



**BALOCHISTAN UNIVERSITY
OF
INFORMATION TECHNOLOGY
ENGINEERING
&
MANAGEMENT SCIENCES**

BUIITEMS

Quality & Excellence in Education

**Annual Report
2007**

**1st Public
Sector IT
University in
Pakistan**

**Multi Protocol
Networking**

**Sophisticated
Telecom Micro
Processing
Laboratory**

**Free IT
Awareness
Programs**

**Linkage with
Reputed
Foreign
Universities**

**Cluster Super
Computing
Laboratory**

**Debates
Competitions
Declamation
Stage Plays**

**CAD/CAM
Laboratory**

FOREWORD

The Balochistan University of Information Technology, Engineering & Management Sciences (BUIITEMS) has the satisfaction of bringing out the Annual Report for the year 2007. This report reflects the current level of development and achievement of the objectives in different sectors of the university.



Balochistan University of Information Technology, Engineering and Management Sciences is a notable addition to the galaxy of institutions of higher education in Pakistan. As originally planned, this institution has stood up to the expectations of fostering among the students a new zeal and desire to excel. Our students are not content only with covering the courses of studies or with passing the examinations just for the sake of a degree; they are rather focused on mastering the entire relevant field of learning. They have their eyes not on today, but also on the future- their own future, as well as the future of the country.

Balochistan University of Information Technology, Engineering and Management Sciences has given a new vision and a distinct meaning to education. Its guidelines for academic achievements are comparable to those of the most renowned institutions of the world.

Academic excellence would be un-imaginable without the provision of physical environment and facilities conducive to the educational process at the campuses. One of the most impressive features of the university has been the continuous growth in all fields i.e. growth in quality human resources, growth in laboratory facilities, growth in incentives for diligent students, growth in recreation and sports facilities, in short, growth in every field that contributes to the promotion and excellence of education at the top-level.

The Higher Education Commission and the Chancellor BUIITEMS/Governor of Balochistan have supported all our endeavors at exalting the image of BUIITEMS. But for their whole-hearted and unflinching support, it would have been difficult for us to move within the sight of our cherished goals. We owe gratitude to Engr. Owais Ahmed Ghani (Chancellor), Dr. Atta-ur-Rehman (Chairman HEC), Dr. Akram Sheikh (Dy. Chairman, Planning Commission) and Dr. S. Sohail H, Naqvi (Executive Director HEC) for their all-out patronizing support to this university. Though much has been achieved, our quest for higher standards is not quenched. We aspire to move forward at a brisker pace, and our past achievements indicate that we are treading on firm ground.

I may not be the best judge as to what extent we have moved forward in 2007, but response and appreciation of the society has been remarkable. I take this opportunity to thank all my wellwishers and my colleagues who supported me in promoting the image of the university.

Engr. Ahmed Farooq Bazai
Vice Chancellor

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Our Vision
Mission Statement
Our Goals
&
Core Values

OUR VISION

To be among the leading universities of the world - accessible to all, imparting quality education and promoting cutting edge research.

Mission Statement

*At **BUIITEMS**, we are committed to provide quality education with focus on research and to equip students with the art of living as productive members of society, contributing to the socio-economic uplift of Pakistan in general, and Balochistan in particular.*

Our Goals

1. *To provide outstanding academic programs that further strengthen our performance, pre-eminence and efficiency.*
2. *To provide an excellent teaching and learning environment for students to reach a level that matches the best universities in the world.*
3. *To raise revenues from partnerships, research grants and technology transfer while strengthening our ability to more effectively invest and allocate resources for education.*

Core Values

- Accountability:** We are committed stewards of the loyalty and goodwill of our alumni and friends of the human, fiscal and physical resources entrusted to us.
- Diversity:** We recognize that diversity leads to excellence, enhancing our teaching, scholarship and service as well as our ability to respect and interact with people.
- Integrity:** We practice honesty, truth and integrity in all that we do.
- Respect:** We treat each other with civility, dignity and respect.
- Social responsibility:** We contribute to the intellectual, cultural, spiritual and economic well-being of the society.



Introduction

The establishment of the Balochistan University of Information Technology and Management Sciences was announced in March 2001, as a step towards the implementation of the Government of the Pakistan's National IT Policy and the Action Plan 2000. Since this was the first Public Sector University of its kind in the country and the project was to be initiated on immediate basis, the Federal Ministry of Science & Technology prompted the government of Balochistan to provide a building for the purpose of housing the proposed institution. The provincial cabinet allocated the building of the Primary Education Directorate for the establishment of the university and it was accordingly handed over to the management of the university.

The university started functioning in September, 2002 with the basic objective of providing quality education in keeping with the rapidly changing technical, social, political and economic needs of the society. The academic activities took off on the 14th of October, 2002 with the introduction of graduate programs in the disciplines of Computer Science, Computer Engineering and Business Administration with an initial intake of 90 students. However, within a short span of 16 months, the student strength rose to more than 900 as the university ensured the provision of top class instruction, sophisticated laboratory equipment and competent and highly qualified faculty. BUITMS also took lead in opening new vistas of advancement by admitting students in Doctorate programs in Management and Economics, Biotechnology and Mathematics.

The Ordinance of Balochistan University of Information Technology and Management Sciences was amended in 2007. With the issuance of the Amendment Ordinance, the need surfaced

for revision and re-notification of all statutory bodies of the university. Accordingly, the Senate of the university was notified by the Honorable Governor Balochistan / Chancellor. In its second meeting on August 28, 2007 the Senate approved the change of nomenclature of “Balochistan University of Information Technology and Management Sciences”(BUIITMS) to “Balochistan University of Information Technology, Engineering and Management Sciences” (BUIITEMS). At present BUIITEMS is catering to the academic needs of more than 3000 students.



The university has taken quantum leaps by expanding its premises into three campuses, namely_ the City Campus which houses the Administration and the Faculty of Management Sciences, the Faculty of Biotechnology and Informatics, and the Faculty of Arts and Basic Sciences; the Takatu Campus, accommodating the Faculty of Information and Communication Technology, the Faculty of Engineering and the Chiltan Campus which is being developed for the future accommodation of the Division of Biotechnology and Informatics, and the Faculty of Life Sciences.



The foundations of Balochistan University of Information Technology, Engineering & Management Sciences are laid on the sound principles of excellence in academic standards, equity, equality, sincerity of purpose, and the vision for the future. The university is fully functional as a premier seat of higher education and research. All university bodies like the Senate, the Syndicate, Academic Council, Board of Advanced Studies, Departmental Boards of Study, Finance and Planning Committee and Selection Board are in place in accordance with Amendment Ordinance 2007. These bodies are represented by top class academicians, administration and educational leaders.

Engr. Ahmed Farooq Bazai took over the charge of the office of the Vice Chancellor in March, 2007. The challenges before him were monumental, but he set about the task of resolving them by establishing unanimity of purpose and a clear vision about the future shape of the university. With the identification of the goals and guidance from the collective wisdom of his learned colleagues, he embarked on setting priorities without losing sight of the major objectives of the university i.e. achievement of excellence in academic activities and research.



Our quest for academic excellence is based on five fundamental pillars; the students, the faculty, curriculum, the learning environment and the civil society we serve. It is resolved that in our academic offering we shall not only follow the standards; we shall also set new “records of excellence.” Combination of world class precision and crafted curriculum, highly ranked academic research with excellent corporate relations and a blend of soft skills with hard knowledge, are the ways to guide our graduates to the best of business and technological world. At BUIITEMS students are led to harness the richness of content and diversity of communication in an environment conducive to learning.

University
Authorities

The Senate

The Senate is the authority responsible for the governance of the University and comprises 15 members. Headed by the Honorable Chancellor, the Senate has the power of general supervision over the university and holds the Vice Chancellor and other university authorities accountable for all functions of the university

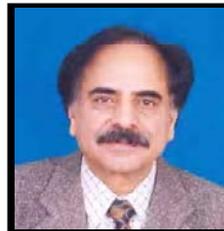
BUIITEMS Senate



CHAIRMAN
Engr. Owais Ahmed Ghani
Chancellor/ Governor Balochistan



MEMBER
Engr. Ahmed Farooq Bazai
Vice Chancellor



MEMBER
Prof. Dr. M.A.K Malghani
Pro. Vice Chancellor



MEMBER
Major @ Ashraf Nasar
Ex. C. S. Balochistan, Quetta



MEMBER
Mr. Salahuddin Mengal
Advocate General Balochistan



MEMBER
Mrs. Roshan Khursheed
Bharocha, Ex-Senator



MEMBER
Mrs. Surayya Alladin
Social Worker & Chairperson ITBM



MEMBER
Engr. Maqbool Ahmed
Secretary to GoB,
Mines & Mineral Department



MEMBER
Prof. Dr. Rasool Bakhsh Raisani
Pro. Vice Chancellor,
University of Balochistan



MEMBER
Dr. Syed Mohsin Raza
Dean, Faculty of Physical Sciences,
University of Balochistan



MEMBER
Dr. Shakeel Babar
Director CASVAB



MEMBER
Mr. Muhammad Suleman Kasi
Head Finance Balochistan,
Islamic Relief Balochistan Chapter



MEMBER
Prof. Dr. Mohammad Nawaz
Dean, Faculty of Arts & Basic
Sciences, BUIITEMS



MEMBER
Prof. Dr. Abdul Hussain Shah Bukh
Dean, Faculty of Information &
Communication Technology, BUIITEMS



MEMBER
Prof. Dr. Ehsanullah Kakar
Faculty of Engineering and
Applied Sciences, BUIITEMS



SECRETARY
Mr. Muhammad Afzal Kasi
Registrar BUIITEMS

The Syndicate

The Syndicate is the executive body of the University and exercises general supervision over the affairs and management of the University. It is a recommending body to the Senate.

BUITEMS Syndicate

Engr. Ahmed Farooq Bazai

Vice Chancellor

CHAIRMAN

Prof. Dr. M.A.K Malghani

Pro-Vice Chancellor

MEMBER

Prof. Dr. Arbab Ghulam Rasool

Dean, PGMI Bolan Medical College

MEMBER

Dr. Rehana Rasheed

Professor Department of Chemistry, University of Balochistan

MEMBER

Dr. Abdul Ahad Abro

Professor, Balochistan University of Engineering and Technology, Khuzdar

MEMBER

Prof. Dr. A.H.S Bukhari

Dean, Faculty of Information and Communication Technology

MEMBER

Prof. Dr. Mohammad Nawaz

Dean, Faculty of Arts & Basic Sciences

MEMBER

Dr. Maqsood Ahmed

Dean, Faculty of Management Sciences

MEMBER

BUIITEMS Syndicate(Contd.)

Prof. Dr. Syed Abid Hussain Dean, Faculty of Engineering	MEMBER
Prof. Dr. A.M Cheema Dean, Faculty of Biotechnology and Informatics	MEMBER
Prof. Dr. Ansaruddin Syed Chairperson, Department of Mathematics	MEMBER
Prof. Munir Ahmed Khan Controller of Examinations	MEMBER
Prof. Dr. Syed Abdul Malik Professor of Chemistry	MEMBER
Mr. Saeed Anwar Director Finance BUIITEMS	MEMBER
Mr. Muhammad Afzal Kasi Registrar BUIITEMS	SECRETARY

The Academic Council

The Academic Council, the academic body of the University has the mandate to lay down proper procedures for instruction, research and examination, to regulate and promote the academic life of the university, constituent and affiliated colleges.

BUIITEMS Academic Council

Engr. Ahmed Farooq Bazai Vice Chancellor, BUIITEMS	CHAIRMAN
Prof. Dr. M.A.K Malghani Pro-Vice Chancellor	MEMBER
Dr. Maqsood Ahmed Dean, Faculty of Management Sciences	MEMBER
Prof. Dr. Mohammad Nawaz Dean, Faculty of Arts & Basic Sciences	MEMBER
Prof. Dr. Syed Abid Hussain Dean, Faculty of Engineering	MEMBER
Dr. Ehsanullah Kakar Associate Professor, Faculty of Engineering and Applied Sciences	MEMBER
Prof. Munir Ahmed Khan Controller of Examinations	MEMBER
Prof. Barkat Ali Chairperson Department of Management Sciences	MEMBER
Prof. Sultan Mahmood Niazi Director Languages	MEMBER
Mr. Ghulam Mujtaba Junejo Asstt. Professor Department of Management Sciences	MEMBER
Mr. Sadiq Ahmed Bugti Lecturer Department of Computer Science	MEMBER

BUIITEMS Academic Council (Contd.)

Prof. Dr. Abdul Malik Professor of Chemistry	MEMBER
Mr. Asif Ali Incharge Telecommunication Engineering	MEMBER
Mr. Zahid Rauf Incharge Information Technology	MEMBER
Prof. Dr. Ansaruddin Syed Chairperson, Department of Mathematics	MEMBER
Prof. Dr. Rafeeq Ahmed Jhatial Chairperson, Department of Textile Engineering	MEMBER
Mr. Wajahat Maqbool Incharge Electronic Engineering	MEMBER
Mr. Muhammad Nadeem Incharge Computer Engineering	MEMBER
Ms. Tanveer Feroz Librarian	
Mr. Muhammad Afzal Kasi Registrar	SECRETARY

Finance and Planning Committee

The Finance and Planning Committee deals with the financial matters of the university including budget allocations, accounts and funds etc. The committee periodically reviews the financial position of the university and advises the syndicate on all matters relating to planning, development, finances, investment and accounts of the university.

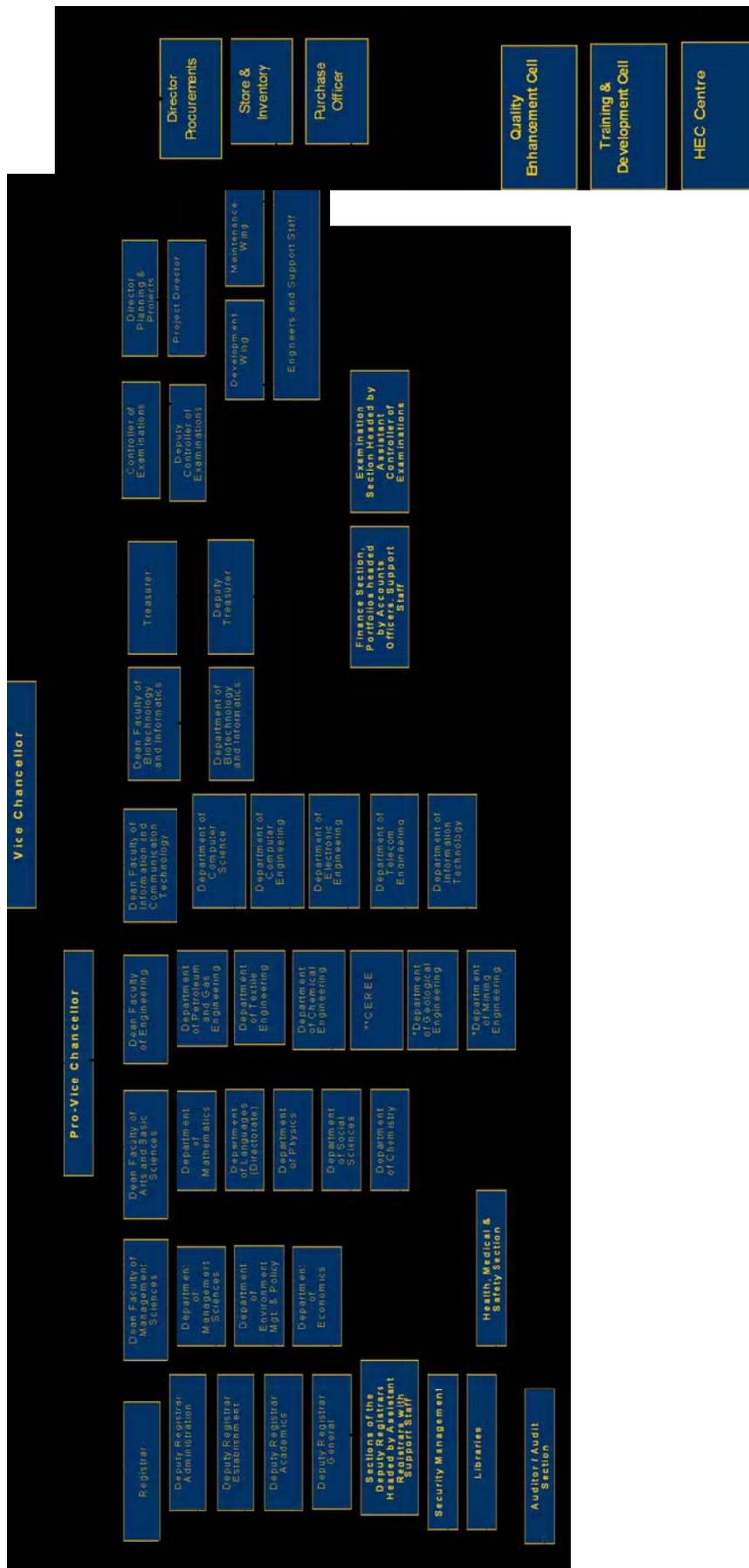
BUIITEMS Finance and Planning Committee

Engr. Ahmed Farooq Bazai Vice Chancellor	CHAIRMAN
Additional Secretary Finance Government of Balochistan	MEMBER
Additional Secretary Information Technology, Government of Balochistan	MEMBER
Prof. Dr. A.H.S. Bukhari Dean, Faculty of ICT	MEMBER
Prof. Dr. Syed Abid Hussain Dean, Faculty of Engineering	MEMBER
Mr. Mohammad Afzal Kasi Registrar	MEMBER
Mr. Saeed Anwar Director Finance/ Treasurer	SECRETARY

Other Statutory Bodies

Apart from the above administrative and academic bodies, i.e. Boards of Faculties, Boards of Studies, Discipline Committee, and Advanced Board of Studies and Research of Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS), Quetta were also notified as per the compositions laid down in the Ordinance 2002 read with Amendment Ordinance, 2007. These bodies / committees regularly met during the year 2007 to decide various academic and administrative issues of the University.

University Organogram



* Shows future planned departments.

** CEREE stands for Center of Excellence in Renewable Energy & Environment, BUITEMS

The Vice Chancellor

The Vice Chancellor is the principal executive and academic officer of the University and ensures that the provisions of the University Ordinance, the Statutes, the Regulations and Rules are faithfully observed in order to promote general efficiency and good order of the University and has all powers necessary for this purpose including administrative control over all officers, teachers, students and employees of the University.

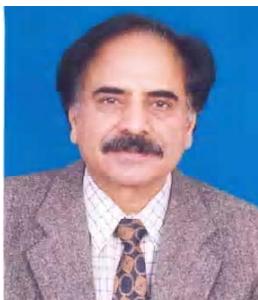
Engineer Ahmed Farooq Bazai took over the charge of the office of the Vice Chancellor, BUIEMS on March 7, 2007 with the avowed determination of leading this institution to the goals of academic excellence and production of capable and competent human resource.



