


CLOUD COMPUTING

A GUIDE FOR THINKING HUMANS



DR. NAVNEET SHARMA
DR. BUDESH KANWER
DR. DHARMVEER YADAV
DR. MAHAVEER KUMAR SAIN


Principal
St. Xavier's College Jaipur
Nevta-Mahapura Road, Jaipur

Cloud Computing: A Guide For Thinking Humans

Dr. Navneet Sharma
Dr. Budesh Kanwer
Dr. Dharmveer Yadav
Dr. Mahaveer Kumar Sain


BOOK RIVERS
WE CREATE READERS


Principal
St. Xavier's College Jaipur
Nevta-Mahapura Road, Jaipur

Published By: Book Rivers

Website: www.bookrivers.com

Email: publish@bookrivers.com

Mobile: +91-9695375469

Place: Lucknow

First Edition: 2022

MRP: 499/-INR

ISBN: 978-93-5515-661-7

Copyright©: Authors

All Rights Reserved

No part of this publication may be reproduced, transmitted or stored in a retrieval system, in any form or by any means, electronic, mechanical, photocopying recording or otherwise, without the prior permission of the author.

[Printed In India]


Principal
St. Xavier's College Jaipur
Nevta-Mahapura Road, Jaipur

CONTENTS

Title	Page No
CHAPTER-1	1-15
INTRODUCTION	
An introduction to the online storage and processing environment	2
Visual Representation of Cloud Computing Idea	3
A description of the cloud	5
Closer Examination of the Concept	6
Models of Services for Online Computing on the Cloud	11
SaaS	11
IaaS	12
PaaS	13
Benefits of Cloud Computing	14
CHAPTER- 2	16-31
CLOUD COMPUTING MODELS	
IaaS: Its Characteristics and Attributes	19
The Components of SaaS	21
Computing examples that take place on the cloud.	22
Several distinct categories of cloud installations	25
What does "Public Cloud" stand for?	25
What exactly is a "private cloud," though?	26
What is a hybrid cloud?	26
The Platform for Cloud Computing	27
1. The Amazon Service Providers	27
2. Google Cloud Platform	28
3. Microsoft Azure	28
4. Digital Ocean	29
5. IBM Bluemix	30
6. Alibaba	31



Dr. Navneet Sharma (Ph. D (CS), M.Phil., (CS), MCA) working as an Associate Professor in the Department of Computer Science & IT in IIS (deemed to be University), Jaipur, Rajasthan, India. He is having more than 20 years of teaching and 14 years of research experience. His major research areas are Cloud Computing, Data Sciences and information security. He has written 4 books and more than 35 research papers published in indexed international and national journals. Three patents have been published in his name. 6 students have been awarded Ph. D degree under his supervision. He has also presented so many papers in various international and national conferences and attended so many conferences in the capacity of resource person, Keynote speaker and invited guest. He has received various awards for teaching excellence, Outstanding Research from various organizations. He is also associated with so many universities for various research works.



Dr. Budesh Kanwer (B.Sc, MCA, SLET, Ph. D (CS)) working as Professor, Deputy HOD (Admin) in the Department of Artificial Intelligence & Data Science, Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India. She is having more than 13 years of teaching and 8 years of research experience. She is certified trainer of Microsoft AI and Data Fundamentals. Her major research areas are MANETs, Machine Learning and information security. She has written 3 books and more than 15 research papers published in indexed international and national journals. Three patents have been published in her name. She has also presented so many papers in various international and national conferences . She has received Best Teacher Award, for teaching excellence and research work, also received women excellence award. She is member of editorial boards of three journal and having ISTE membership.



Dr. Dharmveer Yadav (Ph.D, M.Phil, MCA, PGDCA) is currently working as a Dean student affairs and Sr. Assistant Professor in the Department of Computer Science, St. Xavier's College Jaipur, Rajasthan. He has teaching and administrative experience of more than 16 years in the field of higher education. He has published more than 30 research papers in various national and international conferences and journals. He has written more than 7 books of computer science.



Dr. Mahaveer Kumar Sain is working in Maharishi Arvind Institute of Science and Management, Ambabari, Jaipur as eminent Professor In Computer Science Department. He is also Member of Maharishi Arvind Software Research and Development Center. He was a former Member of Academic Council and presently member of DRC (PhD in Computer Applications) and BOS(MCA) RTU, KOTA. He has published various Books and papers in International and National Journals and Conferences.



BOOK RIVERS
WE CREATE READERS

BOOK AVAILABLE



ISBN 978-93-5515-661-7



Principal
St. Xavier's College Jaipur
9789355156617
Nevta-Mahapura Road, Jaipur

₹499/-