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Titolo	Creating Capacity and Capability: Embracing Advanced Technologies and Innovations for Sustainable Future in Building Education and Practice : Building Construction Education and Industry, Volume I // edited by Monty Sutrisna, Mostafa Babaiean Jelodar, Regan Potangaroa, Chinthaka Atapattu, Don Amila Sajeevan Samarasinghe
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Nota di contenuto	Chapter 1: Uncovering the impact of COVID-19 on quality of life of construction-based academics in New Zealand: A perspective from three academic organisations in Wellington and Auckland -- Chapter 2: Empowering engineering and built environment professionals: Exploring education 5.0 and the Quintuple Helix model of innovation -- Chapter 3: Service Learning 4.0 - What knowledge and skills do students learn from workplace learning activities built into the curriculum, and how do these need to be adapted for 4IR? -- Chapter 4: Integrating digital tools with well-suited course design to enhance the effectiveness of online teaching for a construction planning course -- Chapter 5: Informal worker's experience of accidents on construction sites -- Chapter 6: Creating a motivating environment for undergraduate university students in a technical course -- Chapter 7: Changing teaching and learning practices in university lectures due to Covid-19 -- Chapter 8: Identifying factors influencing the productivity

of mechanised track-laying process in the dedicated freight corridor project in India -- Chapter 9: Development of Causal Loop Diagram of Social Dynamics Variables during Last Planner System Implementation -- Chapter 10: Relationship Between Ethics and Cultural Practices: The Case of Ghanaian Construction Industry -- etc.

Sommario/riassunto

This three-volume book is the proceeding of the 46th Australasian Universities Building Education Association (AUBEA) 2023 Conference which brings together papers on construction and built environment education and practice. This particular conference theme, "Creating Capacity and Capability: Embracing Technologies and Innovations for Sustainable Future in Building Education and Practice" is closely related to a flagship national research programme funded by the Government of New Zealand, known as the CanConstructNZ research programme, aiming to balance the capacity and capability in the construction industry and the national pipeline of construction projects. The capacity and capability of our construction industry in fulfilling the construction needs of the whole nation are reflected in the national pipeline of construction projects and have long been recognised as one of the main challenges facing the construction sector. The practices and education of building and construction play an important role in determining the capacity and capability of the construction industry. Within the context of achieving sustainable future and embracing advanced technologies to create capacity and capability in the construction sector, various concepts, research, and innovative development have emerged and taken place. This particular conference theme has facilitated more in-depth discourses and discussions on the latest ideas and innovation within the building and construction education and practice, not only from the Australasian region but also from the wider international community, including the USA, the UK, Brazil, South Africa, Nigeria, China, and Sri Lanka. The contents of this book will be of interest to academic researchers, industry professionals and policy makers alike.
