

**NANKYA ANGELLA BUKENYA (2008-03-MSCIS-PT-008)**

**A Medical Insurance Records Management System: A Case Study of Kyotera Medical Centre**

The aim of this project is to develop a web-based Medical Insurance Records Management System (MIRMS) for Kyotera Medical Centre that solves inefficiencies in managing and reconciling patients' medical records, which exposes that information to the risks of loss of data integrity, confidentiality as well as data security risks. Besides, management also faces difficulties because of a lot of paper work and time wastage especially in preparing payment reports. Therefore, due to the above problems, the researcher visited the centre and had a formal interview with the managing director so as to get input as per the proposed system. Enough information was also collected through questionnaires, observations, reading existing documents like manuals, reports created at the centre, and studying some procedures. This information was then analysed using business and IT architecture models. The system was developed and designed using the UML tools and later implemented using dream weaver, PHP scripting language and XAMMP. The MIRMS end product developed allows automatic registration of clients and service providers. It can store patient medical records in a database, manipulate and retrieve them at ease. There is also proper control over patient records for confidentiality through security controls availed by the system. Several reports can be generated by the system, to include claim reports which can be emailed to the providers for payment processing.

**Key Words:** Medical Insurance, Records Management System, Kyotera