

## THE CHALLENGES OF DEPED'S COMPUTERIZATION PROGRAM: NAVIGATING THE PATH TO DIGITAL EMPOWERMENT

by:

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In an era marked by rapid technological advancements, the integration of technology in education has become paramount for ensuring a well-rounded and future-ready workforce. Recognizing this, the Department of Education has embarked on a commendable journey towards digital transformation through its Computerization Program. DepEd's Computerization Program envisions a technologically equipped educational system that fosters innovation, enhances teaching methodologies, and provides students with the necessary digital skills for success in the 21st century. With aims to bridge the digital divide, empower educators, and enrich the learning experience, this program holds immense promise for the future of Philippine education. However, this endeavour is not without its challenges, as the implementation of such a comprehensive initiative encounters various hurdles along the way.

One of the primary challenges facing the Computerization Program is the inadequacy of infrastructure in many schools across the country. Limited access to reliable electricity, internet connectivity, and suitable hardware hinders the seamless integration of technology into the curriculum. While technology has the potential to revolutionize education, its effective utilization requires digital literacy among teachers and students. Unfortunately, many educators lack the necessary training and support to leverage technology effectively in their classrooms, thus impeding the program's success.

Another is the sustainability of technology integration initiatives which remains a pressing issue. Without adequate funding and long-term planning, there is a risk of programs becoming obsolete or unsustainable over time, thereby undermining their

impact on education. With increased reliance on digital platforms, cybersecurity threats loom large. Protecting sensitive educational data and ensuring the privacy of students and educators is essential but presents a significant challenge in an evolving threat landscape.

To address these challenges brought about by the Department of Education's Computerization program, it is important to prioritize the development of strong infrastructure, including electricity, internet connectivity, and updated hardware, because it is an essential factor for the successful implementation of the Computerization Program. Comprehensive training programs and ongoing professional development initiatives should also be provided to equip educators with the necessary digital skills and pedagogical strategies for effective technology integration.

How will this be significant in our school? DepEd's Computerization Program represents a significant step towards realizing the potential of technology in Philippine education. However, addressing the challenges is crucial for ensuring its success and maximizing its impact on student learning outcomes. By investing in infrastructure, supporting educators, ensuring sustainability, enhancing cybersecurity measures, and promoting equity, DepEd can navigate the path towards digital empowerment and pave the way for a brighter future for generations to come.

#### *References:*

Mula, R. S & Bucar, J. D. (2023). Department of Education Computerization Program (DCP): Its Effectiveness And Problems Encountered In School Personnel's Computer Literacy. *International Journal of Multidisciplinary: Applied Business and Education Research*. 4(4), 1221 – 1250. doi: 10.11594/ijmaber.04.04.19