COLLABORATION WITH STAFFORDSHIRE UNIVERSITY

Collaboration between DCS-University of Karachi and FCET & Healthcare department, Staffordshire University can be in the following areas:

Capacity Building

The purpose of the initiative will be to increase the research capacity of the faculty/staff of DCS-UoK. This will help them to adapt the successful models of e-health that have been implemented in UK and Europe. Secondly a joint effort of researchers of both the universities may find a suitable framework for building healthcare information system that works best in Pakistani environment.
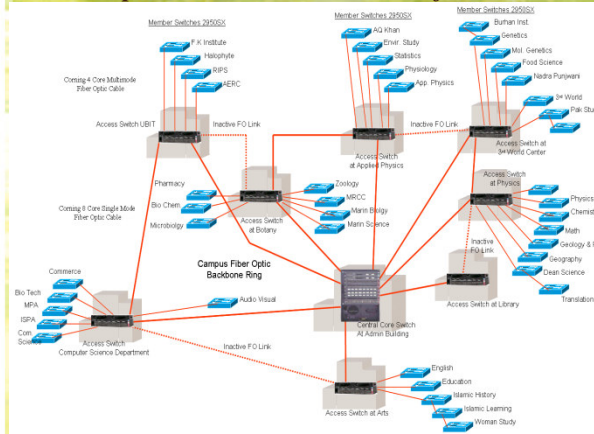
Core Questions

- Which e-health applications and practices have had the most beneficial outcomes for UK?
- What are the best ways for ensuring that beneficial outcomes can reach the population?
- What is the potential of using new pervasive technologies such as mobile phones / PDAs?
- What types of technologies / applications are best suited to help prepare for, or mitigate the effects of, disasters, pandemics and emerging and re-emerging diseases?

Develop a Degree Programme

Health-care informatics (HCI) is a rapidly growing branch of the massive health-care industry. It represents the use of new ICT tools to store, retrieve and process complex health-related data. Unfortunately, in Pakistan there is no degree programme to cater this need. DCS-UoK wants to develop such a programme on healthcare informatics with the help of Staffordshire University. Its objective will be to produce professionals who have a background of healthcare as well as sound knowledge of information systems.
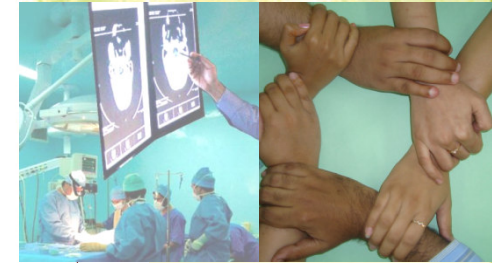

Optical Fiber based network of UoK

The new clinic facility at UoK

Contact: Meritorious Prof. Dr. S. M. Aqil Burney
Phone: 9221.99261300-06 Ext 2462
Email: hms.ict@uok.edu.pk
burney@uok.edu.pk

Department of Computer Science
UBIT Building
University of Karachi
Karachi – 75270, Pakistan

http://hmsict.uok.edu.pk

Healthcare Management System using Information, Communication and Technology Group

Department of Computer Science (UBIT)
UNIVERSITY OF KARACHI

Working for a healthier society…

Inside …

- *Our institution*
- *HMS-ICT Group*
- *Our activities*
- *Collaboration with Staffordshire University*

OUR INSTITUTION

University of Karachi is the largest public sector University in Pakistan, and well known for its academic and research work internationally. It comprises of eight faculties, 70 Departments and research institutes. In-campus student population is about 25000.

Department of Computer Science (UBIT)

The university provides medical services to its entire staff (over 4000) as well as their dependents (over 10000) through an in-campus clinic and a panel of hospitals. A new building for the clinic is also under construction. The university also has a very fast and reliable optical fiber based communication infrastructure. Department of Computer Science (UBIT) wants to integrate the two facilities to provide eHealth services to the university employees. It also wants to conduct a pilot study and implement a HIS at the varsity. The department is looking for
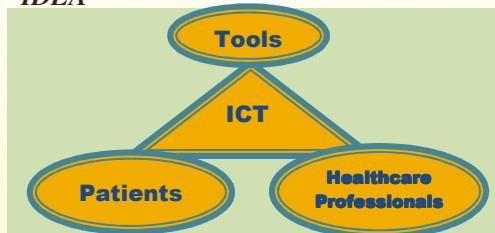
- Opportunities to network & build partnerships
- Capacity building
- Creating Communities of Practice
- Knowledge Translation
- Making an impact on policy-development
- Contribute to improved health outcomes

HMS-ICT GROUP

Message from the Vice Chancellor-UoK
I appreciate the efforts being made by the Dept. of Computer Science to develop e-health services at the varsity. Their objective is to utilize ICT in healthcare management in the context of our country to provide effective health services at low cost through exploiting of information and communication technologies. The university will extend all the support to the group.

IDEA

PATRON
Prof. Dr. Pirzada Qasim Raza Siddiqui (VC-UoK)

CORE GROUP
Prof. Dr. S. M. Aqil Burney (Group Leader)
Mr. Kamran Ahsan (Intl. Coordinator)
Mr. Nadeem Mahmood (DCS-UoK)
Mr. Zain Abbas (DCS-UoK)
Dr. Zahid Bashir (Aga Khan University/SMDC)

MEMBERS
Mr. Asim Ali (DCS-UoK)
Dr. Shoaib Rizvi (SIUT)
Dr. Abid Azhar (KIBGE-UoK)
Dr. Haider Abbas (Psychology-UoK)
Dr. Shakeel Farooqui (Genetics-UoK)
Dr. Ali Farhan (LCMD/DarulSehat Hospital)

OUR ACTIVITIES
INTERNATIONAL CONFERENCE

The group presented a paper at the First Intl. e-Health conference in Pakistan at AKU during Jan-2010. Main objective of this conference was to introduce and advocate e-Health as a viable and relevant option for improving public and private healthcare in Pakistan.

SEMINAR

A seminar on "HMS & ICT in Developing Countries" was held at DCS (UBIT), University of Karachi in coordination with Staffordshire University Health Sciences Department in Jun-2009. Staffordshire University was represented by Mr. Kamran Ahsan.

The speakers emphasized on the importance of ICT especially in service sector due to the increasing cost of medical care and lack of penetration of health facilities in the remote areas of Pakistan. It was concluded the mammoth growth of communication and technology, if utilized in health sector, has the potential for delivering far reaching and cost effective health care to all citizens of the country.

PROJECTS

The group members have undertaken several projects. One project is based was an e-Health application for creating awareness about epidemics such as Swine flu and dengue fever. Moreover, we are specially focusing on airborne, waterborne as well as skin diseases. Another project is a dietary management application for hospitals and other health