His academic career commenced with early education at Quetta from where he went to Karachi to study for the B.E. degree at NED University Karachi. He did his M.S Engineering (Construction Engineering & Management) from the University of Michigan USA and supplemented his qualifications further with another Master's degree M.S Engineering (Civil Engineering) from the same institution. He is also a graduate of Institute of Mind Sciences, Karachi.

Equipped with technical skills and distinguished academic career, he started his professional career in the Communication & Works Department of the Government of Balochistan, and soon rose to the position of the **Senior Engineer** in which capacity he served up to 1989. Since then he has held various important executive and consultancy positions like the **Chief Executive** Engineering Consortium Karachi, **General Manager** SMEDA Quetta, **Project Officer** Water Environment and Sanitation UNICEF Quetta and as **Water and Sanitation Specialist** on the WORLD BANK Water and Sanitation Program for South Asia, Islamabad before being entrusted with the responsibilities of his present assignment as Vice Chancellor. He is member of numerous reputed International Forums, such as the American Concrete Institute, USA, Pre Stressed Concrete Institute, USA and American Society of Civil Engineers, USA.

The Pro Vice Chancellor



Prof. Dr. M.A.K Malghani joined as Pro Vice Chancellor on 12.07.2007 and as Professor and Dean, Faculty of Biotechnology and Informatics, BUIEMS on 25.07.03. His assignments of 2007 included academic and administrative duties assigned by the Vice Chancellor on various committees such as Disciplinary Committee, Technical Purchase Committee, Examination Committee, Convocation Committee, Employees Selection Committee, Annual Report Committee and Performance Review Committee for deliberating on relevant issues and to recommend the proposed decisions for consideration of the competent authority. He is also member of the statutory bodies of the university, the Senate, the Syndicate and the Academic Council.

He has 35 years of academic and research experience extended as a university teacher and researcher in the subjects of Molecular Biology, Chemistry and metabolism studies.

He introduced Biotechnology and Informatics in the province by establishing Centre of Biotechnology & Informatics at BUIEMS in September 2003, for the first time. The Centre was later granted the status of a faculty.

He is also member of various national and international societies/organizations and is on the board of trustees Pakistan Science Foundation and is president of Pakistan Society of Molecular Biology and Biotechnology. He is also the editor of the Research Journal of Applied and Emerging Sciences, BUIEMS.

Administrative Offices

The administrative offices at Balochistan University of Information Technology, Engineering & Management Sciences offer specialized services to meet the needs of the faculty, students, their parents and the staff.

The Registrar



Mr. Muhammad Afzal Kasi possesses 30 years experience of working on higher responsible positions in the field of teaching, community organization and development, planning, implementation and monitoring of projects of Rural Support Program, Social Development Events. He has an extensive career in projects on Education, Training, Consultancy and Environment with Government and International based agencies.

In addition, he also holds experience in the fields of office management, personnel administration, consultancy and general management. He did his M.Sc (Economics) from The University of Wales, UK. He was elected as president of Federation of all Pakistan Universities Academic Staff Association 1990-91. He has also worked as the President of Academic Staff Association University of Balochistan Quetta from 1989-1990. He was awarded "*Role of Honor*" in sports from Government College Lahore. Mr. Afzal Kasi represented Pakistani team as a Manager cum Coach in Asian Games and in many international tournaments. He won national title in weight lifting championship in 1973-74. Presently, he is working as Registrar of Balochistan University of Information Technology, Engineering and Management Sciences since November 15, 2007.

The Registrar's office manages the following administrative units.

Administrative Section

This section is headed by Mr. Sohaib Majeed, Deputy Registrar Administration. The section deals with overall administrative matters of the university i.e. establishment files, notifications and circulars, rules and regulations, meetings of the statutory bodies and legal affairs etc

Human Resource Management (HRM) Section

This section is headed by Mr. Manzoor Hussain, Deputy Registrar (Establishment). This section manages the regularization of BUITEMS employees, drafting and implementation of service rules, streamlining of the administrative and academic services of the university and processing the up-gradation of faculty positions

Academic Section

This section is headed by Mr. Abdul Qadeem Kakar, Deputy Registrar Academics and its functions are related to organizing entry tests, management of scholarships, fee concessions and grants cases, co-curricular activities, arrangement of meetings of boards of studies and the Academic Council and maintenance of all record pertaining to various categories of need based scholarships

Directorate of Procurements and Logistics

This directorate is headed by Prof. Barkat Ali and is responsible for all procurements for the university, supporting the operations for procurement, arrangement of logistics, maintenance of procurement files, publication and processing of tenders.

Student Affairs Office

Student Affairs Office, headed by Mr. Ahmad Shah Durrani, is playing a pivotal role in arranging co-curricular activities for the students. Four different societies are functioning for the smooth and effective participation of students in co-curricular and social activities.

Islamic Society: It assists not only the students but also the teachers and administrative staff in creating awareness about various problems and their solutions in the light of Quran and Sunnah.

Literary Society: It is a society which provides a platform for the student writers and poets in various languages to demonstrate their literary talents and ensure nourishment of their creative faculties.

Debating Society: The debating society offers ample opportunities to the student speakers and debaters for the development of their public speaking skills and identification of promising representatives for declamation and debate contests.

Dramatic Society: It is composed of student actors/ actresses who are interested in dramas and stage show performances.

Facilities at the University

Transport Fleet

The University has a well organized transport system available for the facility of the students and staff. A fleet of five (5) 52-62 seat buses, 2 coasters and four (4) high roof pool vans not only provide transport facility between the campuses, but also provide pick and drop service to the students from points across the city and the suburbs. It is a major form of transport service as the students do not have to travel by over-crowded private transport at the cost of their valuable time and money. Transport is also made available to the students in case of emergency or for the special events of the University.



Hostels

Hostel facilities are provided to students hailing from the interior of the province as well as from other parts of the country. Presently the students are accommodated in the renovated residential quarters at Takatu Campus, where mess arrangements are available. However the hostel buildings are in the final phase of construction, fixture-fitting and would be commissioned for use by 300 boarders shortly.

Mosques

The City and Takatu Campuses of the University have well carpeted beautiful mosques where prayers are offered on regular basis. The services of qualified "Pesh Imams" have been acquired for leading the prayers. The mosques are spacious enough to accommodate hundreds of students at a time. In addition to the students and the staff, people from the adjoining localities also avail the facility of the University Mosques for offering their prayers.

Libraries

As an integral component of academic program, the library supports the university teaching in various faculties of Sciences, Computer Engineering, Information Science and Technology and Business Administration. The library has an effective array of 12,120 books, 37 periodicals and journals.



Experienced library staff assists the users in a variety of ways for the selection and cataloging of material for making use of collections, online searches and library loans. The library has strong service orientation in order to effectively meet the information needs of its academic community.

The **university libraries** are also **linked up** with the **National Digital Library** service of the Higher Education Commission (HEC) and this link has opened unrestricted access to the enormous treasure house of online information. This knowledge resource is tapped by logging onto: <http://www.digitallibrary.edu.pk>.

Cafeterias/Canteens

The students as well as the faculty members and staff stay at the university from morning till late in the evening. During the day they need meals, snacks and refreshments. Accordingly cafeterias have been established at both the campuses and contracts have been awarded to private parties for the provision of meals and snacks at concession rates. The students and the faculty members, as well as other employees of the university enjoy refreshments in their spare time.

Security Arrangements

Adequate security arrangements have been made for the safety of life and property at the campuses. Squads of more than 50 guards keep watch at the City and Takatu Campuses under the supervision of Security Officers. A police contingent is also at hand to assist them, if so required.

Medical Care Centers

Welfare of the students and the staff being a cornerstone of the University demanded the provision of a ready system of medical attention and advice at the campuses. Two medical care centers supervised by medical officers look to the emergency medical problems and prescribe treatment for the remedy of ailment or further reference to government hospital. The centers are stocked with first-aid boxes and diagnostic equipment.

Banks

Bank branches are functional both at the City and Takatu Campuses as for the general benefit of the students and the staff. The students deposit their dues at these branches, while the employees of the University draw their salaries or pay their utility charges at these banks. The staff employed at the bank provide exclusive services to the students and the staff of the University.

Auditoriums

Well-furnished and well equipped auditoriums are situated at the City as well as the Takatu Campus of the University. Multimedia and overhead projectors, sound systems etc are in place for holding important events like seminars, symposia, lectures and co-curricular functions. The auditoriums are air-conditioned and provide



appropriate atmosphere for holding functions at the university. Prominent scholars, dignitaries and students find atmosphere conducive to the expression of their ideas during such events.

Internet Facility at BUTEMS

BUTEMS has internet bandwidth of 2 MB that is being utilized at both of its campuses, twenty four hours a day and seven days a week. The two campuses (City campus & Takatu campus) are connected through a high speed wireless link, in addition to 2 MB bandwidth mentioned earlier. The university is also getting 1 MB of additional bandwidth for Takatu campus from private sources; however the internet bandwidth will soon be upgraded to 8 MB, the approval for which has already been accorded by Higher Education Commission and procurement of equipment is in final stages. The internet facility is also available at students and faculty hostels and helps us in creating a research oriented culture through 24 hour access to Higher Education Commission (HEC) digital library.

Scholarships and Fee Concessions

The Balochistan University of Information Technology, Engineering and Management Sciences is an equal opportunity institution, open to all persons who are qualified to seek higher education and willing to work hard irrespective of their financial status. The university offers freeships to the top notchers in every program on the basis of merit. 10% of the top students are allowed fee concession every semester on the basis of merit in their previous semester examination. So every diligent student has the opportunity of getting free/ subsidized education on the basis of merit. Cases of students with extreme financial hardships are also considered for monetary assistance in the form of extra-merit fee concession, which ranges between 25%-100% freeship in the case of industrious but highly under privileged students. Details of fee concession awarded to the students during the year 2007 are given below: Higher Education Commission of Pakistan has also made various arrangements for alleviation of the plight of the needy but diligent students in the form of scholarships offered by the various organizations.

S.No.	Concession	No. of Beneficiaries	Amount
1.	Full fee concession	73	Rs 839500
2.	75% fee concession	122	Rs 1052250
3.	50% fee concession	281	Rs 1615750
4.	25% fee concession	372	Rs 1069500
	Total	842	Rs 4577000

USAID Need-based scholarships: amount to Rs: 31000/= per student per semester. This amount not only suffices for the tuition fee/ funds, but also leaves a handy amount of Rs: 19,500/- per student per semester for meeting their living expenses. 43 students were selected for the award of USAID need based scholarships. The students were awarded a total amount of Rs: 24,80,000/- during the year 2007.

Japanese Need-based scholarships: The Government of Japan has also extended financial support to the hardworking needy students of the university in the form of Japanese need based scholarships, equal in value to those offered under the USAID need based scholarship scheme. Twelve students enrolled in MBA, MS and BS programs are currently availing the facility. They received a total amount of Rs: 744,000/- during the year 2007.

Khushhali Bank Scholarships: Khushhali Bank offers special incentives to the students of Management Sciences to pursue their studies whole-heartedly without being dogged by financial worries. The bank offers secure job opportunities on the successful completion of the study programs. Eleven BS (BA) students are availing sumptuous scholarships under this scheme and the bank has provided a total amount of Rs 4,56,000/- to cover their educational expenses for 8 semesters.

Faculty Development

PC- I under the title of Development & Capacity Building at BUIITEMS was approved with cost of Rs. 468 million in June 2005, out of which an amount of Rs.220m were approved for Faculty Development. Directorate of Training & Development was established in 2007 with the need of improving the skills of staff and faculty members to bring about capacity building impact.

Following are the major functions of Training & Development Cell:

Training Need Assessment (TNA): Under this training program, staff and faculty members are assessed according to their expertise and, based on the needs, are assessed and trained to further enhance the skills.

In-House Trainings: Workshops and seminars are conducted at which experts enhance the skills of staff and faculty in an effective and professional manner. Staff and faculty members are nominated for training in renowned training institutes such as Pakistan Institute of Management (PIM).

Faculty Development Program (FDP): The university sought assistance from the HEC under the Development and Capacity Building program at BUIITEMS for producing 40 Ph D's and twenty eight scholars were sent to Australia and U K for PhD / MS leading to PhD studies, during the year 2007.

In order to meet with the dearth of human resources at BUIITEMS, the university decided to call back the scholars after the completion of their MS degrees. They would again be sent abroad for pursuance of doctoral studies. Ten scholars reported back to BUIITEMS in 2007 after completion of their MS degrees and have been assigned teaching responsibilities in their respective areas of specialization.

These scholars will make effective contribution in academic activities of BUIITEMS and will then proceed for doctoral studies.

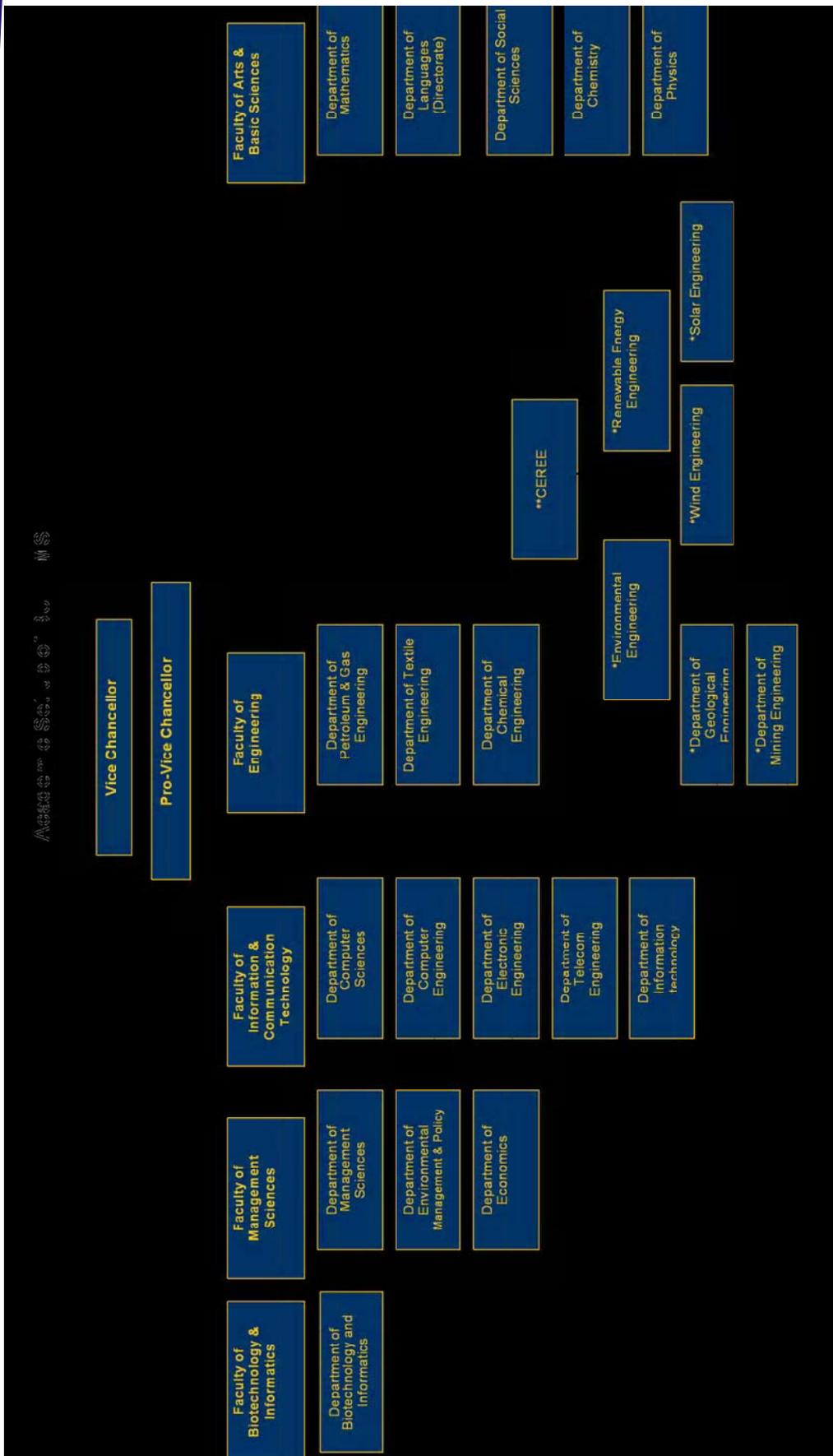
Scholars sent to Glasgow University	Scholars sent to Adelaide University
Mr. Umair Afzal Khan	Mr. Aymen Sajjad
Mr. Ammad Ahmed	Mr. Mumrez Khan
Mr. Samiullah	Mr. Kamran Zafar
Mr. Azhar Khan	Mr. Mohammad Adeel
Mr. Liaquat Ali Channa	Mr. Faisal Amir
Mr. Ahmed Zeeshan	Mr. Ahmer Shahzad
Mr. Ikhlaq Ahmed	Mr. Hadi Hassan
Mr. Syed Munnawar Shah	Mr. Noor Mohammad
Mr. Zahid Majeed	Mr. Sarbuland Khan
Miss Nadia Ali Shah	Mr. Qazi Javed Ahmed
Mr. Riaz ul Amin	Mr. Babrak Ali
Mr. Jan Mohammad	Mr. Imran Siddiqui
Mr. Mohammad Naeem	Mr. Mohammad Najam
	Miss. Sara Saqib
	Miss. Syeeda Irfana Kanwal

It is very heartening to note that reports of scholars doing their MS are very encouraging. Mr. Aymen Sajjad earned 6 distinctions (including one top merit position).

Cases of remaining fourteen scholars are in process and they would be leaving for higher studies abroad very soon.

Scholars reported back after MS in 2007	Qualification Attained	University
Mr. Umair Afzal Khan	MS(Plant Sciences)	Glasgow University, UK
Mr. Samiullah	MS (Research Sciences)	Glasgow University, UK
Mr. Azhar Khan	MS (Research BMS)	Glasgow University, UK
Mr. Liaquat Ali Channa	M. Ed (ELT)	Glasgow University, UK
Mr. Ahmed Zeeshan	M.Litt.	Glasgow University, UK
Mr. Syed Munnawar Shah	MS (Economics)	Glasgow University, UK
Mr. Zahid Majeed	MS (Mgt Research)	Glasgow University, UK
Ms. Nadia Ali Shah	MS Management (International Marketing)	Glasgow University, UK
Mr. Ahmer Shahzad	MS (Chemical Engineering)	Adelaide University Australia
Mr. Mohammad Najam	MS (Chemical Engineering)	Adelaide University Australia

Faculties
and
Departments



Re-Structuring of Faculties

Initially, the Balochistan University of Information Technology and Management Sciences was functioning with the following faculties:

- * Faculty of Computer and Emerging Sciences
- * Faculty of Management Sciences
- * Faculty of Biotechnology and Informatics
- * Faculty of Engineering and Applied Sciences
- * Faculty of Social Sciences

With the expansion of the University academic set-up and the reclassification of the programs of study, the need was felt to re-structure the faculties and it was proposed to the Senate to approve the re-structuring of the faculties simultaneously with the change in the nomenclature of the university from Balochistan University of Information Technology and Management Sciences (BUI-TMS) to Balochistan University of Information Technology, Engineering and Management Sciences (BUI-TEMS). The senate approved the proposals in its meeting held on August 28, 2007 and following five faculties were notified on September 25, 2007.

