

# Mobile Computing In Construction

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**Encyclopedia of Mobile Computing and Commerce** - Taniar, David 2007-04-30  
The "Encyclopedia of Mobile Computing and

Commerce" presents current trends in mobile computing and their commercial applications. Hundreds of internationally renowned scholars

and practitioners have written comprehensive articles exploring such topics as location and context awareness, mobile networks, mobile services, the socio impact of mobile technology, and mobile software engineering.

**Human-Computer Interaction. HCI Applications and Services** - Julie A. Jacko  
2007-08-24

Here is the fourth of a four-volume set that constitutes the refereed proceedings of the 12th International Conference on Human-Computer Interaction, HCII 2007, held in Beijing, China, jointly with eight other thematically similar conferences. It covers business applications; learning and entertainment; health applications; work and collaboration support; web-based and mobile applications; as well as, advanced design and development support.

Mobile Computing Techniques in Emerging Markets: Systems, Applications and Services - Kumar, A.V. Senthil 2012-01-31

"This book provides the latest research and best

practices in the field of mobile computing offering theoretical and pragmatic viewpoints on mobile computing"--Provided by publisher.

**EG-ICE 2020 Workshop on Intelligent Computing in Engineering** - Ungureanu, Lucian Constantin 2020-06-30

The 27th EG-ICE International Workshop 2020 brings together international experts working at the interface between advanced computing and modern engineering challenges. Many engineering tasks require open-world resolutions to support multi-actor collaboration, coping with approximate models, providing effective engineer-computer interaction, search in multi-dimensional solution spaces, accommodating uncertainty, including specialist domain knowledge, performing sensor-data interpretation and dealing with incomplete knowledge. While results from computer science provide much initial support for resolution, adaptation is unavoidable and most importantly, feedback from addressing engineering

challenges drives fundamental computer-science research. Competence and knowledge transfer goes both ways. Der 27. Internationale EG-ICE Workshop 2020 bringt internationale Experten zusammen, die an der Schnittstelle zwischen fortgeschrittener Datenverarbeitung und modernen technischen Herausforderungen arbeiten. Viele ingenieurwissenschaftliche Aufgaben erfordern Open-World-Resolutionen, um die Zusammenarbeit mehrerer Akteure zu unterstützen, mit approximativen Modellen umzugehen, eine effektive Interaktion zwischen Ingenieur und Computer zu ermöglichen, in mehrdimensionalen Lösungsräumen zu suchen, Unsicherheiten zu berücksichtigen, einschließlich fachspezifischen Domänenwissens, Sensordateninterpretation durchzuführen und mit unvollständigem Wissen umzugehen. Während die Ergebnisse aus der Informatik anfänglich viel Unterstützung für die Lösung bieten, ist eine Anpassung unvermeidlich, und am wichtigsten ist, dass das

Feedback aus der Bewältigung technischer Herausforderungen die computerwissenschaftliche Grundlagenforschung vorantreibt. Kompetenz und Wissenstransfer gehen in beide Richtungen.

Mobile Computing Principles - Reza B'Far  
2004-11-01

Written to address technical concerns that mobile developers face regardless of the platform (J2ME, WAP, Windows CE, etc.), this 2005 book explores the differences between mobile and stationary applications and the architectural and software development concepts needed to build a mobile application. Using UML as a tool, Reza B'far guides the developer through the development process, showing how to document the design and implementation of the application. He focuses on general concepts, while using platforms as examples or as possible tools. After introducing UML, XML and derivative tools necessary for developing mobile software applications, B'far

shows how to build user interfaces for mobile applications. He covers location sensitivity, wireless connectivity, mobile agents, data synchronization, security, and push-based technologies, and finally homes in on the practical issues of mobile application development including the development cycle for mobile applications, testing mobile applications, architectural concerns, and a case study.

