STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE

FACULTY OF ARTS & HUMANITIES

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Campus Management Solution**
  o Successfully implemented

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

- **Campus Management Solution**
  o Successfully implemented

DEPARTMENT OF HISTORY

- **Campus Management Solution** in progress

PAKISTAN STUDY CENTRE

- **Digital Library**
  o Centre provides electronic access to Punjab University's Main Library and HEC Digital Library through its computer lab for students and researchers.
- **PERN**
  o The Centre is connected to PERN which is a national research and education network of Pakistan which connects premiere educational and research institutions of the country.
- **Campus Management Solution**
  o Implementation of Punjab University's Campus Management Solution has been accelerated and required key information have been updated in the CMS system.
- **Web Portal**
  o Salient features and significant information about the Centre have been made available and updated on the Punjab University's website regularly. Soft-copies of the latest issue along with previous issues of the research journal Pakistan Vision are also available on the said website.
  o The Centre had also launched in independent website (www.pscpu.edu.pk) containing significant information of the Centre.

DEPARTMENT OF PHILOSOPHY

- **Campus Management Solution**   (in process)

PUNJAB UNIVERSITY COLLEGE OF ART AND DESIGN

- **Campus Management Solution:**
  The work is in progress.
- **Web Portal:** http://pu.edu.pk/cad/site/history.html
- **Development of online admission system:**
  The work is in progress.

GUJRANWALA CAMPUS

- **Digital library**
  - To strengthen the technological infrastructure, PUGC library has an access to the full text research journals through HEC Digital Library (http://www.digitallibrary.edu.pk/punjabuni.html).

- **Video conferencing:**
  - The state-of-the-art equipment is available at the PUGC for video conferencing.

- **Campus Management Solution (CMS):**
  - The implementation of the Campus   Management Solution is in progress. The following are the modules that are being used:
    - Student Application Entry
    - Term activation
    - Schedule of classes and courses
    - Student Enrolment
    - Student Grading
    - Transcripts

FACULTY OF BEHAVIOURAL & SOCIAL SCIENCES

DEPARTMENT OF GENDER STUDIES

- **Digital Library**
  - Working to convert the old system into new software

- **Campus Management Solution**
  - Trained the staff on handling the CMS. Presently entring data directly into the New software CMS

- **Web Portal**
  - Strengthen the website of the Department. Planing to start on-line short courses.

DEPARTMENT OF POLITICAL SCIENCE

- **Video Conferencing**   Yes
- **Campus Management Solution**   Yes
- **Web Portal**
  - www:http:\pu.edu.pk
- **Development of online admission system**
  - As per university policy

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Digital Library**
  - The ISCS has access to digital library through Punjab University library.

- **PERN**
  - o The ISCS utilizes the facility of online journals, online research resources through Punjab University digital library using PERN band width.

- **Campus Management Solution**
  - o The ISCS on a regular basis updates its semester results and admission records through Campus Management Solution of Punjab University

- **Web Portal**
  - o The institute is connected with Punjab University web portal.

FACULTY OF COMMERCE

HAILEY COLLEGE OF BANKING AND FINANCE

- **Digital Library**
  - o College library is automated and we use Library Software **M LIMS** designed by PU Main Library with the help of IT Centre.

- **Campus Management Solution**
  - o Students data of the College regarding particulars of students, deposit of fee, results etc., is being updated in CMS program on regular basis.

- **Web Portal**
  - o Punjab University IT center is providing NSSA (National Student Software Accessibility) Web Portal services with Collaboration of HEC & Microsoft to all Faculty Staff and Students of the University including this College.

- **Development of online admission system**
  - o HCBF official website is updated on time through display of admission schedule, entry test results, general merit list and merit lists for selected students.

FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES

DEPARTMENT OF ECONOMICS

- **Campus Management Solution**
  - o Presently feeding of results under semester system is in operation and the work of the Department is up to date.

- **Development of online admission system**

    The work is in progress.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

- **Digital Library**
  - o The teachers and students make extensive use of HEC online sources to fulfill their academic and research needs.

o The Department has developed its own digital library which is accessible on the intranet to the faculty and researchers

- **Campus Management Solution**

  o The department has been entering its data in CMS and the work is in progress. A KPO has been deputed to work on this task.

  o Development of online admission system

  o We made use of the system as per requirement

INSTITUTE OF ADMINISTRATIVE SCIENCES

o With the objective of making students well versed in usage of information technology and to enhance their computer literacy skills, IAS has well equipped computer laboratories which cover an area of 4800 square feet. IAS has two well equipped computer laboratories, as we belong to the management sciences so we do not have any scientific laboratories. There are two separate computer laboratories on the upper story of the newly constructed IAS building, one for graduate programs (LAB Gr.) and the other for undergraduate programs (LAB U.Gr.). Both these labs are equipped with 250 computers with contemporary softwares like MS Office, SPSS, Corel Draw, Adobe etc. A strong anti virus software named NOD 32 is installed to prevent viruses from attacking the systems. Instructions/guidelines for the users regarding safety regulations or alike have been displayed on the lab notice boards. In addition, we equip our students with the usage of IT by offering multiple courses throughout their stay at IAS. In addition, we have installed CMS for annual academic activities and our web portal is in the process of making.