- * Faculty of Information and Communication Technology
- * Faculty of Management Sciences
- * Faculty of Biotechnology and Informatics
- * Faculty of Engineering, and
- * Faculty of Arts and Basic Sciences

Prof. Dr. A.H.S. Bukhari, Prof. Dr. Maqsood Ahmed, Prof. Dr. A.M. Cheema, Prof. Dr. Syed Abid Hussain and Prof. Dr. Mohammad Nawaz were appointed as the Deans of the faculties respectively.

Students on Roll

1. Faculty of Information and Communication Technology

Departments	Programs	BS	MS/ M.Phil	Ph.D	Total
Electronic Engineering		347	5	--	352
Computer Sciences		254	62	--	316
Computer Engineering		151	--	--	151
Information Technology		84	--	--	84
Telecom Engineering		147	--	--	147
Faculty Sub-Total					1050

2. Faculty of Management Sciences

Departments	Programs	BS	MS/ M.Phil	Ph.D	Total
Management Sciences		466	321	--	787
Economics		149	--	--	149
Environmental Management & Policy		--	35	18	53
Faculty Sub-Total					989

3. Faculty of Engineering

Departments	Programs	BS	MS/ M.Phil	Ph.D	Total
Chemical Engineering		116	--	--	116
Textile Engineering		129	--	--	129
Petroleum and Gas Engineering		213	--	--	213
Faculty Sub-Total					458

4. Faculty of Biotechnology and Informatics

Departments	Programs	BS	MS/ M.Phil	Ph.D	Total
Biotechnology and Informatics		350	24	58	432
Faculty Sub-Total					432

5. Faculty of Arts and Basic Sciences

Departments	Programs	BS	MS/ M.Phil/ MS leading to Ph.D	Ph.D	Total
Mathematics		--	16	--	16
Physics		3	3	--	6
Social Sciences		23	--	--	23
Faculty Sub-Total					45

Grand Total				2974
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Faculty Strength

1. Faculty of Information and Communication Technology

Departments	Positions	Professors	Assistant Professors	Lecturers	Total
Electronic Engineering		1	1	11	13
Computer Sciences		--	1	20	21
Computer Engineering		--	2	9	11
Information Technology		--	1	2	3
Telecom Engineering		--	1	6	7
				Faculty Sub-Total	55

2. Faculty of Management Sciences

Departments	Positions	Assistant Professors	Lecturers	Total	
Management Sciences		3	28	31	
Economics		3	8	11	
Environmental Management & Policy		1	2	3	
				Faculty Sub-Total	45

3. Faculty of Engineering

Departments	Positions	Professors	Associate Professors	Assistant Professors	Lecturers	Total	
Chemical Engineering		1	--	1	5	7	
Textile Engineering		1	--	--	10	11	
Petroleum and Gas Engineering		1	1	--	6	8	
Mining and Geological Engineering		1	--	--	1	2	
						Faculty Sub-Total	28

4. Faculty of Biotechnology and Informatics

Departments	Positions	Professors	Associate Professors	Assistant Professors	Lecturers	Total	
Biotechnology and Informatics		1	2	4	16	23	
						Faculty Sub-Total	23

5. Faculty of Arts and Basic Sciences

Departments	Positions	Professors	Associate Professors	Assistant Professors	Lecturers	Total	
Mathematics		2	--	2	2	6	
Physics		--	1	1	3	5	
English		--	1	--	8	9	
Psychology		--	--	--	2	2	
Islamiat		--	--	1	2	3	
Chemistry		1	--	--	--	1	
International Relations		--	--	--	1	1	
Pak Studies		--	--	--	1	1	
Statistics		--	--	--	1	1	
						Faculty Sub-Total	29

					Grand Total	179
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Faculty of Biotechnology and Informatics

Introduction

The Faculty of Biotechnology & Informatics was established in spring 2004 with the degree programs of B.S, M.S. and Ph.D in the Department of Biotechnology and Informatics. Since then, it is expanding with considerable intake of students in the progressing semesters. The Faculty is consolidating the degree programs of the Department of Biotechnology and Informatics, however, targeting in establishing other departments in near future. The programs of the Department of Biotechnology and informatics are developing resource persons in Biotechnology largely in Life Sciences and specifically in Plant Sciences, Agriculture, Biomedical Sciences, Industrial and Environmental fields of study. In the section of Informatics, the computer related fields of study are integrated for their applications in Biotechnology.

Introduction of the Dean and Chairman

Dean: Professor Dr M.A.K. Malghani

(From 25-08-2003 to 03-09-2007)



Professor Dr M.A.K. Malghani served as Dean of the faculty during the period from 25 - 08 - 2003 to 03-09-2007.

He was then appointed as the Pro-Vice Chancellor of the university and Prof. Dr. A.M. Cheema took over the charge of the office of the Dean, Faculty of Biotechnology and Informatics.

Professor Dr Abdul Majeed Cheema

(From 04-09-2007 to Date)



Professor Dr Abdul Majeed Cheema joined the University as Professor in July 2004. He graduated for B.Sc. Honours and M.Sc. at Government College, Lahore from the University of the Punjab in 1963 & 1964 respectively. He obtained his Doctoral Degree from the University of Aston, Birmingham, England in 1972. He has more than forty years teaching and research experience in Pakistan and abroad. He served in University of the Punjab, Lahore for more than 30 years. He has supervised research work of more than 110 M. Sc, 6 M.Phil / M.S. and 12 Ph.D students. He has published more than 110 research papers in journals of national and international repute. He additionally held the position of Registrar for about five months at the University from July to November 2007.

Chairperson: Professor Dr Abdul Majeed Cheema

He was the Chairperson of the Department of Biotechnology & Informatics of the Faculty during 2007.

Introduction

Balochistan University of Information Technology & Management Science took lead in the province by establishing the Centre of Biotechnology and Informatics on Aug. 25th , 2003. Unprecedented success and progress of the Centre within a very short period of time convinced the authorities to declare it as a full faculty in Aug. 2004. The interest of the society in its establishment can easily be gauged by the number of students enrolled in various programs of studies. Presently about 432 students are enrolled for BS, MS and PhD degrees.

The faculty of Biotechnology and Informatics is preparing the youth to enter into the future, as resourceful members of the scientific community where they may be able to harness the forces of nature for the well being of the nation and the humanity at large. The principal concern of the Faculty is 'student' who is to be assigned the life long task of exploring and discovering original avenues of life sciences and improving agriculture, health, environment and industry in the regional and global perspectives. The Faculty seeks to develop biotechnological procedures and mechanism of predictions with integrated approach, receiving feedback from all of its faculty members.

The courses taught at the Faculty are futuristic and world class in standard. As a component of a Research University, emphasis is on creative activities and students are supervised by eminent researchers. The Faculty is designed to explore life at molecular levels and use this information for the development of bio-industries dealing with pharmaceuticals, Agriculture Technologies, Medical Diagnostics, Bioinformatics and Environment Management.

The Faculty is functional in two campuses, namely *City Campus and Chiltan Campus*. The Chiltan Campus has 150 Acres of land with tube well, green house, tissue culture laboratory and Research Farm facilities for the students.

Laboratories and other Facilities

The Faculty laboratories have state of the art equipment including PCR HPLC, fermenter, clinical diagnostic equipment, spectro-photometers for carrying out research in the laboratories mentioned.

Health Biotechnology Laboratory

This research laboratory has been dedicated to the work on technologies for study of health related problems like diseases and life style, ageing, role of nutrients and food, biochemical diagnostics and other such subjects of interest to the students and teachers of the Faculty. Molecular studies of cardiovascular health and diabetes in population of higher altitudes were under investigation by a number of MS and PhD students in 2007

Tissue Culture Laboratory

Plant tissue culture studies are of great economic importance for the regeneration of disappearing species of plants and trees like juniper in Ziarat and also for the propagation of fruit plants, exotic flower plants and herbs of medicinal importance. The facility has been established in the faculty where students learn techniques and research work is carried out by the faculty.



Plant Regeneration Laboratory

This laboratory is climatically controlled and has the facility for studies in the regeneration of economically and environmentally important plant for Balochistan. The plant studies include investigations on medicinal and endangered species. This laboratory is available to research students who are interested in understanding

the natural growth promoting agents with respect to soil, seed and also healthy biochemical intervention. The laboratory is also supported through research projects.

Molecular Diagnostic Laboratory

The vision and comprehension of the contemporary health issues on the part of the Faculty of Biotechnology and Informatics became a reality in the form of establishment of PCR based diagnostic Laboratory for Hepatitis B,C and T.B. This is the first laboratory of its nature in the Province. Its importance can be judged by the fact that HBV and HCV are the most common causes of viral hepatitis in the developing and underdeveloped world including Pakistan, In addition to causing chronic liver diseases and cirrhosis, it has a formidable track record of being linked to primary hepatocellular carcinoma. This facility will, therefore, help in proper diagnosis and ultimate cure of these infectious diseases. This laboratory is open to all for providing PCR based diagnostic services on no profit no loss bases, when it comes to cost.

Teaching Laboratory

In addition to research Laboratories a teaching laboratory for B.S. students has also been established for carrying out the routine practicals. This laboratory is equipped with the basic equipment required for the purpose of teaching.

Research Projects Undertaken:

A) Funded by Outside Agencies

S. No	Principal & Co Investigator	Title of the Project	Year of the Project & Amount	Funding Agency
1.	Dr. Mohammad Saeed	Development of the economical protocol for micro propagation of different varieties of carnation using tissue culture technology.	Second (2006-9) Rs.1.8 m.	HEC Islamabad
2.	Dr. Mohammad Saeed	Germination & Regeneration of Chilgoza pine (<i>Pinus gerardiana</i> Wall. ex Lamb.) through conventional and unconventional methods	First (2007-9) Rs.0.927 m	HEC Islamabad
3.	Professor Dr. A. M. Cheema		First Rs.5.0 m.	HEC (ILPFU)

B) On University Resources

S. No	Investigators	Title of the Project
1.	Professor Dr A. M. Cheema, Sultan Baig and Tahir Irfani	Relationship of life style related biochemical targets to higher altitude inhabiting populations.
2.	Professor Dr A. M. Cheema, Kamran Taj and Abdul Qadir	Nutritive strategy of dry fruit based oil seeds in hypertensive subjects.
3.	Professor Dr A. M. Cheema and Nabila Tariq	Fluoride in the ground water reservoirs in the region of Quetta to assess its implication on the health of the population.

Faculty of Management Sciences

The economy of Pakistan is agrarian. Concerted efforts are being made to transform the agrarian base of economy to the industrial one. The process of industrialization is going on at accelerated pace. The multinational corporations are attracted to make investment in various sectors of our economy. Special attention is being given to exploit the industrial potentials to pave way for accelerated economic development in Pakistan. The process of economic development needs trained managerial resources and excellent expertise in business and public management. But there is dearth of trained managerial pool and skilled human resource in Pakistan.

Considering the challenges of management in today's global economy and the diverse needs of developed human resources in various functional areas of management in Pakistan, the BUIITEMS established the Faculty of Management Sciences in September 2002. The faculty has the following Departments:

- * Department of Management Sciences
- * Department of Economics
- * Department of Environmental Management & Policy.

The Faculty of Management Sciences is committed to develop students presentation skills, analytical thinking faculties and critical understanding of management issues and solutions through imparting high quality education in various disciplines of Management Sciences along with growing portfolio of research, designed to influence managerial policies, management practices and corporate governance. In addition, the faculty aims at producing professional managers of high caliber, competence and expertise to meet the demands of on-going globalization, thus contributing productively, responsibly and ethically to the achievement of national and international development goal.

The Faculty attracts a capable student body with diverse demographic profile from the remote areas of the country, giving priority to the students from Balochistan. The student community from all walks of life enriches the Faculty with lively intellectual environment and makes it "*The Faculty of Choice*". The faculty provides a forum for rich cross-fertilization of ideas and valuable national networking opportunity.

Dean: Prof. Dr. Maqsood Ahmad



Dr. Maqsood, holds a doctorate degree from Canada, Master of Science degree from USA and Bachelor of Science degree from Pakistan. His diverse academic experience, spreads over 18 years of international multidisciplinary field experience, including computer modeling, technical projects management, implementation & coordination, budgeting, scheduling, data collection, analysis and interpretation, contract administration, communication with cross functional teams to meet project deadlines, compilation of progress reports, evaluation of budgetary allocations and evaluation and experience of personnel management.

Dr. Maqsood has taught undergraduate and graduate level courses and is a member of various societies. He is a Higher Education Commission (HEC) approved PhD Supervisor.

Department of Management Sciences

Chairperson: Professor Barkat Ali



Prof. Barkat Ali did MBA from IBA Karachi in 1971 and LLB from University of Balochistan in 1984. With rich experience of management in Textile Industry, he opted teaching profession in 1974. He served as Director, Institute of Management Sciences and Chairman, Departments of Administrative Sciences and Commerce, University of Balochistan. He also worked as Controller of Examinations, BUIITEMS.

He has been associated as a consultant with ODA/ World Bank Second Family Health Project, Balochistan, SEBCON, Islamabad, Development Foundation, Islamabad, DFID, National Education Foundation Project, and WB; Balochistan Education Foundation Project. He has excelled in designing, training and development programs.

His areas of teaching include Financial Management, Strategic Management, Human Resource Management and Organizational Behavior. He has conducted the courses - *Financial Management and Strategic Management* offered to Ph.D students at BUIITEMS. His research is focused on management theories, management systems, health financing and training & development. In addition to teaching assignment, he supervises the undergraduate and graduate students research projects. He has got 10 national and international publications to his credit. He is a member of Business Education Accreditation Council, Higher Education Commission, and member Board of Studies of various universities in Pakistan.

Facilities/ Student Services

Library and Research Resources

The Faculty of Management Sciences maintains a computerized library that remains open to all students and teachers from 9:00 a.m. to 9:00 p.m. The library has a core collection of more than 2000 books, references, research journals, magazines and periodicals in the areas of management, finance, economics and marketing. In addition, the library maintains a wide variety of specialized information, including publications of international and national organizations, statistical data and government documents.

On-line research facilities and access to internet are conveniently available to teachers as well as students.

Computer Laboratories

The faculty has three laboratories equipped with Internet and latest softwares e.g. SPSS & E. View, These laboratories are also equipped with Programs for the Enhancement

of Research Information (PERI) provided by the Higher Education Commission of Pakistan.

The students and faculty members may access about 10,000 latest research journals. Adequate printing facilities are also available to students and teachers in all laboratories.

Audio-Visual facilities

The faculty is well equipped with all the modern facilities including slides, overhead projectors and multimedia systems.

The teaching staff and the students, working in groups or alone, make optimal use of the audio-visual aids.

Counseling and Guidance

The Faculty works closely with students throughout their career development process, helping them develop career options and establish contact with potential employers. The students are provided with occasions to reorient their behavioral patterns, their basic self-goals and socio-cultural values through perpetual counseling, group discussions, dialogues and consultations with their teachers.

Research and Development

The faculty as well as, the students conduct research studies in areas- Human Resource Development, Organizational Behavior, Finance, Marketing, Socio- Economic Development, Banking & Finance and Environmental Management.

Department of Management Sciences

Programs of Study

The Department of Management Sciences offers the following study programs.

- * BS (Business Administration)
- * Master of Business Administration
- * Master of Business Administration (Banking & Finance)
- * Master of Business Administration (Executive)
- * Master of Business Administration (after four years BBA/ BSBA programs)

Research Topics Undertaken by Students

S.No.	Research Project	Supervisor	Students
1	Effects of Leader's Behaviour on employees Performance	Mr. Abdul Raziq	Mohammad Wakeel Khalid Khan Mohammad Arif Zulfiqar Ali
2	Bank Car Financing Scheme: A Comparative Study	Prof. Barkat Ali	Habib ur rehman Imran Baloch Mohammad Fahad Mohammad Hashim
3	The Impact of Physical environment on performance	Mr. Abdul Raziq	Jameel ahmed Asma Gul Kashif ghor Zahid sami
4	The relation among Work related Attitudes of the employees	Mr. Irfan Siddique	Rabia Nighat Najmus Sahar Madiha Faiz
5	Benefits of trade union to its Members	Prof. Barkat Ali	Masood ahmed Ahmed jan Hamid Ullah Amir Durrani
6	Pitfalls of Micro financing in context to poverty alleviation	Mr. Ghulam Mujtaba	Sana Arif Ansari Sofia Ahsan Farooq Shoaib Ahmed Ahmed Murtaza Hassan
7	Impact of work stress on employee's efficiency in Banks	Mr. Ghulam Mujtaba	Shukria Jan Sadaf Afzal Awan Saima Nosheen Maheen Shakeel
8	Absenteeism & Productivity of the students of BUITEMS	Mr. Manzoor Hussain	Ahmed Seyal Ghaffar Khan Zahoor Ahmed Baloch Sheryar Khan
9	Traffic Management in Quetta: Issues & Solutions	Mr. Manzoor Hussain	Hassan Ali Zahid Waheed-ud-din Umer Naveed Shehzad
10	A study of Motivational Factors Preferred by Employees of BUITEMS	Prof. Barkat Ali	Sohaib Majeed Zahra Ameer
11	Training and Development Needs Assessment of the Petrol Pumps Attendants of Shell Retail Outlets in Quetta	Mr. Abdul Raziq	Irfan Nazir
12	A study of Post Privatization Analysis of PTCL regarding Organizational Structure	Mr. Manzoor Hussain	Furrukh Javed Umar Ayub Khan
13	Determinants of Capital Structure Evidence from Cement Industry of Pakistan	Mr. Abdul Raziq	Mohammad Qasim Khan Junaid Waheed
14	Stress Awareness, and the causes of stress among academicians & Administrative Staff of BUITEMS	Mr. Manzoor Hussain	Mubashir Munawar Khurshed Alam
15	How should a Bank Retain its customers A case study on Bank Al-Falah Ltd.	Mr. Ghulam Mujtaba	Zafar Iqbal Ali Bin Mehmoood

Department of Economics

Introduction

Appreciating the vital role of Economics in overall national development, a separate department under the Faculty of Management Sciences has been created since November 2006. BUIEMS is pioneer in offering 4-years BS Economics in Balochistan and is among the top five in offering at the national level. This is a very well structured program designed by eminent academicians of repute to produce the economists high in demand in the job market. Well-qualified faculty is available to guide and train the students in a friendly environment conducive to learning. An ideal teacher to student ratio is maintained. It is highly expected that after the completion of economics studies here the participants will be warmly welcomed in the market.