**Construction Quantity Surveying** - Donald Towey 2012-05-18

The modern quantity surveyor (QS) plays a central role in the management of construction projects, although the exact nature of the role depends on who employs the QS. The Professional Quantity Surveyor engaged by the client and the Contractor's Quantity Surveyor have different roles to play in any construction project, with the contractor's QS role extending beyond measurement to the day-to-day running of building projects, estimating, contract

administration and construction planning, as well as commercial, cost and project management. This book aims to provide readers with a practical guide into quantity surveying from a main contractor's perspective. Readers will acquire an understanding of the skills and competencies required by the contractor's quantity surveyor. Following a brief introduction, the book's early chapters cover measurement methodology and the contractor's business, with the rest of the chapters discussing commercial and contractual management of a construction project, including day-to-day running from commencement through to completion, in a highly practical way.

**Data Management for Mobile Computing** - Evaggelia Pitoura 1998

Universal access and management of information has been one of the driving forces in the evolution of computer technology. Central computing gave the ability to perform large and complex computations and advanced information

manipulation. Advances in networking connected computers together and led to distributed computing. Web technology and the Internet went even further to provide hyper-linked information access and global computing. However, restricting access stations to physical locations limits the boundary of the vision. The real global network can be achieved only via the ability to compute and access information from anywhere and anytime. This is the fundamental wish that motivates mobile computing. This evolution is the cumulative result of both hardware and software advances at various levels motivated by tangible application needs. Infrastructure research on communications and networking is essential for realizing wireless systems. Equally important is the design and implementation of data management applications for these systems, a task directly affected by the characteristics of the wireless medium and the resulting mobility of data resources and computation. Although a

relatively new area, mobile data management has provoked a proliferation of research efforts motivated both by a great market potential and by many challenging research problems. The focus of Data Management for Mobile Computing is on the impact of mobile computing on data management beyond the networking level. The purpose is to provide a thorough and cohesive overview of recent advances in wireless and mobile data management. The book is written with a critical attitude. This volume probes the new issues introduced by wireless and mobile access to data and their conceptual and practical consequences. Data Management for Mobile Computing provides a single source for researchers and practitioners who want to keep abreast of the latest innovations in the field. It can also serve as a textbook for an advanced course on mobile computing or as a companion text for a variety of courses including courses on distributed systems, database management, transaction management,

operating or file systems, information retrieval or dissemination, and web computing.

**Small and Medium Enterprises** - Information Resources Management Association 2013-04-30  
"This book provides a comprehensive collection of research on current technological developments and organizational perspectives on the scale of small and medium enterprises"--  
Provided by publisher.

*Mobile and Pervasive Computing in Construction*  
- Chimay J. Anumba 2012-06-29

Construction researchers and industry practitioners have begun to explore the possibilities offered by mobile and pervasive computing in architecture, engineering and construction (AEC). It is expected that the construction industry will be keen to apply these technologies as they promise significant benefits in areas such as materials management, project management, distributed collaboration and information management, all leading to improvements in productivity. This book offers a

comprehensive reference volume to the use of mobile and pervasive computing in construction. Based on contributions from a mix of leading researchers and experts from academia and industry, it provides up-to-date insights into current research topics in this field as well as the latest technological advancements and practical examples. The chapters introduce the key theoretical concepts in mobile and pervasive computing and highlight the applications and solutions which are available to the construction industry. More specifically, the book focuses on the manner in which these technologies can be applied to improve practices in construction and related industries. This book will be of particular interest to academics, researchers, and graduate students at universities and industrial practitioners seeking to apply mobile and pervasive computing systems to improve construction industry productivity.  
*Advances in Construction ICT and e-Business*  
Srinath Perera 2017-05-08

This internationally conducted study of the latest construction industry practices addresses a broad range of Information and Communication Technology applications. Drawing on research conducted in the US and UK, this book presents the state of the art of various ebusiness processes, and examines BIM, virtual environments and mobile technologies.

Innovation is a theme that runs throughout this book, so in addition to the direct impact of these new technical achievements, it also considers the management styles that helped them to emerge. Examples from industry are illustrated with case studies and presented alongside research from some of the best known academics in this field. This book is essential reading for all advanced students and researchers interested in how ICT is changing construction management and the construction industry.

