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IMPACT OF DIGITAL TECHNOLOGY AND THE NEED FOR CURRICULUM REVIEW IN SURVEYING EDUCATION.

BY

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INTRODUCTION

Digital technology has influenced the practice of surveying and geoinformatics all over the world. Currently, there is a campaign for the change of names of surveying-related institutions/departments in Nigeria to reflect the technological advancement. Also, there is the need to review the present training curriculum, which is based on analogue techniques. Some institutions have changed, some are still in doubt of what to do while others have not seen the need for the change.

OBJECTIVES

- To discuss the impact of digital technology in surveying and geoinformatics education in Nigeria.
- To highlight the need for the dynamic review of surveying and geoinformatics curriculum in Nigeria.

DIGITAL REVOLUTION

- Defined as a term used to describe the effects of rapid drop in cost and rapid expansion of power of digital devices such as computers.
- It transformed technology that was previously analogue into a binary representation of ones and zeros (digital).
- It has made tremendous impact on the instrumentation and techniques of many professions, especially the Surveying.

THE NEED FOR CURRICULUM REVIEW

- The training offered Surveying Institutions was geared towards training in the field of Land Surveying.
- The advent of digital technology has led to the changing pattern of surveying training.
- Therefore, it has become imperative for surveying institutions to review their programs in order to align their curricula with the new digital developments.
- All surveying stakeholders have roles to play in ensuring that all institutions offering surveying modernize their curricula.
CONCLUSIONS

- Digital technology has revolutionised the practice of Surveying in Nigeria and other parts of the world.
- This has made what used to be accepted as surveying curriculum inadequate.
- The need to modernise surveying curriculum in Nigeria tertiary institutions has arisen.
- Periodic review of the academic programs and curricula in Universities and Polytechnic offering surveying are necessary.

RECOMMENDATIONS

- NUC and NBTE should continue to spearhead the review of surveying programs in the Universities and Polytechnics.
- There should be uniform curriculum for all the surveying departments in Nigeria Universities.
- NBTE should ensure uniform curriculum for the surveying departments in Nigeria Polytechnics.
- There is the need to mount aggressive re-training programs for Nigeria’s surveying personnel at all levels.
- Stake holders in education should provide adequate fund for training and purchase of facilities to meet the dynamism of the digital technology in surveying.

THANKS FOR LISTENING