Incharge: Syed Mohammad Khair



Syed Mohammad Khair was selected as Agro-Economist in 1998 in Sir William Halcrow and Partners Ltd. (a consultant) at Balochistan Community Irrigation and Agriculture Project, a joint venture of Government of Balochistan, the World Bank and Government of Netherlands. Afterwards he was appointed as scientific officer in Pakistan Agriculture Research Council (PARC) at Agriculture Economics Research Unit, Quetta, where he played a major role in the preparation of more than 20 research reports and conducted many surveys with multinationals, that is FAO, IFPRI and ICARDA. In the meantime, he published many research papers in journals of international repute. He also supervised and completed the research thesis of two students from Sindh University, Tandojam. On the basis of his excellent performance he was nominated as the best scientist 2004 in Social Sciences Division of PARC.

Due to his significant contributions in the field of research, Balochistan University of Information Technology Engineering and Management Sciences (BUIEMS), Quetta, selected him as Assistant Professor (Economics) in April 2005. Besides teaching, he has also been involved in research activities of the faculty and supervised/advised the research project of about 16 MBA and two M.S. students. He was appointed In-charge, Department of Economics, BUIEMS in September, 2006.

Department of Environmental Management and Policy

Environment is an integral part of the overall process of development, and any modification of the physical environment has important bearing on the socio-economic changes affecting the quality of life. Visualizing the future needs, BUIEMS introduced various programs on Environment Management and Policy which focus on the development of environment managers trained for relevant strategic issue-handling and development of policies for the achievement of improvement in the protection of important aspects of Nature.

Programs of Study

MS Environment Management and Policy

It is a two years program covering studies in Urban Environmental Management, Principles of Environmental Sciences, Environmental Economics, Environmental Policy and Law, Research Methods and Techniques, Disaster Management, Water and Sanitation, Solid Waste Management, Energy and Environment, Environmental Monitoring and Pollution Control Standard.

Short Training Course

A short course on "*Environmental Issues and Pollution Control*" was organized by the Department in June, 2007 in collaboration with Pakistan Engineering Council and IESE (NUST).

Vertical Air Tunnel Wind Turbine Power Generation Research Project



On approval by the Honorable Governor / Chancellor, this project was initiated in March 2005, at the site of the Takatu Mountains near Killi Chashma Achozai Quetta and was completed in December 2007. The project was aimed at generating electricity by using the vertical air tunnel and wind turbines.

As opposed to normal wind energy machines, the Vertical Wind Turbine aims at artificial generation of high speed air currents by employing a very tall vertical or near vertical tunnel, which utilizes the natural atmospheric temperature and pressure difference existing between the base and the top of the tunnel due to change in elevation which, in turn, induces an upward air current in the tunnel.

A five (5) feet diameter steel tunnel has been installed to give a total length of 500 feet. For energy generation, two different designs of air turbines will operate an electric generator to produce electricity. The success of this project will provide an alternative energy generation source, very well suited to the conditions encountered in Balochistan.

Faculty of Information and Communication Technology

Faculty of Computer and Emerging Sciences was established in 2002 with only one department - the Department of System Sciences. This department offered two degrees namely BS in Computer Science and BS in Computer Engineering. With the completion of additional facilities new departments were subsequently opened. The department of Electronic Engineering was established in Fall 2003, the department of Telecommunication Engineering was established in Fall 2005 and the department of Information Technology was established in Spring 2006. The Faculty of Computer & Emerging Sciences was renamed as "*Faculty of Information & Communication Technology*" in the second meeting of Senate held on August 28, 2007. Notification to this effect was issued on September 25, 2007. Prof. Dr. Mohammad Nawaz served as Dean of Faculty of Computer and Emerging Sciences until September 24, 2007. On September 25, 2007 he was appointed Dean Faculty of Arts and Basic Sciences while Prof. Dr. A. H. S. Bukhari assumed the charge as Dean Faculty of Information and Communication Technology.

Dean: Prof. Dr. Abdul Hussain Shah Bukhari



Dr. Hussain joined University of the Sindh as a faculty member in November 1965 and did PhD from "*Moscow State University*" USSR in Electronics in March 1972.

He then proceeded for postdoctoral Training at "Institute of Technology", Uppsala University, Sweden during 1976-77 and at "*Centre for Robotic Systems in Microelectronics*" at University of California Santa Barbara, U.S.A in 1986.

He has the distinction of being a member of numerous national and important educational, scientific and technological organizations of the country. Dr Bukhari was awarded Gold Medal for Academic and Administrative Excellence and Certificate of Excellence by (Governor of Sindh) in Convocation '96 held by University of Sindh.

Dr. Bukhari joined as a professor in the "Faculty of Computer and Emerging Sciences" at the "Balochistan University of Information Technology, Engineering and Management Sciences" on November 01, 2004.

Incharge Chairpersons

Engineer Wajahat Maqbool, BE, MSEE

Engineer Zahid Rauf BEIT, MS (U.K)

Engineer Muhammad Nadeem, BE, MSCE

Engineer Asif Ali Changezi, BE, MS, MS (U.K)

Mr. Sadique Ahmed Bugti, M.Sc, MSCS

Department of Electronic Engineering

Department of Information Technology

Department of Computer Engineering

Department of Telecom Engineering

Department of Computer Science.

Facilities Available

Faculty of Information and Communication Technology has acquired Hardware and Software laboratories for both experimental training and theory in the curricula prescribed by the faculty in the disciplines of Electronic Engineering, Telecommunication Engineering, Computer Engineering, Computer Science and Information Technology.

Hardware Laboratories

Electronic Engineering Laboratory is trifurcated into three sub labs as mentioned under:

1. Electronic Engineering Laboratories

- * Digital Electronics Laboratory (Digital Systems & Digital Logic Design)
- * Analog Electronics Laboratory (Electronic Devices & Electronic Circuit Design)
- * Basic Electronics Laboratory (Electronic Workshop, Basic Electrical Engineering)

The above Laboratories are fully equipped with latest equipment for the training of Engineering, Technology and Science at all levels of relevant practical work.

2. Telecommunication Engineering Laboratories

Telecommunication Engineering has four laboratories as mentioned below:

i) Communication Systems Laboratory

This laboratory is equipped with sophisticated equipment open to all students of various disciplines, especially related with Communication Systems for training and conduct of practicals.

ii) Microprocessor Laboratory

This laboratory is for senior students who complete their course requirements in Digital Logic Design, Digital Systems, and Computer Structure. The Microprocessor System & Assembly Language and Microprocessor Interfacing Techniques are the essential part of computer. Knowledge of Hardware of Microprocessor controlled by software for engineers working in relevant field and also for software developers is essential.

iii) VLSI Design Laboratory (VLSI Design Techniques)

This Laboratory deals with training of Very Large Scale Integration Design Techniques. These techniques are used in designing IC's and Chips. Verilog HDL is a Hardware Description Language (HDL) which is used to describe a digital system. Verilog supports all sensitive hardware description language in which hardware development could be checked. Its syntax is similar to C-language. Verilog supports FPGA (Field Programmable Gate Array), The final year students of Computer Engineering & Electronic Engineering are benefited by this laboratory.

iv) **Fiber-Optics Laboratory**

This laboratory contains equipment and simulators for Data Transmission & Reception. This laboratory is utilized by senior students of Electronic Engineering & Tele-communication Engineering Department.

Hardware & Software Laboratories



CAD/CAM Laboratory

This is a UNIX based laboratory which is specifically meant for the Graduate and Under Graduate level students of Computer Science & Computer Engineering.

The laboratory is specifically utilized for research purpose and conducting the laboratory work of following subjects:

- * Computer Aided Design / Computer Aided Manufacturing
- * CAD Software (ARRIS)
- * Object Oriented Programming(Using Java)
- * Sun Solaris Administration (Elective Course)
- * Networking experiments on Solaris platform
- * Projects related to hybrid computing

Software Laboratories

*Blue-Chip Internet Laboratory

This laboratory is open for all the students of university from 9:00 AM to 11:00 PM for general Internet usage, the students residing in university hostel are allowed to use

this laboratory for preparing their assignments and projects till late hours, the course practicals like Programming Languages, Computer Architecture, Software Project Design, DBMS (Oracle, SQL, PSQL) are also conducted in this Laboratory.

***Advanced Software Laboratory**

This Laboratory is specifically used for the final year projects. The students of Computer Science and Computer Engineering departments are allotted machines and other equipment as per the project needs to complete their projects in smooth manner. The machines have multiple operating systems installed (Windows and Linux)

***Multi-Protocol Networking Laboratory**

As the name suggests the laboratory is meant for cross communication of hybrid platforms including Windows, Linux and Sun Solaris. The laboratory is fully networked and has printing facility as available in other laboratories.

Cluster Computing Laboratory

This project is financed by Higher Education Commission Pakistan, This laboratory is specially designed for research on Cluster Computing; using the state of the art facility. The faculty has also published some work on OSCAR Based Cluster Deployment and Management in Linux Environment, Open-MPI.

Research Projects Undertaken by Students and Teachers (Fall 2007)

Department of Electronic Engineering

Project Topics

- * Bank Automation and Security Control System VIA PSTN
- * Automatic Genset Controller for Mobile Company
- * Security System using Biometric Sensor
- * Pre-Paid Digital Watt-hour Meter
- * RF Controlled Computerized Aircraft
- * Speech Signal Processing Using FPGA
- * Image Processing Technique
- * Computer Interfaced Trainer
- * Robot Cleaner (Robotic Vacuum Cleaner)
- * Analysis of Wimax Technology
- * Performance Analysis of WLL in CDMA & Wimax
- * Telemetry in Irrigation System Using GSM
- * A Mobile Robot with a developed neural Network

Department of Computer Science

Project Topics

- * Web application for NCHD Human resource system
- * Inventory control system of IDO
- * V Scrap
- * Accounting system/inventory control
- * SMS Alert system for BUITEMS
- * Date sheet generator
- * Multiple operating system integration
- * Website for kidney centre
- * Online railway reservation system
- * BUITEMS online registration system
- * E-Learning

Department of Computer Engineering

Project Topics

- * Database for Post Office
- * Image Processing Techniques
- * Online Student Record System
- * Voice Over Wireless Line
- * Computerized Balloting System (CBS)
- * Mobi Save (Mobile Phone Book & Document Saver)
- * Lossy JPEG2000 Encoder Algorithm Implementation
- * Hover Craft
- * Robotics

MS Research Theses

S.No.	Name	Topics
1	Mr. Kamran Ali	"Internet Connectivity For Mobile Ad HOC Networks" July, 2007
2	Mr. Muhammad Javid Iqbal	"Security in Wireless Sensor Networks (WSNs)" July, 2007
3	Mss Bushra Qayyum	"Traffic Engineering With Multi protocol label Switching" July, 2007
4	Mss. Baddar-uj-Jahan	"Authentication Techniques in wireless Virtual Private Network" (VPN) July, 2007
5	Mr. Ali Jan kasi	"Real-Time Transmission Schemes for Video Conferencing" June, 2007
6	Mss. Salma Gulam Rasool	"High Availability in Session Initiation Protocol (SIP) Infrastructure" May, 2007
7	Mss. Farah Taj	"Optical Networks" May, 2007
8	Mss. Bushra Haq	"Intrusion Detection system" May, 2007
9	Mss Rafia Usmani	"Utilization of Global Positioning System & Wimax" July, 2007
10	Mr. Muhammad Hussain	"A Survey: Web Content Mining" June, 2007
11	Mr. Ali Afzal	"Security in IPv6" June, 2007
12	Mr. Mbiz-u-Din	"Single Electron Transistor and CAD Simulation" June 27, 2007
13	Mr. Muhammad Umer Siddiqi	"Deep Level Defects in GaAs" July, 2007
14	Mr. Aminullah Khan	"Lattice Vibrations in Semiconductors and Related Properties of Silicon"
15	Mr. Muhammad Ejaz	"The Fabrication and Physics of CdTe Thin-Film High-Efficiency" July, 2007
16	Mr. Muhammad Athar Qureshi	"Quantum Key Distribution" July, 2007
17	Engineer Wajahat Maqbool	"Advance issues in Wireless Network Planning" June, 2007
18	Engineer Abid Munir	Environmental Friendly, Low Cost, High Efficient Photovoltaic Solar Cell" July, 2007
19	Mr. Aftab Ahmed Shaikh	"Architecture for an Agent-Based Artificial Immune System" December 20, 2006
20	Engineer Muhammad Nadeem	"Notations for Facilitating Software Security Design" December 21, 2006
21	Mr. Sadiq Ahmed Bugti	"Telemedicine using wireless local loop CDMA Network for Remote Areas of Balochistan" December 21, 2006
22	Engineer Naveed Ahmed	"Dynamic Reconfiguration of Real-Time Embedded System-Two Light Approaches" December 21, 2006
23	Engineer Hafeezullah	"Analysis of OFDMA & CDMA in Multi-Path Fading Environment" December 20, 2006

Faculty of Engineering

Introduction

Faculty of Engineering was established in October, 2004. Introduction of new departments of Mining and Geological Engineering from fall semester 2008 would add new impetus to the faculty. The efforts of the Vice Chancellor towards accreditation of various engineering departments consequently resulted in accreditation of Petroleum & Gas Engineering, Textile Engineering, Chemical Engineering from Pakistan Engineering Council as well as zero visit for the forthcoming programs of Mining and Geological Engineering. Efforts are underway to establish Central Engineering Laboratories, Petroleum & Gas, Textile, Chemical, Mining and Geological Engineering Laboratories with his support from already approved Mega Project.

The Engineering Faculty is located at BUITEMS Takatu Campus (named after the Takatu mountain nearby) at Baleli Quetta. It consists of three departments namely Petroleum & Gas, Textile Engineering and Chemical Engineering already established at this campus where as Mining and Geological Engineering departments will start functioning from Fall 2008. All the graduate programs are leading to eight semesters (four years) BS Degrees and Faculty intends to initiate Masters and PhD Programs in the near future.

Department of Petroleum & Gas Engineering

Dean, Faculty of Engineering

Chairperson: Prof. Dr. Syed Abid Hussain



Dr. Syed Abid Hussain is a Chartered Engineer from Engineering Council, UK, and has worked as full time consultant for Asian Development Bank. He has a total of more than 42 years of experience of Teaching & Research and Mining field administration.

Dr. Hussain has been involved in teaching and research at the University of Engineering and Technology Lahore-Pakistan, Alfateh University, Tripoli-Libya, Nottingham University-UK and Middle East Technical University Ankara-Turkey. He got his Ph.D and M.Sc Engg. degrees from Middle East Technical University Ankara-Turkey, M.Phil from Nottingham University (UK), B.Sc Engg from UET Lahore-Pakistan & LLB from University of Balochistan. Dr. Hussain won several scholarships and grants. He served 22nd IMPC (South Africa, 2003) as member International Advisory Board of International Mineral Processing Congress 1997 and continuing member International Scientific Committee.

He has been actively involved in teaching & research and produced over 60 publications of National and International repute. Dr. Hussain enjoys professional affiliation of IMM, London, Chartered Engineer (UK), MES (UK), AIME (USA), FIE&PE (Pakistan), and SEGMITE (Pakistan).

Dr. Hussain joined Balochistan University of Information Technology, Engineering & Management Sciences in August 2004 as first Chariman of Petroleum & Gas Engineering Department and first Dean, Faculty of Engineering.

Department of Textile Engineering

Chairperson: Prof. Dr. Rafique Ahmed Jhatial



Dr. Jhatial joined Mehran University of Engineering and Technology, Jamshoro (MUET), as a Lecturer in year 1989 just after graduation in Mechanical Engineering from the same University. He got his PhD in Yarn Manufacturing (Textile Engineering) in the year 2001 from the University of Manchester Institute of Science and Technology (UMIST), Manchester, United Kingdom. During his PhD he was appointed as a part time Demonstrator in the Department of Textile by UMIST authorities.

He established the laboratories of Mechanical Engineering in Mehran University of Engineering before PhD and the laboratories of Textile Engineering after PhD. He performed variety of academic and administrative duties during his career viz., Incharge of Laboratories, Head of Laboratories, Chairman of the Department of Textile Engineering, MUET, Jamshoro and Director of Center of Excellence in Arts and Design, MUET, Jamshoro. Dr. Jhatial is an approved supervisor of Higher Education Commission (HEC) in the field of Textile Engineering.

Department of Chemical Engineering

Chairperson: Professor/Dr. Ehsan Ullah Kakar



He is an Engineer by profession, holds a doctorate degree in Structural Engineering from Ukraine, Master degree in Structural Engineering from Kharkov Civil Engineering Institute Ukraine and Bachelor degree from Kharkov Civil Engineering Institute Ukraine.

He has strong fundamentals and understanding of structural engineering (buildings & bridges). His diverse academic experience is spread over 15 years of professional services including, design, construction, project management, budgeting, scheduling; data collection, analysis, and computer modeling, and submission of technical reports. Overall Experience includes over 8 years of teaching, 8 years of research, 5 years of administration, technical projects implementation & coordination, contract administration, communication with cross-functional teams to meet project deadlines, compilation of quarterly & annual progress reports, evaluation of budgetary allocations and evaluation of the effectiveness of projects and experience of personnel management.

He is the Member of ASCE (USA), Member of SEI (USA). He was awarded *STAR AWARD "125 distinguished men & women of the millennium"*

Facilities Available

Laboratories

The following laboratories are being utilized for practicals performed by students in various subjects in order to impart them practical skills.

- * Petroleum Chemistry and Petrophysics Laboratory
- * Textile Testing & Quality Assurance Laboratory
- * Yarn Manufacturing Laboratory
- * Fabric Manufacturing Laboratory
- * Reservoir Engineering and Core Analysis Laboratory
- * Drilling Engineering and Simulation Laboratory
- * Drilling Rig
- * CAD/CAM laboratory
- * Engineering Drawing Laboratory
- * Engineering Workshop
- * Chemistry Laboratory
- * Electronics Laboratory
- * Blue Chip Laboratory

Special achievements by students and teachers

- * The Inter-University Technical Presentation Competition was held on 14th November 2007 at the National Textile University, Faisalabad in which the students of the department of Textile Engineering, BUITEMS won 2nd position.
- * A paper contest was held in UET, Lahore in which students of Petroleum & Gas Engineering participated and presented their papers on Oil Economics, Problems during Drilling, Casing with Drilling and Microbial Enhance Oil Recovery. The students won prize of Rupees. 10,000/-.
- * Annual Technical Conference was held in Islamabad on March 27-28, 2007. The students of Petroleum & Gas Engineering participated and presented their papers on Under Balance Drilling, Microbial Enhance oil Recovery and Production Engineering.
- * Student paper contest was held in MUET, Jamshoro on Nov.3-4,2007. Two students of Petroleum & Gas Engineering BUITEMS presented their papers on Nitrogen Purging and Design Bore Hole Assembly and won 5th position in the competition.
- * Prof. Dr. Syed Abid Hussain attended a project directors Training Course, arranged by Director Projects & Planning, BUITEMS on behalf of Planning Commission, Islamabad.
- * Prof. Dr. Syed Abid Hussain attended an environmental protection course arranged by Pakistan Engineering Council, Islamabad.
- * CETE Conference was attended by Prof. Dr. Syed Abid Hussain arranged by Pakistan Engineering Council, Islamabad.

