Cloud Computing, History of Cloud Computing, Cloud service providers, Properties, Characteristics & Disadvantages, Pros and Cons of Cloud Computing, Benefits of Cloud Computing, Cloud computing vs. Cluster computing vs. Grid computing, Role of Open Standards

Cloud Computing Architecture ,Cloud computing stack, Comparison with traditional computing architecture (client/server), Services provided at various levels, How Cloud Computing Works, Role of Networks in Cloud computing, protocols used, Role of Web services

UNIT II

Service Models (XaaS), Infrastructure as a Service(IaaS), Platform as a service(PaaS), Software as a Service(SaaS)

Deployment Models-Public cloud ,Private cloud, Hybrid cloud, Community cloud,

Infrastructure as a Service(IaaS), Introduction to IaaS, IaaS definition, Introduction to virtualization, Different approaches to virtualization, Hypervisors, Machine Image, Virtual Machine(VM) Resource Virtualization, Server, Storage, Network

Virtual Machine(resource) provisioning and manageability, storage as a service, Data storage in cloud computing(storage as a service) Examples: Amazon EC2, Renting, EC2 Compute Unit, Platform and Storage, pricing, customers, Eucalyptus

Platform as a Service(PaaS) -Introduction to PaaS, What is PaaS, Service Oriented Architecture (SOA) Cloud Platform and Management, Computation, Storage, Examples: Google App Engine, Microsoft Azure, Salesforce.com s Force.com platform, Software as a Service(PaaS), Introduction to SaaS, Web services, Web 2.0, Web OS, Case Study on SaaS

UNIT III

Service Management in Cloud Computing, Service Level Agreements(SLAs), Billing & Accounting, Comparing Scaling Hardware: Traditional vs. Cloud, Economics of scaling: Benefitting enormously, Managing Data-Looking at Data, Scalability & Cloud Services, Database & Data Stores in Cloud Large Scale Data Processing

UNIT IV

Cloud Security, Infrastructure Security, Network level security, Host level security, Application level security, Data security and Storage, Data privacy and security Issues, Jurisdictional issues raised by Data location, Identity & Access Management, Access Control, Trust, Reputation,

Risk, Authentication in cloud computing, Client access in cloud, Cloud contracting Model, Commercial and business considerations, Case Study on Open Source & Commercial Clouds – Eucalyptus, Microsoft Azure, Amazon EC2

IOT- INTRODUCTION AND SECURITY

REFERENCE BOOKS

Cloud Computing Bible, Barrie Sosinsky, Wiley-India, 2010

Cloud Computing: Principles and Paradigms, Editors: Rajkumar Buyya, James Broberg, Andrzej M. Goscinski, Wiley, 2011

Cloud Computing: Principles, Systems and Applications, Editors: Nikos Antonopoulos, Lee Gillam, Springer, 2012

Cloud Security: A Comprehensive Guide to Secure Cloud Computing, Ronald L. Krutz, Russell Dean Vines, Wiley-India, 2010

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