

Delivering Inclusive Sustainable Education using Technology in India : Financial Challenges and Implications

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Abstract

The purpose of the paper is to study the influence of cost of adoption of technology including AI and IoT for enabling the ease-of-use technology for creating economic development through ventures and employment opportunities. In recent years, online education has become increasingly popular in higher education. The methodology includes the empirical study of the student entrepreneurs who are using technology to create ventures and gain financial independence as per the SDG goal of sustainable development. The methodology uses SPSS and analyses the RFRC model using SEM (Structural equation modelling) to find the correlation with the cost of technology adoption and its influence on developing ventures using economic modelling and venture creation online. The findings suggest that there is sufficient correlation between the various cost related items such as cost of technology and its impact on adoption of technology.

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Keywords : Covid 19; Education; AMOS; Online Education; Technology; SEM; SSG; India

I. Introduction

THE COVID - 2019 PANDEMIC has altered the educational landscape and compelled India to make drastic adjustments in the field of education. Online education has grown in importance in the educational environment, providing students with greater mobility, accessibility, and access to materials that were previously unavailable in regular classrooms. The "Quality Education" goal: SDG 4, is designed to "deliver inclusive and equitable quality education and support lifelong learning opportunities for everyone". Online education provides for the participation of a diverse range of learners and

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and cost play a significant role in students' willingness to adopt online education. The positive relationships between these factors and intention to accept digitalized education suggest that designing user-friendly platforms, promoting the benefits of digital education, providing necessary resources and support, enhancing the learning experience, and making it affordable can increase acceptance rates. The social contribution of this paper lies in its exploration of factors that can positively impact the acceptance and adoption of digitalized education. By identifying these factors and their significance, the research provides valuable insights for educational institutions and policymakers to develop effective strategies for promoting digital education and aligning it with sustainable development goals. Emphasizing the importance of quality education (SDG 4), the study acknowledges that digital education can bridge educational gaps and improve access to learning, especially for marginalized and vulnerable populations. The findings also highlight the potential economic impact of embracing digital education. By acquiring new skills and enhancing productivity, individuals can contribute to economic growth and development, aligning with broader sustainable development objectives.

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