Study Tours of the department of Petroleum & Gas Engineering

In 2007, Petroleum Department was successful in arranging three Study Tours for Petroleum Engineering students at different locations.

- * First field trip was hosted by the Mari Gas company at its Daharki Gas Field located in Sindh in January 2007.
- * Field visit in June 2007 was facilitated by Pakistan Petroleum Limited (PPL) at their Kandhkot Gas Field in Jacobabad area of Sindh.
- * Study tour of Mari Gas Company was hosted by Daharki Gas Field in November 2007

Industrial Visits of the department of Chemical Engineering

- * The students and faculty visited the Habib ullah Coastal Power Plant at Sheikhmanda, Quetta
- * The students and faculty visited the Hayyat Oil Mill Pvt, Ltd at Eastern By-Pass, Quetta

Trainings and Internships (Petroleum & Gas Engineering)

Petroleum department successfully got 24 internships that include four internships with Multinational companies. Duration of Internship 6 weeks (from 1st August to 17th September 2007).

Linkage with Industry

- * Oil and Gas Development Corporation Limited (OGDCL)
- * Pakistan Petroleum Limited (PPL)
- * Mari Gas Company Limited (MGCL)
- * Pakistan Oil fields Limited (POL)
- * Orient Petroleum International Inc. (OPII)
- * OMV Pakistan
- * Tullow Pakistan
- * Petronas Carigelli Pakistan
- * Schlumberger
- * Baker Oil Tools
- * Pakistan state Oil (PSO)
- * Sui Southern Gas *Company Limited (SSGC)*
- * MOL Pakistan
- * Asian Petroleum Company
- * Weather Ford

Students Activities

- * Society of Petroleum Engineers (SPE), Quetta Student Chapter was launched with the efforts of Faculty and students. An international membership fee of 67 students was sponsored by Halliburton for last year and all 200 students for Chevron International for 2008.
- * A "*Presentation Week*" was celebrated in November amongst all batches and top three students from each batch got cash prize and Chief Guest of ceremony was honorable Vice Chancellor BUITEMS Engineer Ahmed Farooq Bazai

- * Petroleum Instrumentation and Control Equipment Exhibition by Department of Petroleum and Gas Engineering.
- * Students from 04F PG Presented Technical Papers in UET Lahore on the Occasion of Student Paper Contest by Society of Petroleum Engineers
- * Students from 04F PG and 05SPG Presented Papers in Annual Technical Conference (ATC-2007) by SPE in Islamabad.
- * Students Presented Papers in Sub-Regional Paper Contest in Petroleum & Gas Department Mehran UET Jamshoro.
- * Website and Magazine (The Petra) of Department of Petroleum & Gas Engineering will be launched shortly.



Training & Internships (Department of Textile Engineering)

Department of Textile Engineering arranged internship for the students of 7th Semester with the following top Textile mills of Pakistan:

- * Crescent Textile Mills, Faisalabad
- * Nishat Textile Mills, Faisalabad
- * Kohinoor Textile Mills, Rawalpindi
- * Fazal Textile Mills, Karachi
- * Master Textile Mills, Lahore

Video Lectures

The facility of video lectures has been introduced that will enhance the student's practical knowledge by watching the real time industry videos that shows the machinery in operation.

The video lectures cover the following areas of Textile Engineering:

- * Yarn Manufacturing
- * Fabric Manufacturing
- * Wet Processing/Finishing
- * Knitting

Faculty of Arts and Basic Sciences

Dean: Dr Mohammad Nawaz



Dr. Mohammad Nawaz secured his doctorate from the University of Sussex U.K. in 1985 under the supervision of Dr C J Mulvey and worked with Prof. Bernhard Banaschewski at MacMaster University Canada at the final stages of his doctoral studies. His areas of interest include Category Theory, Topose Theory, Quantal Sets and Quantal Logic. He participated in several meetings of Peripatetic Seminars on Sheaves and Logic in U.K., Holland, Belgium and France.

Dr. Mohammad Nawaz is a member of various professional societies including American Mathematical Society and Pakistan Mathematical Society. He has worked for Education Department of Government of Balochistan where he taught Mathematics at undergraduate and graduate levels, imparted training to college teachers, developed and reviewed curricula and textbooks.

Dr Mohammad Nawaz joined BUIITEMS in November 2002 and has worked as Chairperson of Department of System Sciences, Dean Faculty of Computer and Emerging Sciences. Presently he is working as Dean Faculty of Arts and Basic Sciences.

He is working on logical aspects of Quantal Sets in association with C. J. Mulvey of University of Sussex.

Department of Mathematics

Chairperson: Dr. Ansaruddin Syed



Dr. Ansaruddin Syed is the chairperson of the department. He obtained M Sc in Applied Mathematics from Karachi University in 1959 with first class first position. He obtained Ph D in Mathematical Physics from London University (Imperial College) in 1963. His areas of interest are Quantum Field Theory, Classical Electrodynamics and Continuous Groups used in Physics. He has around twenty publications including six papers in journal of Mathematical Physics. He joined BUIITEMS in June 2004 as Professor of Mathematics.

Department of Mathematics offers MS leading to Ph D program and has a significant contribution as service department for other faculties. The department aspires to offer 4 year BS program very soon. Necessary ground work has already been done for this purpose in the first meeting of its Board of studies.

Laboratory Facilities

The department of Mathematics has a computer laboratory for the students of MS leading to Ph D program. In this laboratory the students make use of digital library and access to relevant electronic journals for their research Projects and reports.

Department of Physics

Chairperson: Dr. Shoaibullah Khan



He is working as Associate Professor in the Department of Physics since January, 2007. He did his PhD in Atomic and Molecular Physics from The University College London (UCL) in 1980. Before joining BUITEMS, he performed his duties as Professor of Physics in the Education Department Govt. of Balochistan. Presently he is teaching graduate level courses at BUITEMS. He has taught subjects like Modern Physics, Electronics, Nuclear Physics, Applied Physics and Atomic Physics. He has three research papers on his credit. His research interests are in experimental Atomic Physics. He is officiating as Chairman Department of Physics.

Programs of Studies/ Courses

BS (Physics) four year program is offered according to Higher Education Commission (HEC) curriculum. In addition to this applied physics is taught to the students of Chemical, Textile, Petroleum, Computer, Electronics Engineering and Computer Science. In this way, the department has significant importance as service department for engineering disciplines.

The Department of Chemistry

Chairperson: Dr. Syed Abdul Malik



He did his M.Sc. from University of Karachi in 1963, with specialization in Inorganic Chemistry. He joined University of Karachi as Assistant Lecturer. In 1965, he proceeded to Queens College, University of St. Andrews, Dundee as a research scholar and completed his Ph.D under the guidance of Dr.T.J.R. Weakley in 1969. His research topic was '*Synthesis and Characterization of Ions*'. Then he joined Cardiff University as a Post-Doctoral Fellow (1969-70) to work on ESR Spectroscopy. In 1970 he joined University of Karachi as Assistant Professor and became a full Professor in 1982. He retired as Chairman, Chemistry Department in 2002. He has been working at BUITEMS since the start of Spring semester, 2005.

Chemistry is being taught to students of Faculty of Engineering and Applied Sciences and is a subject of crucial importance for students of Chemical Engineering. Induction to 4-year BS program will be announced in near future.

Chemistry Laboratory

Chemistry laboratory was designed and established in 2007. Various types of instruments were purchased for an instrumental laboratory which is functional for the analysis of samples.

Department of English

Prof. Sultan Mahmood Niazi

Chairperson: Director Languages



He is a prominent teacher of English language & literature, having vast academic and administrative experience, is the Chairman and Director of the center. After graduate level studies at Govt. College, Lahore, he did his Masters in English from the University of the Punjab in 1966. He undertook Post-graduate fellowship studies in teaching of English as a foreign language at the University of Sydney, Australia in 1975. In addition to teaching English language & Literature at College level, he taught English Literature to Post-graduate students for 10 years. He held various administrative positions including the posts of Principal of Intermediate and Degree colleges, Joint Director of College Education, Managing Director of Balochistan Education Foundation and Chairman, Balochistan Textbook Board. In 1993, he won the President's award for the development of high quality instructional material. His fields of special interest include 'Literary Criticism', Phonetics and Language shift.

With the object of developing the linguistic and communicative skills of our students, a center of modern languages has been established at the Balochistan University of Information Technology, Engineering and Management Sciences, Quetta. The center looks after the teaching of courses in English language, Functional English, Communication skills, Business Report Writing, Technical Report Writing and Business Communication. As such, the Center provides auxiliary services to all the faculties and serves as a unit of pivotal value for the entire academic achievement at the university.

Programs of study offered

BS (Social Sciences), a four year degree program was introduced in Fall 2006, with the option to students to specialize in English, International Relations or Psychology after the completion of foundation courses during the first two years. The main object of this program is to groom the students to have adequate command over English language in order to prepare them to face the challenges of the fast developing world and the global acceptance of English as the language of specialized studies.

Ongoing Research in the Department of English

Mr. Ahmed Zeeshan Gul, Lecturer in English has submitted following papers to different journals in Linguistics domain:

- * A corpus-based evaluation of the Agreement-Based Model's hypothesis regarding phrase order of a bilingual clause: evidence from Hindi-English code-switching. *Syntax A* journal of Theoretical, Experimental and Interdisciplinary Research, Blackwell Publishin.
- * Is Pakistani society social stratified according to the accentuation difference in English words? *The Linguistics Journal* (Asian, online) sister journal to EFL

- * A corpus- based evaluation of the Agreement- Based Model 's hypothesis regarding conjunctions of abilingual sentence: evidence from Hindi- English code-switching World Englishes, Blackwell Publisher.
- * A corpus-based evaluation of the Agreement- Based Model's hypothesis regarding noun phrase of a bilingual sentence: evidence from Hindi-English code-switching. Language in Society, Cambridge.
- * A corpus-based evaluation of the Agreement-Based Model's hypothesis regarding verb phrase of a bilingual sentence: evidence from Hindi-English code-switching. Sociology of language, Mouton Gruyter.
- * A corpus-based evaluation of the Agreement-Based Model's hypothesis regarding tags of a bilingual sentence: evidence from Hindi-English code- switching. Journal of linguistics, Cambridge

Mr. Liaquat Ali Channa, Lecturer in English is actively engaged in working on following aspects of English Language Teaching.

- * How far can English as the medium of instruction promote English in Pakistan? An analysis of the language policy of 2011 of Pakistan
- * What are problems in learning and teaching English in Pakistan?'
- * 'Language Policy of Pakistan: assimilationist or pluralistic?'
- * Bilingual education and Sindh (Pakistan): 'Which bilingual educational model will the language policy of 2011 lead to in Sindh? An Analysis of the language policy of 2011 of Pakistan'

Department of Social Sciences

International Relations Section

The course of International Relations is designed to familiarize the students with emerging trends, concepts and phenomena in International Relations. It covers a wide range of issues including theories, political economy, foreign policy, strategy studies and all other related courses. Moreover, contemporary issues in world politics and regional studies are given due importance and value. Special emphasis is also being laid on the effects of globalization on the international society and its in-depth analysis.



Mr. Ahmad Shah Durrani has been working as Incharge International Relations (IR) section at BUIEMS since September 2005. He did his Masters in International Relations from University of Balochistan, Quetta. He is pursuing his M.Phil leading to Ph.D. on "*The Role of United States in Afghanistan (since*

Saur Revolution, 1978 until the Culmination of the Bonn Process, 2005)" from University of Karachi.

His articles have been published on various issues in English, Urdu and Pashto newspapers and magazines. He has presented his papers in national and international seminars and conferences.

Psychology Section

Psychology is present in every aspect of human behavior. It is everywhere you look and an intrinsic part of everything you do. An adequate grasp of the subject of Psychology is imperative for bringing harmony in human relations. An intelligent approach to human beings and knowledge of human behavior patterns streamlines the human relations without giving rise to chagrin and distrust. Education of Psychology is the only possible way of mitigating mutual differences among the people.



Ms. Ayshah Manzoor is the Incharge, Psychology section. She did her Masters in Psychology from University of Balochistan (with distinction: First Class First Position) Gold Medalist. She secured 5th position in BA Examination, University of Balochistan, Quetta. Currently she is doing MBA from the same institute.

She is Incharge of Dramatic Club & member of Sports Committee BUITEMS. She is also Incharge of Girls Hostel.

The Examination System

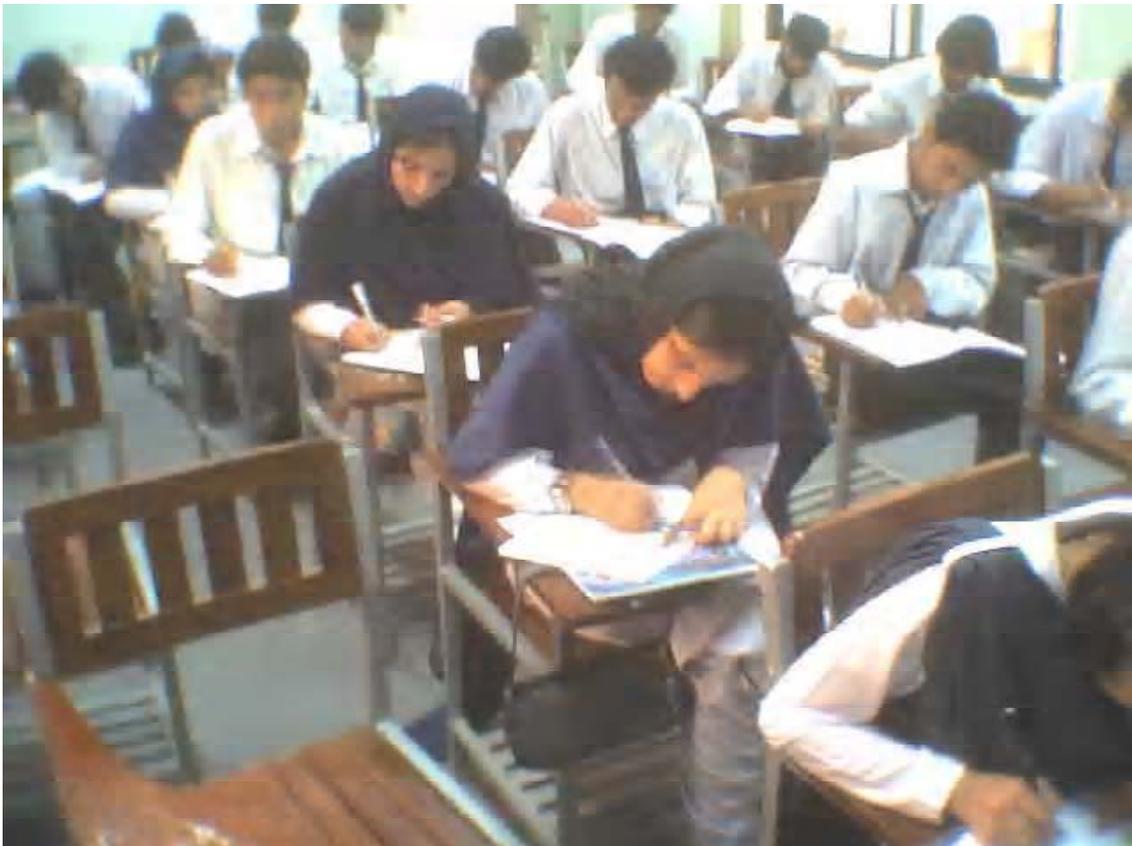
The Examination System

Controller of Examination: Prof. Munir Ahmed Khan



Basically an economist, Prof. Munir Ahmed Khan holds the distinction of supplementing his MA (Economics) qualification from Sindh University by pursuit of MSc (Economics) Program of University of Hull (UK) and M. Phil (Economics) at the university of Essex (UK). He holds vast teaching experience starting with lectureship in Economics in 1971, upto Professorship in 2001. During more than 30 years he taught Economics to students at Intermediate and Degree levels.

The preponderant function of the examination branch is compilation and declaration of results and consequently issuing of Detailed Marks Certificates (DMC), Transcripts and Degrees. With a view to accomplish these vital tasks, various processes are taken in hand which are elaborated below . This would highlight the way the examination branch goes about fulfilling its assigned functions.



Processes

Submission of Award Lists

At the end of each semester the Award Lists of the mid-semester and final examinations are submitted to the examination branch of BUIITEMS. These award lists are duly signed by the respective instructor, chairman of department and dean of the faculty.

Data Entry Process

The data entry section of the examination branch feeds the award list's entries in the software system. The entries are made according to the list of registered students provided by the student affairs section of the University.

Verification

Having completed the entry process, marks of each individual student are cross checked, minutely scrutinized and verified by a team headed by the Deputy Controller Examinations.

Class Result Notification

Verification process is followed by compilation of the results and notification of the same. Result notification of each individual student is made available to the respective department chairs. A copy is also sent to the Dean at Faculty level.

The process right from submission of final award lists to result notification involves a time period of 15 days. Scholarships for top 10% students are also notified with class result notification.

Gazette Notification

On the completion of all semesters of a particular study programme; the gazette notification of all passing out students is issued after re-verification of results of these semesters. Having sought approval of Vice Chancellor the gazette notification is issued.

Issuance of Transcripts/ Degrees

Transcripts and degrees are issued according to the gazette notification.

The qualifying requirements are as under:

- * Completion of all specified and elective courses, according to the plan of the offered program.
- * Completion of mandatory credit hours specified for a subject.
- * Minimum cumulative GPA of 2.0 or better for all courses offered.

- * Successful completion of required semester weeks.
 - Needless to mention that BUISTEMS has adopted the 'semester system' in all its programs of studies. An automated examination record system has been developed to store the result which in turn enables the branch to generate class result, DMCs, transcripts and specifically GPA & CGPA of each student. None of the documents is issued to the students in manual form.
 - Availability of online results on BUISTEMS website is also made and can be accessed across the internet.

Directorate of Quality
Enhancement &
Accreditation

Directorate of Quality Enhancement and Accreditation

Director: Dr. Mohammed Rafiq Baloch



He received his Ed.D in Leadership for the Advancement of Learning and Service at Cardinal Stritch University, Milwaukee, Wisconsin USA. He obtained his Master's degree in Computer Science from Cardinal Stritch University Milwaukee, Wisconsin USA and his undergraduate degree in Business Administration, from Upper Iowa University, Milwaukee, Wisconsin USA.

Dr. Baloch is presently the Director Quality Enhancement and Accreditation of the Balochistan University of Information Technology, Engineering & Management Sciences, Quetta.

His areas of expertise/interest include: Executive-level management capitalizing on expertise in strategic initiatives, team building and motivation, Six Sigma deployment, job costing, and operations management leading by example and empower personnel through clearly defined goals, active listening, multi-lingual communication, individualized incentives, and continuing education.

Introduction

The Quality Assurance Agency of Higher Education Commission (HEC) is directly monitoring and improving the standard of Quality of higher education in a systematic way with uniformity across the country. In this connection BUIEMS has established a Quality Enhancement Cell (QEC) under the direction of Vice-Chancellor and Higher Education Commission, Islamabad in November, 2006. It is in the second phase of HEC project. Dr. Rafiq Baloch Director and Syed Dara Shikoh Amir Deputy Director were appointed on 08/08/2007 & 08/10/2007 respectively. The QEC was designated as a Directorate of Quality Enhancement and Accreditation BUIEMS, on 29/11/2007.