**Encyclopedia of Information Science and Technology** - Mehdi Khosrow-Pour 2009

"This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

**Computing, Control, Information and Education Engineering** - Hsiang-Chuan Liu 2015-08-18

This proceedings set contains selected Computer, Information and Education Technology related papers from the 2015 International Conference on Computer, Intelligent Computing and Education Technology (CICET 2015), to be held April 11-12, 2015 in Guilin, P.R. China. The proceedings aims to provide a platform for researchers, engineers and academics

**Advances in Concurrent Engineering** - R. Goncalves 2002-01-01

Topics covered include: design technologies and applications; FE simulation for concurrent design and manufacture; methodologies; knowledge engineering and management; CE

within virtual enterprises; and CE - the future.

**eWork and eBusiness in Architecture, Engineering and Construction** - Attila Dikbas  
2004-08-15

Biannually since 1994, the European Conference on Product and Process Modelling in the Building and Construction Industry has provided a review of research, given valuable future work outlooks, and provided a communication platform for future co-operative research and development at both European and global levels. This volume, of special interest to

**eWork and eBusiness in Architecture, Engineering and Construction** - Ardeshir Mahdavi 2014-08-21

In the last two decades, the biannual ECPPM (European Conference on Product and Process Modelling) conference series has provided a unique platform for the presentation and discussion of the most recent advances with regard to the ICT (Information and Communication Technology) applications in the

AEC/FM (Architecture, Engineering, Construction and

**Smartphone-Based Indoor Map Construction** - Ruipeng Gao 2018-03-27

This book focuses on ubiquitous indoor localization services, specifically addressing the issue of floor plans. It combines computer vision algorithms and mobile techniques to reconstruct complete and accurate floor plans to provide better location-based services for both humans and vehicles via commodity smartphones in indoor environments (e.g., a multi-layer shopping mall with underground parking structures). After a comprehensive review of scene reconstruction methods, it offers accurate geometric information for each landmark from images and acoustics, and derives the spatial relationships of the landmarks and rough sketches of accessible areas with inertial and WiFi data to reduce computing overheads. It then presents the authors' recent findings in detail, including the optimization and

probabilistic formulations for more solid foundations and better robustness to combat errors, several new approaches to promote the current sporadic availability of indoor location-based services, and a holistic solution for floor plan reconstruction, indoor localization, tracking, and navigation. The novel approaches presented are designed for different types of indoor environments (e.g., shopping malls, office buildings and labs) and different users. A valuable resource for researchers and those in start-ups working in the field, it also provides supplementary material for students with mobile computing and networking backgrounds.

**eWork and eBusiness in Architecture, Engineering and Construction** - Alain Zarli  
2008-09-03

Since 1994, the European Conference on Product and Process Modelling ([www.ecppm.org](http://www.ecppm.org)) has been providing a review of research, development and industrial implementation of product and process model

technology in construction. The 7th European Conference on Product and Process Modelling (ECPPM 2008) provided a unique discussion platform for topics of *Enterprise Resource Planning: Concepts, Methodologies, Tools, and Applications* Management Association, Information Resources 2013-06-30

The design, development, and use of suitable enterprise resource planning systems continue play a significant role in ever-evolving business needs and environments. *Enterprise Resource Planning: Concepts, Methodologies, Tools, and Applications* presents research on the progress of ERP systems and their impact on changing business needs and evolving technology. This collection of research highlights a simple framework for identifying the critical factors of ERP implementation and statistical analysis to adopt its various concepts. Useful for industry leaders, practitioners, and researchers in the field.

Managing IT in Construction/Managing Construction for Tomorrow - Attila Dikbas  
2009-09-15

Managing IT in Construction/Managing Construction for Tomorrow presents new developments in:- Managing IT strategies - Model based management tools including building information modeling- Information and knowledge management- Communication and collaboration - Data acquisition and storage- Visualization and simulation- Architectural design and

**Issues in Robotics and Automation: 2013 Edition** - 2013-05-01

Issues in Robotics and Automation / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Computing Information and Control. The editors have built Issues in Robotics and Automation: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Computing

Information and Control in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Robotics and Automation: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

**Computing in Civil and Building Engineering (2014)** - Raymond Issa 2014

**Proceedings of the 18th International Conference on Computing in Civil and Building Engineering** - Eduardo Toledo Santos  
2020-07-14

This book gathers the latest advances, innovations, and applications in the field of information technology in civil and building engineering, presented at the 18th International Conference on Computing in Civil and Building Engineering (ICCCBE), São Paulo, Brazil, August 18-20, 2020. It covers highly diverse topics such as BIM, construction information modeling, knowledge management, GIS, GPS, laser scanning, sensors, monitoring, VR/AR, computer-aided construction, product and process modeling, big data and IoT, cooperative design, mobile computing, simulation, structural health monitoring, computer-aided structural control and analysis, ICT in geotechnical engineering, computational mechanics, asset management, maintenance, urban planning, facility management, and smart cities. Written by leading researchers and engineers, and selected by means of a rigorous international peer-review process, the contributions highlight numerous exciting ideas that will spur novel research

directions and foster multidisciplinary collaborations.

