

Planning, Designing, and Implementing a Local Area Digital Library Network

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Abstract

The advancement in the development of Information and Communication Technology (ICT) engendered by the invention of internet and related telecommunication infrastructure is impacting virtually all spheres of human endeavour. Computers usually top the list of equipments used in various research fields such as science, engineering and humanities has also fundamentally altered the ways libraries accomplish their traditional missions of selecting, organizing, preserving, and providing access to information. This research work mainly focuses on planning, designing, implementing and management of the digital library. It covers mission and scope, time frame, evaluation, assessment and infrastructures required. The paper also discusses the need for the digital library, basic facilities to keep the technology functioning and enhancement of user awareness. A Local Area Network (LAN) setup is proposed for Department of Computer Science, Kwara State Polytechnic, Ilorin. Cost of hardware, software and other requirements have been estimated.

Keywords: *digital library, local area network, hardware and software requirements, cost implications, staff*