Vision

Quality Assurance Agency (QAA) aims at uplifting the quality of education and harmonizing the standards of degrees of the universities with the international standards through the development of a sustainable mechanism of Quality Assurance in order to meet the dire challenge of transforming the Provincial status into a knowledge economy.

Aims & Functions

- * Promoting public confidence that quality and standards for the award of degrees are enhanced and safeguarded.
- * Devising techniques to evaluate the faculty performance & then training them for the removal of weaknesses through teacher training programs.
- * Devising and implementing standards for quality evaluation & assurance.

- * Devising quality assurance processes and methods of evaluation to ensure that the quality of provision and the standard of awards are being maintained and to foster curriculum, subject and staff development, together with research and other academic activities.
- * Review of quality standards and quality of teaching and learning in each subject area.
- * Review of academic affiliation with other institutions in terms of effective management of standards and quality of programs.
- * Ensuring that the quality assurance procedures at the university are designed to fit in with the arrangements in place nationally for maintaining and improving the quality of Higher Education.
- * Development of program stipulation. These are standard sets of information clarifying what knowledge, understanding, skills and other attributes a student will have developed on successfully completing a specific program.
- * Development of qualification framework by setting out the attributes and abilities that can be expected from the holder of a degree.
- * Monitoring department activities to measure the performance, and encouraging them to uplift their teaching & learning quality by conducting different programs i.e. Seminars, workshops, monthly department meetings.

Devising procedures for the following

- * Approval of new syllabi/curricula.
- * Annual monitoring and evaluation including program monitoring, faculty monitoring and student's perception.
- * Departmental review as per instructions in Self Assessment Manual.
- * Student feedback as per instructions in Self Assessment Manual.
- * Employer feedback as per instructions in Self Assessment Manual.
- * Quality assurance of Master's, M.Phil. and Ph.D. degree programs.
- * Subject review.
- * Institutional audit.
- * Program Specification
- * Quality Framework

The main objective of the Directorate of Quality Enhancement and Accreditation BUIEMS is to monitor and enhance academic processes, procedures and practices within academic departments. It is also responsible for promoting public confidence that the quality and standard of the award of degrees are enhanced and safeguarded.

One of the eventual outcomes, of the QE&A is the production of a Self Assessment Report. The objectives of self assessment report are mentioned below.

- * Maintain and continuously enhance academic standards.
- * Enhance student learning.
- * Verify that the existing programs meet their objectives and institutional goals.
- * Provide feedback for quality assurance of academic programs.

- * Prepare the academic program for review by discipline councils.

Each and every department at BUIITEMS, is involved in preparing self assessment reports. In this process, program teams comprising one chairman and two faculty members from each department review together the quantitative data and information received from multiple sources regarding their educational programs. The main purpose of eliciting this information is to improve student learning and evaluation and to judge whether academic and learning standards are being met or not. After reviewing the self assessment report by QE&A the results can be applied for the improvement of quality of the academic activities.

Accreditation

Accreditation is an important aspect of ensuring quality according to national and international criteria. It is a process of quality assurance, through which a program in an approved institution is appraised at intervals not exceeding three years to verify that the program meets the norms and standards prescribed by PEC.

Accreditation involves an evaluation of under graduate programs offered by universities and other education providers, through a well defined, peer review process in which endorsement based on broadly designated parameters and criteria.

The objective of accreditation is to provide standards of excellence that help to encourage educational institutions to improve their programs, having sound knowledge of fundamentals and an acceptable level of professional skills. It also assists prospective students in identifying quality institutions; facilitates the transfer of students from one institution to another. Accreditation provides assurance that the academic aims and objectives of the program are achieved through the resources currently available, and that the institutions running the program has demonstrated capabilities to ensure effectiveness of the educational program.

Visit of Pakistan Engineering Council

In November 2007, two teams from the Pakistan Engineering Council visited the following Engineering Departments. The visit was facilitated by the Directorate of Quality Enhancement & Accreditation.

- * Petroleum & Gas Engineering Department
- * Textile Engineering Department
- * Telecommunication Engineering Department
- * Electronics Engineering Department
- * Chemical Engineering Department
- * Computer Engineering Department

The teams monitored and evaluated the engineering programs and all the above-mentioned departments were recommended for accreditation for one year intake of batch 2004-2005.

Zero visits by the Pakistan Engineering Council teams have also been carried out in respect of

- * Mining Engineering Department
- * Geological Engineering Department

Financial Summary

Financial Summary

Director Finance: Mr. Saeed Anwar



Mr. Saeed Anwar, Balochistan University of Information Technology, Engineering and Management Sciences exhibits the qualities of Scientific precision and mathematical depth and accuracy in his professional approach. Groomed to be a scientist in his student life, he passed his M.Sc in Zoology from the University of the Punjab, Lahore and started his career as a Lecturer in Biology in 1970. He qualified the Central Superior Services (CSS) examination in 1978 and was placed in the Audit & Accounts service. He attended a number of Financial Management courses and received hands-on training at the Pakistan Audit and Accounts Training Institute, Lahore. Since then, he has held responsible positions in the Pakistan Railways Accounts, Army Audit Office, Accountant General Office, Ministry of Railways, Ministry of Foreign Affairs, Directorate of Zakat , Bahauddin Zakriya University, Auditor General Office, PTCL Revenues, Director Auditor General, Balochistan and Controller Military Accounts . Such a rich and varied experience in the management of the financial affairs of various organizations of the government of Pakistan consolidated his practical grasp over the financial matters of sundry nature and refurbished his acumen in making sound financial decisions and giving pragmatic advice.

Mr. Saeed Anwar had wide ranged opportunities of further enhancing his caliber as a financial manager by visiting various countries of Europe, Africa and Asia. His international exposure in countries like Italy, France Switzerland, Germany, England, Portugal, Spain, Tunisia, Libya, Sudan, Saudi Arabia, UAE and Kenya gave him unique insight into the Financial, Accounting and Audit norms applied in the developed and the under-developed parts of the world.

He joined Balochistan University of Information Technology, Engineering and Management Sciences as Director Finance in June, 2007 and has since played the pivotal role in smoothening out certain intricate financial handicaps confronting this institution at that juncture.

Special Audit of BUTTEMS Accounts

On the express request of University the Auditor General of Pakistan deputed a team of auditors to carry out a special audit of the entire expenditure from the developments and recurring grants of the university for the period from September 2002 to March, 2007. The team has completed the task assigned and the audit report is due shortly.

Revised Budget (Recurring) FY 2006-07			
Code	Object Classification	Budget	Revised
		Estimates	Budget
		2006-07	2006-07
	PAY		
011-1	Teaching Staff	27,753,000	21,000,000
011-2	Administrative Staff	15,478,000	10,000,000
011-3	Research Directorate	7,920,000	10,000,000
	Sub Total	51,151,000	41,000,000
	ALLOWANCES		
01202	House Rent	22,689,000	15,500,000
01288	Utility Allowance	5,005,000	3,400,000
01203	Conveyance/Car Maintenance allowance	3,277,000	2,200,000
01286	Dearness Allowance	7,363,000	4,800,000
01202	Medical Allowance	2,454,000	1,650,000
01202-1	Senior Post Allowance		
01202-2	Orderly Allowance		
01202-3	Entertainment Allowance	91,000	40,000
01202-3	Adhoc relief Allowances /SRA30%	13,590,000	7,200,000
01202-4	Faculty Allowance		
01202-5	Others	1,204,000	1,500,000
	Sub Total	55,673,000	36,290,000
	PURCHASE OF DURABLE GOODS		
09105	Transport	3,000,000	1,200,000
09106	Machinery & Equipment	2,000,000	2,000,000
09107	Furniture & Fixture	2,000,000	1,100,000
09170	Sports Material	1,000,000	450,000
	Sub Total	8,000,000	4,750,000

Revised Budget (Recurring) FY 2006-07

Code	Object Classification	Budget	Revised
		Estimates	Budget
		2006-07	2006-07
	PRE-INVESTMENT PROJECT ANALYSIS		
021-023	Feasibility Studies/Surveys etc	7,000,000	100,000
	Research		
	Sub Total	7,000,000	100,000
	REPAIR & MAINTENANCE OF DURABLE GOODS		
13100	Machinery & Equipment	500,000	800,000
13000	Transport	1,000,000	700,000
13200	Furniture & Fixture	500,000	100,000
13300	Building & Structures	3,000,000	4,500,000
13801	Gardens	1,000,000	700,000
13371	Others	500,000	250,000
	Sub Total	6,500,000	7,050,000
	TRANSPORTATION		
03805	TA/DA	5,000,000	4,500,000
03807	POL,Repair& Maintenance of Vehicles	4,000,000	3,000,000
03808	Conveyance Charges	500,000	350,000
	Sub Total	9,500,000	7,850,000
	COMMUNICATION		
03201	Postage & Telegrams/UMS/TCS etc	500,000	400,000
03202	Telephone/Fax	2,000,000	1,150,000
03270	Internet	2,000,000	2,300,000
03270-1	Others	500,000	20,000
	Sub Total	5,000,000	3,870,000
	UTILITIES		
03301	Gas	2,500,000	650,000
03303	Electricity	4,000,000	6,600,000
03901-02	Stationary and Printing	3,000,000	4,000,000
03905	News Paper/Periodicals/Books & Journals etc	1,500,000	450,000
03906	Uniforms & Liveries	500,000	400,000
	Sub Total	11,500,000	12,100,000

Revised Budget (Recurring) FY 2006-07

Code	Object Classification	Budget	Revised
		Estimates	Budget
		2006-07	2006-07
	RENT,ROYALTIES,RATES & TAXES		
03470	Rent for Student Hostel	531,000	600,000
03403	Rent for Residential Buildings	500,000	450,000
03101	Bank Charges	250,000	60,000
	Sub Total	1,281,000	1,110,000
	OTHER EXPENDITURE ON COMMODITIES & SERVICES		
03918	Fairs, Exhibitions etc	1,500,000	1,200,000
03907	Publicity & Advertisement	2,500,000	6,300,000
	Sub Total	4,000,000	7,500,000
	SCHOLARSHIPS,BONUSES & OTHER AWARDS		
06101-02	Scholarships &Stipends	1,500,000	1,700,000
03919	Remuneration to Part Time Teachers	1,500,000	3,000,000
06103	Cash Rewards for Meritorious Services/bonus/ Honoraia	1,500,000	1,600,000
	Sub Total	4,500,000	6,300,000
	MISCELLANEOUS EXPENDITURE		
03978	Preliminary expenses for new campus at HazarGanji	500,000	100,000
03903	Conferences/Seminars/Workshops/Symposia etc	1,000,000	1,700,000
03974	Conduct of Examination	500,000	100,000
03977	Student Hostel- Miscellaneous Expenses	500,000	370,000
03971	Contingencies	2,000,000	1,800,000
01277	Daily Wages/Contingent Staff	5,000,000	4,900,000
03976	Janitorial Services	1,000,000	500,000
A033	Entertainment	800,000	800,000
09401	Medical Reimbursement	200,000	200,000
03973	Sports/Students Activities	1,500,000	2,200,000
03979	Railway fee	400,000	310,000
03970	Audit fee & Misc:Audit expense	250,000	20,000
03972	Consumable Material for lab	3,000,000	1,200,000
03977-1	Miscellaneous Faculty Hostel Campus	250,000	50,000
	Sub Total	16,900,000	14,250,000
	Grand Total	181,005,000	142,170,000

Internal Audit



Mr. Doulat Khan has been assigned of conducting internal audit of BUISTEMS, as Resident Auditor. His services has been borrowed from Pakistan Audit Department on deputation. He is an experienced Auditor having SAS / PIPFA qualified from the Pakistan Audit Department and Pakistan Institute of Public Finance Accountants ((FPA). He has been assisted Mr. Irfan Jahangir Assistant Audit Officer from the regular strength of BUISTEMS. The Accounting and auditing system in BUISTEMS is strengthened manifold.

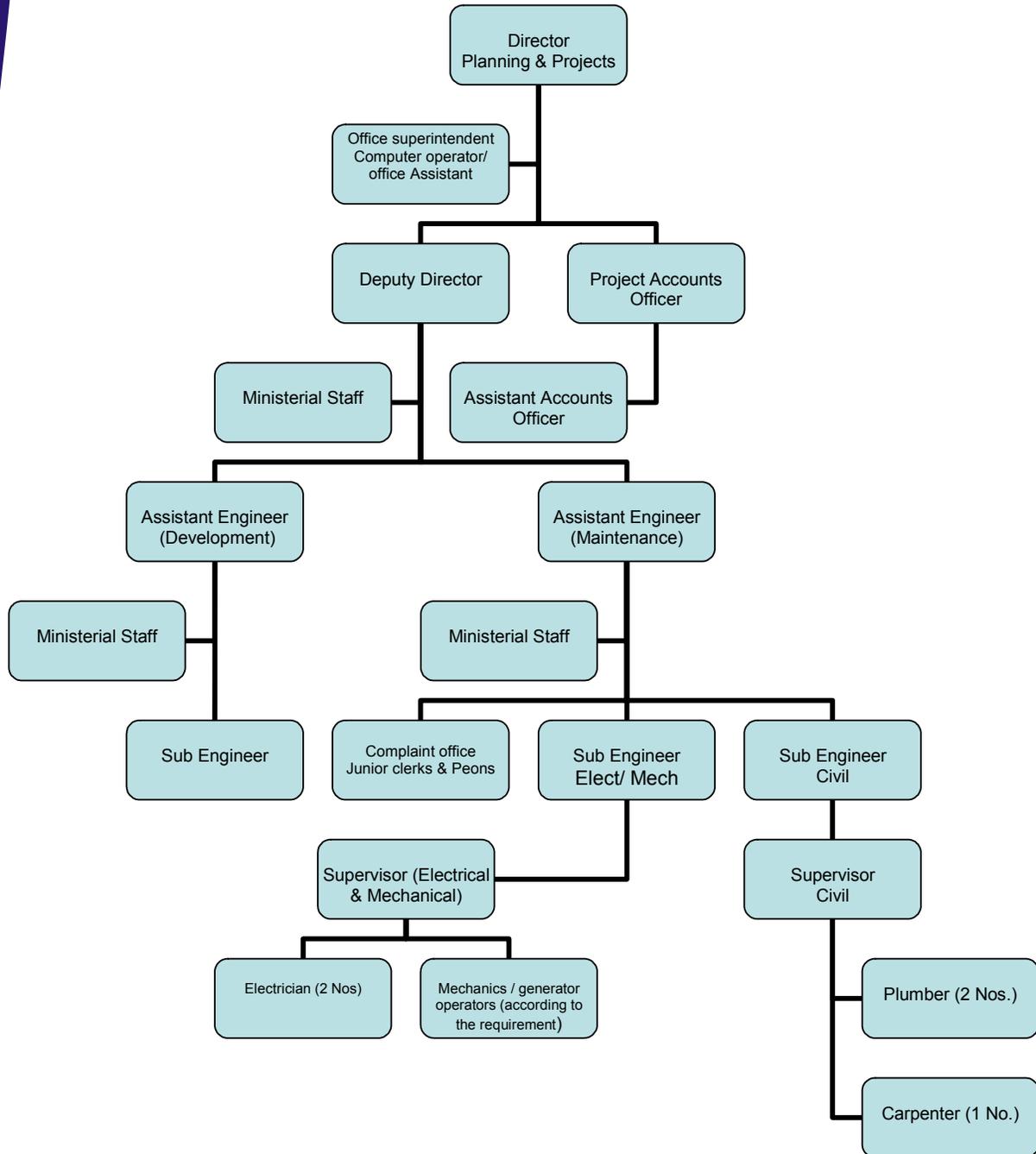
The accountability system in any organization is the backbone. The existence of Resident Auditor in BUISTEMS will have very bright and transparent effects on the accounting system which is a continuous process. Audit necessity in a dual role, firstly on behalf of executive to check the compliance by the subordinates with the rules orders issued by it in the discharge of responsibility to the legislation or other authority and secondly on behalf of legislature to secure the executive government.

The concept of Internal audit was introduced in the BUISTEMS under article 16 of Balochistan University of Information Technology, Engineering and Management Science (BUISTEMS) Ordinance 2002. in order to maintain the accuracy in the financial matters. The primary function of Audit is to verify the accuracy and completeness of accounts to ensure that all revenue and receipts collected are taken on books under the proper head that all expenditure and disbursements are authorized, vouched, and correctly classified, and that the final account represents a complete and true statement of the financial transactions. The Audit has to verify the implementation of financial rules and orders strictly under the provisions of the law and is otherwise free from audit object, and that these rules and orders are properly applied.

The audit section has the responsibility of pre audits of all payments with respect to the current, developments and Project funds in accordance with the existing Rules and procedures of BUISTEMS. The audit section was been established as an independent office directly working under the Vice Chancellor.

Development Projects

Organizational Chart



Directorate of Planning & Projects

Planning is the key to sustainable development of any organization. The Directorate of Planning & Projects was established with the object of bringing the university at par with top universities of the country. The Directorate of Planning & Projects comprises of two major sections i.e. *Maintenance and Projects*, and playing an important role in the development of university. In view of the importance of the directorate, the present management is focusing on strengthening this directorate.

Director: Engineer Muhammad Laique Tariq



He joined as Director Planning & Projects on 22nd September, 2007. He is a Civil Engineer by profession and with a Master's degree in Environmental Management & Policy. He has 13 years of professional experience in project management in various government and non government organizations.

Summary of the Projects being executed at BUTEMS, Quetta

S.No	Name of the Project	Project Cost (Rs in million)
1	Construction of Student Hostel and Residential Areas	144.737
2	Infrastructure and capacity enhancement at Jinnah Campus BUTEMS	62.834
3	Rehabilitation and Remodeling at Takatu campus	130.203
4	Establishment of Telecommunication Laboratory	18.829
5	Development and Capacity Building at BUTEMS	468.313
6	Establishment of central Engineering Laboratory	37.971
7	Construction of OAG Hall and P&G Laboratory	42.592
8	Construction of Pre Engineered Hall	22.81

Construction of Students Hostel and Residential Area



Objectives of the project

- * The hostel is designed to accommodate 300 students.
- * The Executive Block would accommodate Vice Chancellor secretariat and other important offices.
- * The construction of an underground water tank would provide water storage facility for the consumption of the 1000 users at the residential area and 2000 users at the campus area.
- * In the absence of basic facilities at Takatu Campus, this project is designed to provide basic infrastructure for efficient use of defunct Bolan Textile Mill building as university campus.