Emerging Technologies for Construction Delivery - John J. Hannon 2007

**Communication Infrastructures for Cloud Computing** - Mouftah, Hussein T. 2013-09-30  
Cloud computing has provided multiple advantages as well as challenges to software and infrastructure services. In order to be fully beneficial, these challenges facing cloud specific communication protocols must be addressed. Communication Infrastructures for Cloud Computing presents the issues and research directions for a broad range of cloud computing aspects of software, computing, and storage systems. This book will highlight a broad range of topics in communication infrastructures for cloud computing that will benefit researchers, academics, and practitioners in the active fields of engineering, computer science, and software.

**Cooperative Design, Visualization, and**

## **Engineering** - Yuhua Luo 2019-10-01

This book constitutes the proceedings of the 16th International Conference on Cooperative Design, Visualization, and Engineering, CDVE 2019, held in Alcudia, Mallorca, Spain, in October 2019. The 26 revised full papers and 6 short papers presented were carefully reviewed and selected from 68 submissions. The achievement, progress and future challenges are reported in areas such as aerospace engineering, remote medical monitoring, automatic machine monitoring, cooperative personal data analytics, mobile banking, remote cooperative art performance management etc. In traditional areas such as architecture, civil engineering and construction, cooperative learning, enterprise management etc. authors also show new findings and new methodologies in their papers. This gives the readers a fresh look of how the CDVE technology is shaping our industry and daily life.

[Advances in Informatics and Computing in Civil](#)

## [and Construction Engineering](#) - Ivan Mutis 2018-10-08

This proceedings volume chronicles the papers presented at the 35th CIB W78 2018 Conference: IT in Design, Construction, and Management, held in Chicago, IL, USA, in October 2018. The theme of the conference focused on fostering, encouraging, and promoting research and development in the application of integrated information technology (IT) throughout the life-cycle of the design, construction, and occupancy of buildings and related facilities. The CIB - International Council for Research and Innovation in Building Construction - was established in 1953 as an association whose objectives were to stimulate and facilitate international cooperation and information exchange between governmental research institutes in the building and construction sector, with an emphasis on those institutes engaged in technical fields of research. The conference brought together more

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than 200 scholars from 40 countries, who presented the innovative concepts and methods featured in this collection of papers.

*Advances in Construction ICT and e-Business*  
Srinath Perera 2017-05-08

This internationally conducted study of the latest construction industry practices addresses a broad range of Information and Communication Technology applications. Drawing on research conducted in the US and UK, this book presents the state of the art of various ebusiness processes, and examines BIM, virtual environments and mobile technologies. Innovation is a theme that runs throughout this book, so in addition to the direct impact of these new technical achievements, it also considers the management styles that helped them to emerge. Examples from industry are illustrated with case studies and presented alongside research from some of the best known academics in this field. This book is essential reading for all advanced students and

researchers interested in how ICT is changing construction management and the construction industry.

Proceedings of International Conference on Cloud Computing and eGovernance (ICCCEG 2012) - K. Kokula Krishna Hari, Geetam Singh Tomar, E Saikishore, Tai-hoon Kim

