

1. Record Nr.	UNINA9910624319803321
Titolo	Advances in Construction Safety : Proceedings of HSFEA 2020 // edited by N. A. Siddiqui, Bikarama Prasad Yadav, S. M. Tauseef, S. P. Garg, E. R. Devendra Gill
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-4001-0
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (324 pages)
Collana	Engineering Series
Disciplina	690.22
Soggetti	Industrial engineering Production engineering Fire prevention Buildings - Protection Chemicals - Safety measures Industrial and Production Engineering Fire Science, Hazard Control, Building Safety Chemical Safety
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Construction safety management -- Chapter 2. Accident Prevention in Construction Sectors -- Chapter 3. Contractor Management and their roles in construction projects -- Chapter 4. Competencies and their effect on safety in construction -- Chapter 5. Safety Culture and causative factors -- Chapter 6. Mathematical tools and technique used in construction safety -- Chapter 7. IOT/ computer aided techniques in construction safety -- Chapter 8. Legal laws and their effectiveness -- Chapter 9. Project management -- Chapter 10. Inherent safer approach in construction safety.
Sommario/riassunto	This book covers the details of computer-aided tools & techniques for improving work culture and minimizing accidents. The construction industry has been considered for employing the highest number of workmen but at the same time, it is also known as a poorly organized sector because of peculiarity in construction. Since construction project activity keeps changing on an hourly basis, it becomes difficult to

manage the safety of workers or workplace and therefore, it stands as the second accident-prone industry. Several tools and techniques are introduced in controlling construction accidents concerning time and improvements are recorded. This book has briefly covered various challenges encountered, gaps in implementation, technological developments, and various methods/techniques to reduce construction accidents and highlights of research need for overall improvement of safety. This book is essentially helpful for students, researchers, faculty, and industry professionals. .

---