Role of Technology in Achieving Sustainable Development Goals in Higher Education in India

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Abstract: *In an increasingly interconnected world, technology has emerged as a key enabler in advancing the United Nations Sustainable Development Goals (SDGs), particularly within the realm of higher education. Through the use of online learning platforms, virtual classrooms, and adaptive technologies, higher education institutions can expand access to education, reduce inequalities, and enhance the quality of learning experiences. Furthermore, technology enables universities to drive research and innovation, particularly in areas related to climate action, renewable energy, and sustainable industrialization, which align with SDG targets. With the use of technology gender equality, empowerment, and inclusive participation in academia can be achieved by breaking down barriers to education. By integrating smart systems on campuses, universities can optimize resource use, contributing to sustainability goals. The paper aims to provide a comprehensive overview of how higher education institutions can leverage technology to not only improve academic outcomes but also play a pivotal role in addressing global challenges and advancing the SDGs.*

Keywords: Sustainable development goals, Sustainablity ,Virtual classrooms, Renewable energy