**Building Performance Analysis** - Pieter de Wilde 2018-07-23

Explores and brings together the existent body of knowledge on building performance analysis Shortlisted in the CIBSE 2020 Building Performance Awards Building performance is an important yet surprisingly complex concept. This book presents a comprehensive and systematic overview of the subject. It provides a working definition of building performance, and an in-depth discussion of the role building performance plays throughout the building life cycle. The book also explores the perspectives of various stakeholders, the functions of buildings,

performance requirements, performance quantification (both predicted and measured), criteria for success, and the challenges of using performance analysis in practice. Building Performance Analysis starts by introducing the subject of building performance: its key terms, definitions, history, and challenges. It then develops a theoretical foundation for the subject, explores the complexity of performance assessment, and the way that performance analysis impacts on actual buildings. In doing so, it attempts to answer the following questions: What is building performance? How can building performance be measured and analyzed? How does the analysis of building performance guide the improvement of buildings? And what can the building domain learn from the way performance is handled in other disciplines? Assembles the current body of knowledge on building performance analysis in one unique resource Offers deep insights into the complexity of using building performance analysis throughout the

entire building life cycle, including design, operation and management Contributes an emergent theory of building performance and its analysis Building Performance Analysis will appeal to the building science community, both from industry and academia. It specifically targets advanced students in architectural engineering, building services design, building performance simulation and similar fields who hold an interest in ensuring that buildings meet the needs of their stakeholders.

### **High-Performance Networks, Personal Communications and Mobile Computing -**

Dimitris N. Chorafas 2016-07-27

Many professionals in the technology industry are seeking new solutions beyond the confines of the more traditional type software tools, network design solutions and distributed systems applications. The aim of this book is to provide for them a much needed upgrade of knowledge and skills by addressing the developing technical and business perspectives which have emerged

from the deregulation of telecommunications, including issues connected to costs and tariffs. It also addresses a comprehensible introduction to the research, development and implementation of agents. Based on thorough research undertaken from 1993-96 in the United States, Europe and Japan, much practical material is included, with both comprehensive examples and case studies.

**Mobile Computer Usability** - Gamel O. Wiredu  
2013-11-19

This book explains how mobile computer usability is shaped by the increasing integration of personal circumstances in organization. It represents an attempt to conceptualize an alternative model of mobile computer usability. It is motivated by the author's conviction that we do not yet have an adequate understanding of this concept because we have not taken seriously the transformation of human personality by the co-evolution of organization and ICTs. The author argues that the

transformation has resulted in a human personality whose personal and organizational activities are characterized by strong continuities between them. This characterization reflects a new kind of personality of the worker, and is a critical determinant of mobile computer usability. The word 'organizational' is used to describe this kind of personality - hence an alternative organizational personality perspective on mobile computer usability. This perspective suggests that a mobile computer is more usable to a person than another one because of its satisfaction of both his personal and organizational motives, which are in turn shaped by the co-evolution of organization, technology and personality.

**Leadership, Innovation and Entrepreneurship as Driving Forces of the Global Economy** - Rachid Benlamri 2016-12-01

This volume aims to outline the fundamental principles behind leadership, innovation and entrepreneurship and show how the

interrelations between them promote business and trade practices in the global economy. Derived from the 2016 International Conference on Leadership, Innovation, and Entrepreneurship (ICLIE), this volume showcases original papers presenting current research, discoveries and innovations across disciplines such as business, social sciences, engineering, health sciences and medicine. The pace of globalization is increasing at a rapid rate and is primarily driven by increasing volume of trade, accelerating pace of competition among nations, freer flows of capital and increased level of cooperation among trading partners. Leadership, innovation, and entrepreneurship are key driving forces in enhancing this phenomenon and are among the major catalysts for contemporary businesses trading in the global economy. This conference and the enclosed papers provides a platform in which to disseminate and exchange ideas to promote a better understanding of current issues and

solutions to challenges in the globalized economy in relation to the fields of entrepreneurship, business and economics, technology management, and Islamic finance and management. Thus, the theories, research, innovations, methods and practices presented in this book will be of use to researchers, practitioners, student and policy makers across the globe.

eWork and eBusiness in Architecture, Engineering and Construction. ECPPM 2006 - Manuel Martinez 2006-08-24

The task of structuring information on built environment has presented challenges to the research community, software developers and the industry for the last 20 years. Recent work has taken advantage of Web and industry standards such as XML, OWL, IFC and STEP. Another important technology for the fragmented AEC industry is digital communication. Wired or wireless, it brings together architects, engineers and construction

site workers, enabling them to exchange information, communicate and work together. Virtual enterprise organization structures, involving mobile teams over distance, are highly compatible with the needs of the construction industry.

eWork and eBusiness in Architecture, Engineering and Construction - Z. Turk  
2002-01-01

This is a comprehensive review of research related to construction informatics, with a particular focus on the related 5th framework EU projects on product and process technology and the implementation of the new economy technologies and business models in the construction industry.