Following are the major components of the project

S.No	Component	Component Allocation Amount in millions	Expenditure incurred Amount in millions	Remarks
1	Student Hostel & Residential Area	109.731	49.8260	Construction works under this project included Student hostel and residential area, the work on these items almost got completed in 2007
2	Tube well (digging, casing, pipe, motor room construction etc.	2.500	1.0330	Digging completed
3	underground water tank/water pumping system	2.198	0.6980	These works are in process
4	Electrification (connection charges, street lights etc)	1.079	1.0780	Completed
5	Roads	4.600	0.7780	These works are in process
6	boundary wall, gates, reception room and miscellaneous expenses	1.500	0.2850	These works are in process
7	Student Hostel furniture and other accessories	6.254	0.521	Some of the facilities have been provided
8	Other Misc. Items	16.857	0.036	
Total		144.737	54.255	Revised PC-I is approved

Infrastructure and Capacity Enhancement at BUITEMS Jinnah Campus.

The project was being executed at the cost of Rs 35.150 million but has now been revised to Rs 62.834 million. The main objectives of the project are:

- * Creating an area of 25,281sq.ft to establish computer laboratories and raise the number offices for the faculty members and a departmental library at Jinnah Campus.
- * Through implementation of this project better facilities for learning and research would be available to students. Furthermore, an additional floor would be created to meet the needs of the increasing strength of students.

- * The project would cater to the basic educational and administrative infrastructure needs of the students and of faculty members, and envisage the establishment of a computer laboratory for strengthening the faculty of Management Sciences.

Following are the major components of the project

S.No	Items	Component Allocation Amount in millions	Expenditure incurred Amount in millions	Remarks
1	Civil/ External Sewerage/ Repair and Maintenance Works	31.732	21.723	Completed
2	External electrical connection	3.529	2.70	Electric connection is installed
3	Lab Development	6.600	4.910	75% Completed
4	Furniture & Fixture	5.199	3.70	70% Completed
5	Miscellaneous Development Works	11.274	8.60	76% Completed
6	Other Misc. Exp	4.500		
Total		62.834	41.633	Revised PC-I is approved

Rehabilitation and Remodeling of BUIITEMS TAKATU Campus



Objectives of the project

- * The project is designed to provide academic block covering 19250 sft, which will accommodate 3 faculties i.e. Faculty of Information and Communication Technology, Faculty of Engineering and the Faculty of Arts and Basic Sciences by adding 9 class rooms, and laboratories in the following fields:
 - * Computer laboratory
 - * Electronic laboratory

- * Digital Computer and Architectural laboratory
- * Telecommunication Laboratory
- * Library

This will be done by remodeling and retrofitting the industrial block.

Following are the major components of the project

S.No.	Component	Component Allocation Amount in millions	Expenditure incurred Amount in millions	Remarks
1	Rehabilitation / Retrofitting & Remodeling	61.551	34.165	This component including the construction of class rooms by converting old industrial building into academic block has been completed.
2	Equipment of petroleum & gas laboratories	30.915	35.509	Under this project equipment for different departments has been imported in order to facilitate the students by providing them the latest technologies.
3	Tube well	5.500	4.806	Installed
4	furniture and fixture/ furnishing	5.600	6.434	Furniture for class rooms and offices was purchased
5	Books, journals and information/ teaching tools for petroleum & gas engineering department	14.048	2.328	Books for library and different departments were purchased from the project
6	Other Misc. Items	12.589	12.028	Necessary targets achieved
Total		130.203	95.272	

Establishment of Telecommunication Laboratory

Detail of the component is as follows:

S. No.	Component	Component Allocation Amount in millions	Expenditure incurred Amount in millions	Achievements
1	Communication Lab Equipment	16.485	1.132	Construction of the hall completed
2	Furniture & Fixture	0.400	0.486	Work of the laboratory completed
3	Computer Equipments	0.580		Furniture purchased for the hall
4	Staff Requirements	0.514		
5	Books & Journals & Software etc.	0.850		
Total		42.592	1.618	

The **objective of the project** is to provide better learning environment and research facilities for students by establishing a modern Laboratory .

Development and Capacity Building at BUTEMS

Objectives of the project

- * To achieve self reliance in human resource development in Computer Engineering, Telecommunication Engineering, Networking, Electronics, Micro Electronics, Petroleum and Gas Engineering with high tech Information Technological tools.
- * To enhance the student strength keeping in view the vision 2020.
- * To increase the number of books in the respective field of studies to minimize the student book ratio.
- * To meet with the capacity building requirement of the university staff.

Under this project 28 faculty members of BUTEMS have proceeded abroad for MS and PhD in their relevant fields, and case of 14 more are in process. This will help BUTEMS in developing the knowledge and skills of the faculty members. Those faculty members would be able to serve BUTEMS in a better way by applying the knowledge gained and in this way overall quality level of the faculty would be improved.



Construction of Iqbal hostel and Main academic building is a major component. Iqbal hostel will accommodate 300 students coming from different parts of the country.

This project will help BUIITEMS to purchase equipment for different laboratories such as:

- * Engineering geology laboratory
- " Hydrology Laboratory
- * Environmental Geology laboratory
- * Geological Exploration tools
- * Semi conductor characteristics and testing laboratory
- * Printed circuit board laboratory
- * Microprocessor laboratory
- * Control and Instrumentation laboratory
- * Robotics and Automation laboratory

By purchasing equipment for the above mentioned laboratories the students will learn more through modern technology.

S. No.	Component	Component Allocation Amount in millions	Expenditure incurred Amount in millions	Achievements
1.	Faculty Development (40 Phds will be available at the end of 2010)	220.000	65.981	28 scholars are already sent to different foreign universities and their expenses are being incurred from this project
2.	Civil Work i) Iqbal hostel ii) 100,000 sft	151.929	63.283	Iqbal hostel is the part of this project and is completed now Main academic's building's construction has been started
3.	Laboratory Equipment	51.484	8.085	Lab equipment for different labs such as engineering and computer labs have been purchased.
4.	Furniture & Fixture/Furnishing	19.665	1.283	Furniture for class rooms was purchased during the year
5.	Books & Journals/ Transport Facility	10.500	4.515	Books for library and different departments were purchased from the project
6.	Other Misc. Items	14.735	12.008	
Total		468.313	155.155	

Establishment of Central Engineering Laboratory at TAKATU Campus BUIITEMS

This project will help in producing better qualified manpower for research and development organizations, universities, centers, colleges and industry in Pakistan. The National Education Policy 1998-2010 also gives high priority to strengthen education and research in various fields of basic and applied sciences. The project will cater to the needs of the Faculty of Engineering with provision of state of the art laboratory equipment needed to sharpen the engineering skills of the students.

Under this project laboratory equipment costing Rs. 37.971 million is to be procured for which tendering process has been initiated.

Construction of OAG Hall at BUTTEMS Takatu Campus

- * Owais Ahmed Ghani Hall was constructed by renovating the old hall of BTM with roof height of more than 20 feet. The mezzanine floor was designed to optimize the use of the hall.
- * To provide better educational and research facilities a main library with latest audio visual facilities installed therein, is being established
- * P&G Laboratory has been established in order to produce trained Engineers.



Following are the major components of the project

S. No.	Component	Component Allocation Amount in millions	Expenditure incurred Amount in millions	Achievements
1	OAG Hall	32.66	15.682	Construction of the hall completed
2	Petroleum and Gas Laboratory	2.079	2.079	Work of the laboratories completed
3	Furniture for OAG Hall	3.087		Furniture purchased for the hall
4	Other Misc. items	4.766	1.566	
Total		42.592	19.327	

Construction of Pre Engineered Hall at BUTTEMS Takatu Campus.

This project was designed to provide a platform to establish an exhibition Hall that could be utilized for multifarious purposes, like business exhibitions, competitions and provision of indoor sports facilities for the students

Details of the components are as follows:

S. No.	Component	Component Allocation Amount in millions	Expenditure incurred Amount in millions	Achievements
1	Expo Centre	17.018	20.576	Construction of the hall got completed and is now being utilized for different purposes
2	Car Parking	4.374		Car parking area completed and is being utilized
3	Consultancy Charges	1.418	1.391	
Total		22.810	21.967	



Major Events
and
Achievements

Convocation 2007

3rd BUIITEMS Convocation

The third convocation of Balochistan University of Information Technology, Engineering and Management Sciences was held on Wednesday December 5, 2007 with the impressive turnout of the graduating young men and women. More than 300 young men and women received their degrees from the Honorable Chancellor Engineer Owais Ahmed Ghani. It was a mega event in the annals of the university as well because the number of the participants and the guests exceeded all the previous records.



The convocation started with the playing of the national anthem while the entire congregation stood up in solemn respect. Engr. Ahmed Farooq Bazai, in his welcome address thanked the audience for their participation in the auspicious ceremony. He congratulated all the passing out graduates and their parents on the auspicious occasion.

He remarked, "*Ours is an era of the technology and technology is the systematic application of scientific and organized knowledge to practical tasks. There can be no two opinions that technology is the key to economic development and sociopolitical ascendancy. It can bring about an astonishing and rapid transformation of the entire material aspect of man's life. This change has begun to evolve. Like the industrial revolution, the technological revolution will affect and alter all areas of human life, transforming man's culture and values. The cognizance of this factuality is universal*"

Engineer Ahmed Farooq Bazai lauded the role of the Higher Education Commission and the Government of Balochistan in extending the scope and standard of higher education in the province.

The degrees of MS and BS in various disciplines were then conferred on the qualifying candidates as they were presented to the vice chancellor by the respective deans. The honorable chief guest distributed degrees among the passing out graduates.

The award of the degrees was followed by decorating sixteen outstanding graduates with gold medals. They had achieved distinction of



notching up top positions in their respective groups.

The honorable chief guest expressed his special delight at being given the opportunity of presiding over the 3rd consecutive convocation ceremony of BUIITEMS. He appreciated the fact that BUIITEMS had started yielding fruit in the form of well-groomed and well nurtured young minds, capable of shouldering future responsibilities. He said, "This institution can proudly claim that it has given a new direction, and a new vision and a new meaning to the traditional concept of education. This rapidly growing university has set revolutionary trends regarding the concept of learning and triggered the zeal for inquisitive research among the students.



The university offers commendable promise of quality education, evident from the fact that all her previous graduates and post graduates were adequately absorbed in the job market and some of the passing out graduates of today have been picked up by prestigious employers.

I expect the students to be prepared for accepting the challenge of the knowledge boom. Knowledge is infinite and inexhaustive and it offers inexhaustible and infinite scope of progress as well."

Qari Arshad Yameen solemnly led the gathering in offering "Dua" before the convocation was declared closed. The Daily Jang, Quetta and the Daily Balochistan Times Quetta brought out special supplements on December 5, 2007 highlighting the messages from various dignitaries and the salient features of the university.

Signing of M.O.U with Pakistan Science Foundation

Pakistan Science Foundation is committed to the task of establishing Science Centers in different parts of the country with the object of providing latest information and improving the quality of science education in Pakistan. The centers are meant to focus on the popularization of science among the students by giving vogue to comprehensive scientific research and creation of scientific thinking among the masses.



A memorandum of understanding (MOU) was signed between Balochistan University of Information Technology, Engineering and management Sciences and Pakistan Science Foundation on April 17, 2007 whereby the university provides a piece of land and scientific expertise for the establishment of a science center at Takatu Campus while the foundation accepted the responsibilities of building construction, electrification, furnishing and

equipment installation etc.

The establishment of the center would open un-trodden paths of scientific progress in the province.

Relief Initiatives for Flood Victims in Balochistan

Be it the tragic earthquake of 2005 or the ravishing floods, the students and staff of the Balochistan University of Information Technology, Engineering and Management Sciences rise to the occasion promptly and extend humanitarian relief aid to the affectees. The flood havoc in the Mekran coastal belt and its later onslaught in the Jaffarabad and Naseerabad districts in June 2007 necessitated the exhibition of humanitarian attitude. Relief desks were established for the collection of relief goods and assistance at both the campuses and a group of student volunteer aid workers was sent to the affected areas. The staff members donated their 2 days salaries as a gesture of fraternal kinship and a cheque amounting to Rs. 3, 02362/- was handed over to the Honorable Governor Balochistan by the vice-chancellor on behalf of the university staff on 04. 07. 2007. It was in addition to the relief goods and donations collected at the relief desks and sent to DCO, Panjgoor through the students group.

Visits

BUTEMS Students Visit State Bank of Pakistan

The students of MBA (Banking and Finance) of 4th semester visited the State Bank of Pakistan Quetta in January, 2007 to comprehend the prudential regulations of the central bank. Mr. Sajid Ali Shah Chief Manager briefed the students about prudential regulations. He was assisted by Mr. Waheed Ahmed Khan Currency Officer, Mr. Shahzaid Aziz and Muzafar Hussain. Students also discussed the types of loans_ development loan, investment loan, and the production loan. Students visited different



departments of the bank as well including the Administration Department, Accounts Department, Internal Audit Department, Engineering Department, Foreign Exchange Operations Department, Foreign Exchange Adjudication Department, Internal Bank Security Department and Medical Services provided at the bank. Finally they visited the library of the bank.

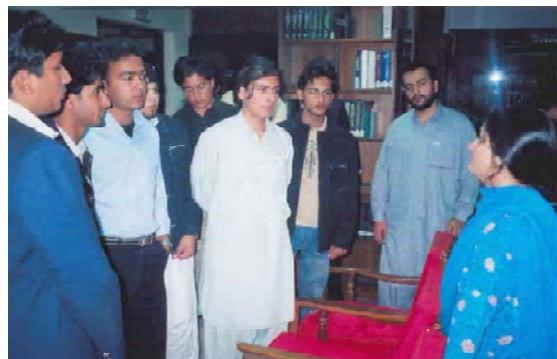
Visit of Students and Faculty to Geophysical Centre, Quetta

A group of 70 students of the departments of Electronic Engineering, Telecommunication Engineering and Computer Engineering visited the Geophysical Centre, Quetta on January 18, 2007 to gain practical exposure in Electromagnetism and Electromagnetic Theory.

The students were taken to the Seismic Section, Ozone measurement Section, Global Atmospheric Watch Station, Agro-Meteorological Observatory, High Resolution Picture Transmission and Forecasting Section. In-charges of various sections briefed the students on the operation of equipments like Automatic Weather Station, Dobson Spectrophotometer, World Wide Standard Seismograph Network and High Resolution Picture Transmission.

Visit to Hubco Power Plant and HEJ Centre

In January, 2007 the students of BS (Biotech) of 2nd semester visited Hubco power plant at Hub and HEJ centre at University of Karachi. On the first day of their visit, the students were briefed about the Hubco Power plant. This plant is the biggest power project in the private sector. It is a steam power station that cost about \$1.6 billion. It was completed in 1996. The power plant consists of four units each producing 323 MW power that leads to a total of 1292 MW. Net output is 1214.932 MW as input per unit is 19.267 MW.



Next day the students visited HEJ Centre of Bio chemistry at university of Karachi. Miss Shiba, Lecturer at the centre briefed them about the center. Students asked many questions about the laboratories, their queries were responded to by Miss Shiba. Director of the centre also addressed to the students. The most thrilling aspect of the trip was the three night stay in Buldia Rest House at Gadani Beach.

Study Visit of Karachi and Distt. Lasbela

A team of 40 students of BS (BA) left for Karachi on 6th March 2007 under the supervision of research associates Mr. Ali Kakar and Mr Aziz Ahmed.

The students visited following organizations: Thal Engineering, Pakistan State Oil (Head Office), Goethe Institute, LIEDA, Candyland Pvt Ltd, Marble City, Sana Textile Mills, LG, Gadani Ship Breaking Yard and Cadbury.



During these visits the students of BS (BA) analyzed the working environment of these organizations and studied that how the labor force is goaded with different motivational factors.

Visit of Dr. N.M Butt (Sitara-e-Imtiaz) to BUTEMS

On April 17, 2007, a delegation comprising Dr. N.M. Butt, Chairman of Pakistan Science Foundation, Dr. Shaheen Khan, Secretary and Dr. Subhan-ud-din (member) visited Balochistan University of Information Technology, Engineering and Management Sciences, for signing a Memorandum of Understanding (MOU) between the university and Pakistan Science Foundation.

The delegation was given a briefing on the establishment and development of the University from a dream into a reality. The chairman, Pakistan Science Foundation and his team also had the opportunity of observing the academic activities, at the Electronics Laboratory, Telecommunication Laboratory, VLSI Laboratory, CAD/CAM laboratory, Blue Chip laboratory and Engineering laboratories.

They showed keen interest in the state of the art equipment available at different laboratories and expressed satisfaction at the effective utilization of the equipment.



Zabool University Delegation visits BUTEMS

A delegation from Zabool University Islamic Republic of Iran visited BUTEMS on 19th of April, 2007. The delegation comprised Dr. Ahmad Ghanbari chancellor of Zabool University, Dr. Ali Shahraki Director International Affairs Zabool University, Dr. Ahmed Ali Kheirkhah deputy to the chancellor in research affairs, Mehrullah Rakhshani, and Dr. Nasrollah Basirani.

The delegation was given a briefing about the university, its different faculties and departments. Dr. M. A. K. Malghani, Prof Sultan Mehmood Niazi and senior faculty members accompanied the delegation for detailed visit of the City Campus. The delegation also had a conversation with the students in different classes. The delegation visited Takatu Campus as well where they observed academic activities in progress in the departments of Computer Science, Textile Engineering, Mechanical Engineering, Electronic Engineering and Chemical Engineering. Members of delegation showed keen interest in alternate energy resources during their visit of Center of Excellence in renewable Energy.



Visit by Iranian Government Educationists

A high level Iranian delegation led by Dr. Muhammad Jawad Yazdanpanah visited the Balochistan University of Information Technology, Engineering and Management Sciences, Quetta on June 8, 2007. Prof. Dr. Yazdanpanah is Director General, Graduate Affairs at the Iranian Ministry of Science, Technology and Research, with long standing experience as an educational expert. Other members of the delegation included Prof. Dr. Ahmed Momeni, representative of the Iranian Government in the sub-continent for higher education (also a professor at the Kirman University, Iran), Mr. Ali Aryan Nijad, Consul General of Iran, Mr. Muhammad Ali Roostai and Syed Hassan-uddin Muhajiri Executive Secretary from Iranian Consulate in Quetta.



Engineer Ahmed Farooq Bazai vice chancellor stressed upon the need for mutual cooperation for exchange of expertise and experiences. He said that education provides strength and vision to meet all the challenges and entails progress and prosperity. Developing countries should join hands together and make access to quality education easier for their people.

The delegation visited the classrooms, library and laboratories at City Campus and Takatu Campus and observed the academic activities going on in full swing at both the campuses. Prof. Dr. M. A. K. Malghani and deans of faculties briefed the honorable visitors on various aspects.

Visit to State Bank of Pakistan Quetta

Another group of students of BS (BA) 4th semester also visited State Bank of Pakistan Quetta on 18th July 2007. They were accompanied by Miss Sadaf Amjad, their course instructor for Money and Banking. The idea behind this visit was to introduce the students to the real world of expediency, organizational structure and operational units. Mr. Khalid Mehmmod senior officer of the bank briefed the students on the organizational structure of SBP and elaborated on the functions performed by the Quetta branch.



