The important role played by PACS in radiology has long been recognized, and PACS has been successfully accepted and implemented by many large academic institutions. However, its wide use by most tertiary care hospitals and clinics is still very limited because of multi-million dollar investment usually associated with it. There are currently more PACS vendors on the market than ever, providing products in all price ranges. The purpose of this work was to implement a department wide PACS system in a multi-site tertiary health care center with a small fraction of cost of a typical PACS system. The implementation is divided into 3 phases, initial workstation test, server/long term storage and 1 modality partial implementation, and final department wide all digital modality integration. In the radiology department, 4 MR, 6 CT, 11 US, 13 NM cameras with DICOM 3.0 located in different sites, and 15 PACS reading workstations in various reading areas are integrated into this PACS system. The PACS has a Window based server, a 900GB RAID, and an 18 TB AIT2 tape based long term storage solution. With careful selection of a PACS vendor, maximizing the use of standard out-of-shelf hardware, and a well planned implementation schedule, PACS can be integrated with only a small fractional cost of a typical PACS installation without sacrificing quality. Works-in-progress includes integration of the PACS with the RIS of the department and HIS of the institution, so that the benefits of automation can be fully realized.