INSTITUTE OF BUSINESS ADMINISTRATION (IBA)

- **Campus Management Solution**

  o IBA has commenced working on this system.

FACULTY OF EDUCATION

DEPARTMENT OF SPECIAL EDUCATION

- **Campus Management Solution**:   Yes

INSTITUTE OF EDUCATION & RESEARCH

- **Digital Library**   Partially
- **Video Conferencing**   Yes
- **Campus Management Solution**   Yes
- **Campus Management Solution**   Yes

FACULTY OF ENGINEERING & TECHNOLOGY

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **Digital Library**
  - o The institute is currently being benefited from the digital libraries hosted by the HEC, PU main library.
- **PERN**
  - o Faculty members are encouraged to be active in utilizing the features of PERN, located at main library.
- **Video Conferencing**
  - o The Institute is utilizing video conferencing facility of the university on need basis.
- **Campus management solution**
  - o The institute has implemented the Campus Management solution for managing student enrollment and examinations.
- **Web Portal**
  - o The Institute University shared web portal.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Digital Library:**
  - o Digital Library service is available.
  - o Video Conferencing facility is available in the University campus and can be arranged whenever needed.
  - o Campus Management Solution (CMS) has been successfully operating in the institute.

COLLEGE OF ENGINEERING & EMERGING TECHNOLOGY

- **Digital Library**
  - o The college is currently being benefited from the digital libraries hosted by the HEC, PU main library. The digitalization of college library is under process.
- **PERN**
  - o Faculty members are encouraged to be active in utilizing the features of PERN.
- **Video Conferencing**
  - o The college is utilizing video conferencing facility of the university on need basis.
- **Campus management solution**
  - o Implementation and shifting of existing students data on Campus Management solution is under process.
- **Web Portal**
  - o College has university shared as well as independent web portal.
  - o Development of online admission system

FACULTY OF LIFE SCIENCES

DEPARTMENT OF APPLIED PSYCHOLOGY

- **Digital Library**
  - o At present, Departmental students are given access to Digital Library of HEC. The Digital Services of the Punjab University Main Library are also accessible from the webpage of the University. Digital Access is provided free of cost to almost world famous journals/e-books i.e. full access to JSTOR, Science Direct, EBSOHOST, IEEE etc.

- **PERN**
  - o Digital Services being provided by the University is based on PERN. This project is also supporting the students in their research activities as non-stop access to internet is given to the students through cable and Vi-Fi connections.

- **Campus Management Solution**
  - o Campus Management Solution **(CMS)** is also in progress and all the data of the students is entered in this database.

- **Web Portal**
  - o The Administration of the Department in collaboration with University IT department is in the process to have one dedicated webpage for the department. In this regard some paper work has already been done on development of alumnus portal.

DEPARTMENT OF BOTANY

- **Digital Library**
  - o In Process
- **Campus Management Solution**
  - o In Progress

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Video Conferencing**
  - o Video conferencing with collaborators in USA for planning and sharing scientific knowledge and techniques under the project Pak-US Project "Bioremediation of Chromium and Arsenic from Industrial Wastewater"

- **Campus Management Solution**
  - o Complete record of departmental students has been updated in CMS. Five office staff are continuously working on it.

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- **Campus Management Solution**
  - o Department has uploaded it data relating student admissions, hostels, results, Finances and utilities.

DEPARTMENT OF ZOOLOGY

- **Campus Management Solution**
  - o Work is being done and an official has been assigned duties of CMS.
- **Development of online admission system**
  - o Work is being done and an official has been assigned duties of CMS.

CENTRE FOR CLINICAL PSYCHOLOGY

- **Campus Management Solution**
  - o CMS is used for the admissions, results and accounts related activities.
- **Web Portal**
  - o Information regarding Centre is available on Punjab University Web Portal.
- **Development of online admission system**
  - o In future admissions will be conducted through online admission system through CMS.

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **Digital Library**
  - o Provided resources are available throughout the centre
- **PERN**
  - o Using PERN2 on optical fibre and pop at university of the Punjab. 54 Mbps connection is available all over the premises.
- **Video Conferencing**
  - o Polycom VSX-700 is used for the video conferencing over the PERN2 link.
- **Campus Management Solution**
  - o Under process
- **Web Portal**
  - o Web site is located at http://www.cemb.edu.pk
- **Development of online admission system**
  - o Under Process

INSTITUTE OF AGRICULTURAL SCIENCES

- **Digital Library**
  - o Currently in library we are using MLims software and library is completely automated. In library there are two computers for staff use.
  - o OPAC (Online Public Access Catalog) is available for library users.
  - o We have organized one day workshop in collaboration with Punjab University Central Library on use of E-Journals/ Resources provided by HEC digital library.

