DETERMINING DATA AND SOME TECHNICAL REQUIREMENTS FOR A MICRO-COMPUTER NETWORK WITHIN THE LOWER KABETE CAMPUS, UNIVERSITY OF NAIROBI.

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ABSTRACT

The evolution of civilization from material basis towards more complex forms has reached a stage of development where by information is a feature that can not be ignored. The task of putting together vital information has been greatly eased by the developments in technology. This developments in technology have been motivated by a desire to improve and ease the procedures of information processing.

This study set out to spell out the initial data and requirements necessary in the implementation of a Local Area Network within the Lower Kabete Campus of the University of Nairobi. The study also aimed at evaluating the currently available network systems that could be suitable for the requirements of the Lower Kabete Campus.

The required data was obtained from the various departments of the Lower Kabete Campus, the deputy principal's office and also the students welfare sections within the campus. The analyses of data was done by providing flow diagrams of the information flow within the college and also summary statistics in respect of the chosen variables or dimension. It was found that information requirements of the departments are very similar and common files on student related data could be created and shared between the departments, library, and the deputy principal’s office.
There are various Local Area Network systems that could serve the Campus requirements. One system that was seen to be ideal for the campus was the Open Systems Local Area Network. It incorporates capabilities of future expansion and utilizes a variety of different vendors hardware and software.