**Fall Prevention Through Design in Construction** - Imriyas Kamardeen 2015-06-05

The role of designers has traditionally been to design a building so that it conforms to accepted local building codes. The safety of workers is left up to the contractor building the designs.

Research shows, however, that designers can have an especially strong influence on construction safety during the concept, preliminary and detailed design phases. This book establishes the new knowledge and conceptual frameworks necessary to develop a mobile computing-enabled knowledge management system that can help reduce the high rate of construction falls. There are three main objectives of this book: 1. To create a new Prevention through Design (PtD) knowledge base to model the relationships between fall risks and design decisions; 2. To develop a PtD mobile App to assist building designers in fall prevention through design; 3. To evaluate the practical implications of the PtD mobile App for the construction industry, especially for building designers and workers. The cutting edge technologies explored in this book have the potential to significantly reduce the rate of serious injuries that occur in the global construction industry. This is essential reading

for researchers and advanced students of construction management with an interest in safety or mobile technologies.

Innovative Computing - Jason C. Hung 2022

This book comprises select proceedings of the 4th International Conference on Innovative Computing (IC 2021) focusing on cutting-edge research carried out in the areas of information technology, science, and engineering. Some of the themes covered in this book are cloud communications and networking, high performance computing, architecture for secure and interactive IoT, satellite communication, wearable network and system, infrastructure management, etc. The essays are written by leading international experts, making it a valuable resource for researchers and practicing engineers alike.

**Handbook of Algorithms for Wireless Networking and Mobile Computing** -

Azzedine Boukerche 2005-11-28

Most of the available literature in wireless

networking and mobile computing concentrates on the physical aspect of the subject, such as spectrum management and cell re-use. In most cases, a description of fundamental distributed algorithms that support mobile hosts in a wireless environment is either not included or is only briefly discussed.

Mobile Information Communication Technologies Adoption in Developing Countries -

Ahmed Gad Abdel-Wahab 2011-01-01

"This book reviews different approaches and methodologies used in dealing with issues related to mobile ICTs, and presents successful examples mobile ICT adoption in developing countries, addressing the impact of culture on mobile ICT adoption and deployment"--Provided by publisher.

**AI-Based Services for Smart Cities and Urban Infrastructure** - Lyu, Kangjuan

2020-09-04

Cities are the next frontier for artificial intelligence to permeate. As smart urban

environments become possible, probable, and even preferred, artificial intelligence offers the chance for even further advancement through infrastructure and industry boosting.

Opportunity overflows, but without thorough research to guide a complicated development and implementation process, urban environments can become disorganized and outright dangerous for citizens. AI-Based Services for Smart Cities and Urban Infrastructure is a collection of innovative research that explores artificial intelligence (AI) applications in urban planning. In addition, the book looks at how the internet of things and AI can work together to enable a real smart city and discusses state-of-the-art techniques in urban infrastructure design, construction, operation, maintenance, and management. While highlighting a broad range of topics including construction management, public transportation, and smart agriculture, this book is ideally designed for engineers, entrepreneurs, urban

planners, architects, policymakers, researchers, academicians, and students.

Managing Business in the Civil Construction Sector Through Information Communication Technologies - Mundhra, Bithal Das 2020-10-30

Many industries have struggled to realize the importance of modern technology, but none more so than the construction industry. By employing various computer-aided management systems, construction businesses have increased their profitability and the systematic way their companies function. Managing Business in the Civil Construction Sector Through Information Communication Technologies supplies a compendium of innovative research that highlights the use of computer-aided design and tools and the vital role that such forms of information technology have to play in the actual production activities of any civil construction company. Subsequent chapters focus on equally vital areas such as that of construction management, contracts management, materials

management, human resource management, and enterprise resource planning. Chapters on cloud computing technology, internet of things, and artificial intelligence enable readers to acquire

an overview and grasp the basics of these latest trending technologies. This book is ideally designed for construction firms, students, entrepreneurs, industry professionals, IT consultants, and academicians.