- o Institutional library with collaboration of Punjab University Central Library organized hands on workshop for faculty members and researchers on "How to use anti plagiarism software (Turnitin)".
- o As all of the faculty members have access to HEC digital resources from their offices, and we also have provided access to the same for M.Phil & Ph.D students in their research labs. Furthermore we are also providing facility to download articles from the library with the help of Institutional Librarian.

- **PERN**
  - o Currently, library does not have any coordination with this network.

- **Video Conferencing**
  - o The institution is not using the facility of Video Conferencing.

- **Campus Management Solution**
  - o Institute is working on Campus Management Solution and two (02) coordinators, Khurram Shahzad and Syed Ehsan Haider Zaidi are working and upgrading the previous data with coordination of IT Centre.

- **Web Portal**
  - o Institutional web page is developed under the Punjab University website and updates regularly by requesting IT Centre.

- **Development of Online-Admission System**
  - o There is no online-admission system of the institute. The admissions take place by Punjab University manual exercise.

FACULTY OF SCIENCES

DEPARTMENT OF GEOGRAPHY

- Digital Library: (Fully functional)
- Video Conferencing: (Fully functional)
- Campus Management Solution: (Fully functional)
- Web Portal: (Fully functional)
- Development of online admission system: *In progress*

DEPARTMENT OF MATHEMATICS

- **Campus Management Solution**   Yes

DEPARTMENT OF PHYSICS

- **Digital Library**
  - o Synchronization with PU Main Library to avail of digital library facilities there for our students is under the way.

- **Campus Management Solution**
  - Almost all the results, result cards, academic transcripts & Final Transcripts are generated from the CMS. CMS is 70-85% operational in the Department.
- **Web Portal**
  - Updated information regarding our Department is available at **www. pu.edu.pk**

DEPARTMENT OF SPACE SCIENCE

- **Campus Management Solution**
  - In progress

CENTRE FOR HIGH ENERGY PHYSICS

- **Campus Management Solution**
  - We have worked on the following modules:
- **Admissions**
  - Additions of applications
  - Matriculation (Terms activation, Scheduling of courses)
  - Enrollment (Creation of students and class blocks, Assignment of courses to students)
- **Examinations**
  - Block Merging.
  - Grading and Preparing Grade Roasters of different terms.
- **Hostel Management**
  - Additions of Students of Year 2010.
- **Finance**
  - In Progress

CENTER FOR UNDERGRADUATE STUDIES

- **Strengthening Technological Infrastructure**
  - Digital Library (under process)
  - Video Conferencing (Fully functional)
  - Campus Management Solution (under process)
  - Web Portal (under process)

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH (CIMR)

- **Digital Library**
  - Linked with Main Library and developing Center's own Library
- **PERN**
  - Linked by Pakistan Education & Research Network, a project of Higher Education Commission, Pakistan

- **Campus Management Solution**

  o Results and data management using CMS

- **Web Portal**

  o Web portal is being prepared

- **Development of online admission system**

  o Online admission is being prepared and launched during coming session

INSTITUTE OF CHEMISTRY

- **Strengthening Technological Infrastructure:**

  o Institute of Chemistry has its own website. At that website, different information related to Institute like admission dates, admission results, detail of faculty member, different programs offered and detailed description of the syllabi is available.

INSTITUTE OF GEOLOGY

- **Digital Library**

  o Students of the Institute of Geology avails the facility of Digital Library available at the University web.

- **Campus Management Solution**

  o The Institute of Geology manages all the students data i.e. admissions/ enrollment, results, hostel accommodation on Campus Management Software (CMS)

- **Web Portal**

  o The web portal of the Institute of Geology is as under:

  http://pu.edu.pk/home/department/47/Institute-of-Geology

- *Development of online admission system*

  o As per P.U. policy during admission

PUNJAB UNIVERSITY COLLEGE OF INFORMATION & TECHNOLOGY

- **PERN**

  o 28 MB Bandwidth

- **Campus Management Solution**

  o CMS provides the standard tools for faculty to manage their online courses, process assignment, maintain grade books and stay in contact with colleagues and students. Students enjoy being able to easily see their assignments, lessons and other information for all of their classes like semesters transcript etc. staff benefits from services such as built-in help desk, textbook requisitions, exam scheduling and faculty/course changes.

- **Web Portal**

  o www.pucit.edu.pk

- **Development of online admission system**   Yes

COLLEGE OF STATISTICAL AND ACTUARIAL SCIENCES

- **Digital Library**
  - o Synchronization with PU Main Library for the use of digital library facilities to our students is under the way.
- **Video Conferencing**
  - o Presently not in operation, however, equipment & techniques are available in the College
- **Campus Management Solution**
  - o Almost all the results, result cards, academic transcripts & Final Transcripts are generated from the CMS. CMS is 70-80% operational in the College.
- **Web Portal**
  - o Updated information regarding our College is available at pu.edu.pk