CLOUD COMPUTING

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PREFACE

This book's **CLOUD COMPUTING** main goal is to provide an overview of the newest Cloud Computing applications and technologies. In addition, the book will try to pinpoint future lines of inquiry and technological advancements that will enable the emergence of a worldwide cloud computing services market that serves commercial, industrial, scientific, and consumer applications. A wider range of people, including systems architects, practitioners, developers, novice researchers, and graduate students, are anticipated to use the book as a reference. Since this field of study is relatively new, there isn't yet a reference book that covers it.

The technology of cloud computing has transformed people's lives, enhanced their convenience and standard of living, and created a better future. The idea that "technology changes life and changes the future" is realistically portrayed by its emergence. On the other hand, cloud computing technology is relatively complex and integrates many different information technologies. For novices, gaining a deeper comprehension of cloud computing technology remains challenging.

There are ten chapters in this book.

Chapter 1: Cloud Computing for IOT: Harnessing the Power of Connected Devices.
Chapter 2: Cloud and Artificial Intelligence: Unlocking New Possibilities Smita Mohan Negi
Chapter 3: Cloud & The Edge: Future of Distributed Computing
Chapter 4: Cloud Computing to Leverage Business Operations
Chapter 5: Cloud and Artificial Intelligence
Chapter 6: Cloud for Supply Chain
Chapter 7: Cloud Native Application
Chapter 8: Cloud Computing for Social Good
Chapter 9: Cloud Based Customer Experience: How Cloud is Revolutionizing CX
Chapter 10: Cloud Disruption

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ABOUT THE EDITORS

Asst. Prof. Saba Ansari is Head of B.Sc (IT and CS) Department at Tilak Education Society's J.K. College of Science and Commerce, where she has been teaching B.Sc. (IT) and B.Sc. (CS) since 2017. She holds an MCA, with an 85% score, and is MH-SET qualified in Computer Science and Applications. Over the course of her teaching career, she has worked at various institutions, including as a coordinator for YCMOU's BCA and BSc-IT programs and a lecturer at Sanpada College, A.P. College, and A.K.I. College. Asst. Prof. Saba has authored 13 academic books and lab manuals, primarily for Mumbai University's Institute of Distance and Open Learning (IDOL). These works cover a wide range of IT and Computer Science topics, including Web Services, Game Programming, Cloud Computing, Distributed Systems, Mobile Computing, and Ethical Hacking, among others. Her contributions have become essential resources for both undergraduate and postgraduate students. With a strong foundation in programming languages such as Java, C, and C++, and expertise in web technologies like HTML, CSS, JavaScript, and Oracle, Saba is dedicated to equipping students with practical, industry-relevant skills. Her focus on developing comprehensive learning materials and contributing to research in areas like web design and software testing underscores her commitment to advancing IT education.

Asst. Prof. Siddhi Malpekar, Teaching Experience:3 years, Industry Experience:2 years, Working as Assistant Professor in the IT Department of J.K College of Science & Commerce and Specialized in Subjects of Data Structure, Python, SQL, Artificial intelligence. In addition to my current role, I have Authored/Co authored Two papers in Tilak Samvida. Published book on Social Media and Communication under Sheth Publication. Contributed as a Research Guide for Avishkar Intercollegiate Fest. Convenor for One day FDP on NEP Sensitisation 2020 policy. Attended 6-day Conference related to Research Methodology and several other workshops. My experience as a professor has helped me develop strong communication and interpersonal skills, which I believe are essential in my current role.

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