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Nota di contenuto	Roles and Responsibilities of a Virtual Teacher -- Hybrid Learning System: Analysis, Opportunities, Challenges, and Prospects -- COVID-19 Pandemic and changing dynamics in Teaching and Learning Strategies: A study of student-centric blended learning approach -- Blended Learning in COVID-19 Era and Way-Forward -- Blended learning in COVID-19 Era: Pre and Post COVID times, Lessons learned and way forward -- An investigative study of students' and faculty perspective towards transition to online teaching during COVID-19 pandemic -- Survey of Blended Learning Approaches, Frameworks, Tools and Techniques for Science and Management Students -- Blended Learning and STEM Education for students with special needs and learning disabilities -- Designing Integrative and Collaborative Learning for Students with Special Needs and Learning Disabilities in an Inclusive Classroom -- Maintaining Performance and QoS of Software

Tools for Remote-Teaching Environment -- Students' Learning Outcomes and Emerging Practices of Blended learning: A case study -- Collaborative and Sustainable Blended Learning in UTAS Salalah -- Integration of Blended Mode of Technologies in Teaching and Learning of Engineering Content at Higher Educational Institutions -- Exploring the Scope of Learning Analytics in Blended Learning Environments.

Sommario/riassunto

This book comprehensively covers sustainable blended learning approach in each of the STEM (science, technology, engineering and mathematics) disciplines. The book also includes the compilation of detailed concepts of blended learning ranging from definition, need, features, models, advantages and disadvantages and comparisons with traditional face-to-face learning. Sustainable blended learning in K-12 education has an immense role as foundation to learning for students in their early education. Fostering creativity and inculcating problem solving and critical thinking skills are the integral aspect of STEM education, which encourages students to pursue them to for their future careers. This book presents recent practices taken by experts at various levels to promote education in STEM. Furthermore, impact over teacher–student relationships is analyzed. Lastly, sustainable frameworks, strategies and implementation to incorporate students with additional needs are explored.