Visit of Renowned Poet Amjad Islam Amjad

It was a matter of honor and elation for the staff and students of BUIITEMS, that eminent and renowned poet Amjad Islam Amjad paid a visit to their institution in September, 2007. On his arrival, he was warmly welcomed by the office bearers of the Literary Society and ushered to the office of the vice chancellor where he was given a brief introduction about the history of the university and the programs offered.



Mr. Amjad Islam Amjad, addressing the students and the staff, expressed his pleasure on being in the company of young people. He expressed his firm belief that the damaging effect of too much dependence on Technology could be neutralized by the healthy pursuit of poetry. On the request of the audience, he recited a few of his poems, which were warmly applauded by the audience.

Iranian Qaris Enthrall the Audience

It was the second time in a period of two years, that a team of Iranian Qaris visited the BUIITEMS and demonstrated their skill of reciting verses from the Holy Quran.

The delegation was led by Dr. Ahmed Miryan, Managing Director of ANNTV. Other members of the delegation were Majeed Ahangar Public Relations Officer Local Government, Syed Mir Mohammed Shafi (Judge), Syed Mohammed Kazim Qasmi and Hafiz Ameen Ameen. They were accompanied by the representatives



from the Iranian Consulate General in Quetta. The vice chancellor greeted the delegation and expressed his gratitude for their visit to the university. He said that Pakistan and Iran share common historical heritage and have ever since been close aides for each other.

A large number of students and faculty members attended this august gathering in Oct, 2007. The group presented the Asma-Al-Husna with such a devotion and voice control that the hearts of the listeners were spiritually warmed. The members of the delegation then took turns to recite verses from the Holy Quran and spell-bound the audience with their captivating enunciation.

German Ambassador Visits BUIITEMS

His Excellency, Dr. Gunter Mulack, German Ambassador to Pakistan honored BUIITEMS with his visit on October 25, 2007. His address to the faculty members contained a thought provoking review of the Religio political situation of the region. Dr. Gunter Mulack is a renowned scholar and an authority on International Law. His special interest in Theology brought him in close contact with the Muslim world. He has emerged as an advocate of dialogue among civilizations especially with the Islamic world.

Honorable Vice Chancellor, Engr. Ahmad Farooq Bazai expressed his gratitude to His Excellency the ambassador for visiting the University. He explained that Balochistan University of Information Technology, Engineering and Management Sciences has the distinction of being the first public sector IT University in the Province.



Dr. Mulack asserted that the basic function of the universities is to generate new knowledge. New ideas produced at the universities open the way for advancement. According to him the greatest challenge for Pakistan is to provide educational facilities for her youth. Education is not restricted to academic achievements alone but is aimed at social upbringing as well.

See All Pakistan Youth Camp

"See All Pakistan Youth Camp" was organized on December 27-31, 2007 at Lahore by the Ministry of Youth affairs, Government of Pakistan. Five students of BUIITEMS participated in this camp.



Their names are: Mohammad Talha of P&G Department; Faizan Hassan of Management sciences Department; Nasarullah Khan of Economics Department; Misri Khan of Social Sciences Department and Mohammad Ibrahim of Biotechnology and Informatics Department. Participants visited Lahore Museum, Sundar Industrial Estate and Packages Limited. They also participated in indoor activities like seminar, declamation contest and mushaira.

Workshops

Workshop on Solar Energy

This two days workshop was organized by the Alternative Energy Development Board in collaboration with UNESCO and GTZ on January 18-19, 2007 at Takatu Campus.

Presentations were made by Mr. Qamaruddin, Maj. Shahid of Trillium, Mr. Adnan of Akhter Solar and Engr. Imran Ahmed regional in-charge of Alternative Energy Development Board.

Mr Mumtaz Khan, Secretary Manpower and Labour, Government of Balochistan was the chief guest at this occasion. Mr. Abdul Hafeez Abro, Principal TTC, Kotri, presented the results and outcomes of the workshop.



Workshop on "Science Awareness through Mass Media"

This workshop was a joint effort of BUITEMS and Pakistan Science Foundation for promotion of science through electronic and print media.

There were two sessions on each day. The first session on first June was chaired by Dr. N. M. Butt Chairman Pakistan Science Foundation. Prof. Shameem Akhtar and Prof. Dr. Masoom Yaseenzai were the speakers for this session. Prof. Shameem Akhtar gave a detailed lecture

on "*Science Awareness for Peace*". Professor Dr. Masoom Yaseenzai in his lecture on "*Public awareness of Science and Technology*" observed that India has invested millions in dubbing the programs of National Geographic channel in Hindi for the young children and rural masses.

Prof. Sohail gave detailed information on the present status of media in general. Dr. Shakeel urged that the results of scientific research should be effectively utilized by the end users. Mr. Dur Mohammad Kasi was the third speaker of the workshop. He pointed out the significance of the propagation of the scientific knowledge through documentaries. Dr. Hafiz Khush Naseeb, Nuclear physician CENAR, gave detailed information on the services of CENAR with respect to cancer.

First session on second day was chaired by Mr. Dur Muhammad Kasi. Mr. Sajjad Ahmed was the speaker. He traced back the history of films and TV programs based on science fiction. The last session was a round table discussion on "*Strategies for Popularizing Science through Media*"



Engr. Ahmed Farooq Bazai, Vice Chancellor BUIITEMS, lauded the efforts of PSF and PASTIC and assured that BUIITEMS will play a dynamic role in promotion of science in collaboration with PSF and PASTIC.

Training Workshop on "Environmental Issues and Pollution Control"

The Quetta Chapter of the Pakistan Engineering Council and the Balochistan University of Information Technology, Engineering & Management Sciences, Quetta jointly organized a seminar on "*Environmental Issues and Pollution Control*" on June 26-27, 2007 in the auditorium of the City Campus. Engineer Ahmed Farooq Bazai, Vice Chancellor, BUIITEMS was the chief guest. Inaugurating the opening session, he stressed upon the need of enhancing awareness about environmental issues among the people at large and especially among the engineers who are responsible for implementing development projects and industrial installations.



Dr. Irfan Aslam and Dr. M. Anwar Baig from the Institute of Environmental Sciences & Engineering were the resource persons. Dr. Irfan Aslam conducted the first technical session on the Fundamental Concepts in Environmental Engineering. Dr. M. Anwar Baig presented an overview of the environmental problems in Pakistan. Dr. Irfan Aslam delivered his second lecture on Water Quality Issues in Pakistan.

On the second day, Dr. M. Anwar Baig elaborated the features related to Air-Pollution, Air Pollutants, Air-Pollution Meteorology and Control. The last two sessions were allocated to Dr. Irfan Aslam who presented his expert description of Waste Water, stressing upon the Fundamentals of Treatment System Design, and the exposition of Solid Waste Hazards.

Workshop on Advanced Nursery Practices

A workshop on advanced nursery practices on grapes was held in the University auditorium on October 30, 2007 under the patronage of SMEDA Balochistan. The workshop was especially arranged to inform the farmers, private sector stakeholders and students of biotechnology about the practices employed in advanced countries.



The workshop was attended by progressive farmers, horticulture, entrepreneurs from the agri-business, students and faculty of biotechnology. Mr. Salvearias presented a synopsis of his work performed in California USA on different aspects of nursery propagation practices applied there. He also suggested advanced techniques for farmers in Balochistan.

Co-Curricular Activities

India Pakistan Drama Festival

The BUIITEMS Dramatic Club participated in India Pakistan Drama Festival at Bukhari Auditorium of Govt. College University Lahore on March 18-20, 2007. Following universities and colleges of the two neighboring countries participated in the festival: Bahaddin Zakariya University Multan, Fatima Jinnah Women University Rawalpindi, Shri Ram College University Delhi, Punjab University, Kamla Nehru College Delhi, Govt. College University Lahore, Indus Valley School Karachi, BUIITEMS Quetta and Ghulam Ishaque Khan Institute Topi.



BUIITEMS Dramatic Club presented the play "*Udas Ghar*" based on problems of unemployment with special focus on the situation prevailing in Balochistan.

All Pakistan Inter University Allama Iqbal Shield

Provincial phase of All Pakistan Inter University Allama Iqbal Shield Extempore Speech Contest was held on March 29, 2007 in the Auditorium of City Campus. All the universities functioning in Balochistan were invited to participate in the contest. The contest was divided into two segments i.e. English Extempore speeches and Urdu Extempore speeches.

The jury declared Mr. Najeebullah from BUIITEMS the best speaker in English, while the second position was notched up by Ms. Roya Farooq from Iqra University.

Mr. Faizan Hassan and Mr. Nasrullah Kakar from BUIITEMS secured the first and second positions in the category of Urdu speeches.

Mehfil-e-Milad-un Nabi (PBUH)

Eid Milad-e-Nabi (SAWW) was celebrated with great zeal and religious & Spiritual enthusiasm in Balochistan University of Information Technology, Engineering & Management Sciences as well in order to get some share of blessings of the sacred month of Rabi-ul-Awal.

All the female faculty members were also present and appreciated the efforts of the team for providing them a source of spiritual exhilaration.

Husne Qiraat and Naat Competition

Husne Qiraat and Naat Competitions were held in the Expo Center of Takatu Campus on Friday April 06, 2007. BUITEMS has been organizing these events regularly since its inception. Both the competitions were so inspiring that the audience eagerly waited for the judgment. Hafiz Jawad BS (Petroleum & Gas), Saad Ullah BS (Petroleum & Gas) and Mehdi Ali Khan MBA won the first, second and third positions in Qiraat Competition. The top three Positions in the Naat Competition went to (in order of position) Awais Javaid BS (BA), Mehdi Ali Khan MBA, Sohail Majeed BS (BA).



Funfair of Dramatic Club



A Funfair was organized by Dramatic Club of BUITEMS at City Campus. Dr. M. A. K Malghani-acting Vice Chancellor-inaugurated the Funfair as chief guest. He visited all the stalls and appreciated the efforts of organizers. There were twenty four stalls in all including Food Stall, Music Stall, Flower Dedication Stall, Computerized Palmistry Stall, Lucky 7, Tambola, Bangles and Mehndi Stall. The visitors enjoyed the delicious food, melody of music and expertise of the palmist. The funfair ended at 6 pm.

Sixth Drama Festival 2007

Slogan for Drama Festival 2007 was "*Entertainment for Purpose*". This festival took place on 14th of July 2007 at 5 p. m. in the Children's Academy Quetta. Engineer Ahmad Farooq Bazai, the Vice Chancellor of BUITEMS was the chief guest. Four plays were performed, two comedies, one serious play and one special play on the theme of flood victims. One minute silence was observed in the beginning, in the memories of those who lost their lives in the floods.

The first presentation "*Amar Bai*" was based on the novel by Bano Qudsia. The second presentation was a comedy play "*Aik Kahani nai Purani*" based on love story of Anar kali and the prince Saleem with the touch of modern era. The 3rd play "*Jhoom brabar Jhoom*" was again a comedy. The heart touching story of last play "*Kia Ham aik hain*" was about a flood victim family.



Inter-University Technical Presentation Competition, Faisalabad

Saad Karim and Qaiser Amir of BS (Textile Engineering) 7th semester participated in the Inter-University Technical Presentation Competition held on 14th November 2007 at the National Textile University, Faisalabad. Their topic of presentation was "Vortex Spinning". Renowned figures from industry and institutions attended the event. BUIITEMS secured 2nd position for excellent performance by Saad Karim and Qaiser Amir in the Question /Answer session.



Conferences

4th International Conference on Information & Communication Technology, Cairo

A delegation from the BUIITEMS visited Cairo, Egypt from 10th December, 2006 to 14th December, 2006 in order to participate in 4th ITI International Conference on Information & Communication Technology. Three papers were presented in the conference in different sessions by Dr. Mohammad Abbas Choudhary and Mr. Imran Siddique.

1st International Conference on Assessing Quality in Higher Education

Dr Shaukat Iqbal, Associate professor Faculty of Biotechnology and Informatics presented his paper orally in 3-day International Conference organized by the Institute of Quality & Technology Management, University of the Punjab, Lahore in collaboration with HEC, UNESCO, Asia Pacific Quality Network and University of Management & Technology Lahore. Academician from more than 20 countries of the world participated in this conference.



3rd International Conference on 21st Century

Mathematics -2007

School of Mathematical Sciences, Government College University Lahore is running an extensive research programme under the supervision of foreign faculty members. SMS also hold annual international conferences in Mathematics. In 2007 the "3rd International Conference on 21st Century Mathematics" was organized on March 4-7. Prof. Dr. Mohammad Nawaz and Prof. Dr. Ansaruddin Syed represented BUIITEMS at the conference. Both professors presented their research work in the conference and also presided over the academic sessions.

Pakistan Developer Conference 2007

Microsoft organized this two-day conference on June 19-20, 2007 in Karachi. Seven students from BUIITEMS attended this conference which comprised of 50 sessions on various technologies including Microsoft Windows Vista, 2007 Microsoft Office System, Visual Studio Team System and Microsoft Silverlight Frameworks. These sessions were conducted by 30 experts from Microsoft.

Young Leaders Conference 2007

Faizan Hassan, Usman Mir, Muhammad Irfan, Ahmed jan, Masood Ahmed and Bilal Qadir students of BUIITEMS attended the Young Leaders Conference at Pearl Continental Hotel Lahore and Chand Bagh Foundation Shaikhupura. The conference was sponsored by Ufone, FBM, Bank Alfalah, PTCL, Nestle, Nokia, Cyber net, HUBCO and Swiss International Airlines.

International Petroleum Technology Conference (IPTC)

Mr. Manzoor Ali Brohi, lecturer faculty of Management Sciences presented his paper titled "Social Responsibilities and Challenges Confronting the Oil Industry" at International Petroleum Technology Conference (IPTC) at Dubai World Trade Centre (DWTC) Dubai, UAE Scheduled 4-6 December 2007. Society of Petroleum Engineers (SPE), European Association of Geoscientist and Engineers (EAGE) and Society of Exploration and Geophysicists (SEG) jointly sponsored the 3 day conference. The IPTC was held under the patronage of His Highness Sheikh Mohammed Bin Rashid Al Maktoum, UAE Vice President, Prime Minister and Ruler of Dubai.

Lectures by Guest Speakers

Agriculture Credit and its Importance

A session on "*Agriculture Credit and its Importance*" was organized by the Department of Economics, Faculty of Management Sciences. Mr. Faiz Mohammad Khan, Director Zarai Taraqiati Bank Limited, Quetta zone was the resource person. He briefly described the status of agriculture sector in Balochistan and pointed out serious problems faced by agriculture sector including the shortage of irrigation water due to drought, excessive water mining, lack of know-how about modern practices and shortage of capital.

Seminar on Risk Management in Stock Markets

Mr. Khalid Waheed of HUM Securities Limited addressed to the members of Faculty of Management Sciences and the students in the auditorium of City Campus on May 4, 2007. The topic of the seminar was "*Risk Management in Stock Markets*." He described the current position of Karachi Stock Exchange and discussed the risk management strategies in stock business. He introduced his company which is registered with the Securities and Exchange Commission of Pakistan and was incorporated as a Limited Company in May 2001.

Lecture by Prof. Dr. Altaf Ali G. Sheikh



In collaboration with HEC, the Balochistan University of Information Technology Engineering and Management Sciences arranged a special session by Dr. Altaf Ali G. Sheikh, Director General Research and Development.

Prof. Dr. Altaf Ali G. Sheikh identified three key areas of importance which had been neglected in the past namely, access, quality and relevance. HEC aims at faculty development, improving access to learning, excellence in research and relevance to the national priorities. These in turn will support the infrastructure development, better governance and quality assurance.

He said that the National Research Program for Universities, which was initially designed for the faculty members of the public sector universities, has now been extended to nine private sector universities as well. The applications are accepted throughout the year and the decision for award is based upon report of peer review.



Lecture by a Prominent Chinese Scholar

The students and the faculty members of the Balochistan University of Information Technology Engineering and Management Sciences had the privilege of listening to an eminent Chinese scholar Mr. Zhou Roug.

Mr. Zhou Roug based his lecture on the deep and time-tested cordial

relations between the two brotherly countries. He emphasized the need for strengthening of trade and technological ties for mutual benefit and prosperity. He remarked that there was heavy trade imbalance in favour of China and Pakistan needed to improve the quality of her products in order to counter such trend.

Mr. Zhou Roug spoke about the contribution made by China in the construction of the Gawadar Deep Sea Port. The copper and gold project at Saindak already stands as a testimony of cooperation between two countries.

He appreciated the establishment of a quality educational institution in Balochistan, in the form of BUIITEMS, where he found impressive learning atmosphere and highly qualified faculty.

Seminars

International Day on Poverty Eradication

A one-day seminar was held on the occasion of International Day on Poverty Eradication. Engr. Ahmed Farooq Bazai, vice chancellor BUIITEMS, Syed Muhammad Abu Akif Project Director Balochistan Resource Management Program and Prof. Shameem Akhtar, Dean Faculty of Management Sciences expressed their views.

Engineer Ahmed Farooq Bazai said that the poverty is a major cause of conflict and social unrest nowadays and generosity of mind and soul is needed for resolution of this problem. A social approach of sharing has to be developed. He added that there are tremendous opportunities in Balochistan which can be exploited for the larger good of the people. He said that the gap between rich and poor has to be minimized and the Islamic values to be adopted in daily life for eradication of poverty.

Syed Muhammad Abu Akif said that the professional beggary should be discouraged while the poor should be assisted properly. Prof. Shameem Akhtar said that the poverty is not God-made, it is man-made and man can eradicate it.

Seminar on 'The Religious and Political Movement in the light of Present Time'

The students of BUIITEMS participated in a seminar on "The Religious and Political Movement in the light of Present Time" held at Quetta Serena Hotel on April 30, 2007. The speakers included very high profile religious and political scholars including Qazi Hafiz Hussan Ahmed, Malik Zahoor Ahmed Shahwani, Mir Kuchkol Ali Advocate, Allama Yaqub Tavasali, Senator Abdur Rahim Mandokhail, and a galaxy of other speakers.

The speakers mostly put emphasis on the current problems faced by the human beings all over the world as we are being driven away from our human values. Humanity is getting into a dilemma. Human are becoming ridiculous, senseless and vain just because of their own selfishness and greed. The speakers shed light on the causes and suggested solution for the remedy of the prevailing ills.

One-Day Training Seminar on: "Leadership in the Era of Globalization"

The students of 5th semester of MBA organized one-day seminar on "Leadership in the Era of Globalization". Dr. Shahida Sajjad, Professor of Special Education, University of Karachi was the resource person. Engineer Ahmed Farooq Bazai vice chancellor BUIITEMS was the chief guest for the inaugural session. Mrs. Surraiya Alladin (TI) was the guest of honor and Prof. Dr. Rasool Bakhsh Raisani pro-vice-chancellor University of Balochistan was the guest speaker.

The topics covered in the training included leadership, motivation, decision-making, emotional

intelligence and communication. The vice chancellor BUISTEMS appreciated the efforts made by the students. He emphasized the importance of emotional intelligence in organizations and shared his personal experiences with the audience.



Activism to Eliminate Violence against Women

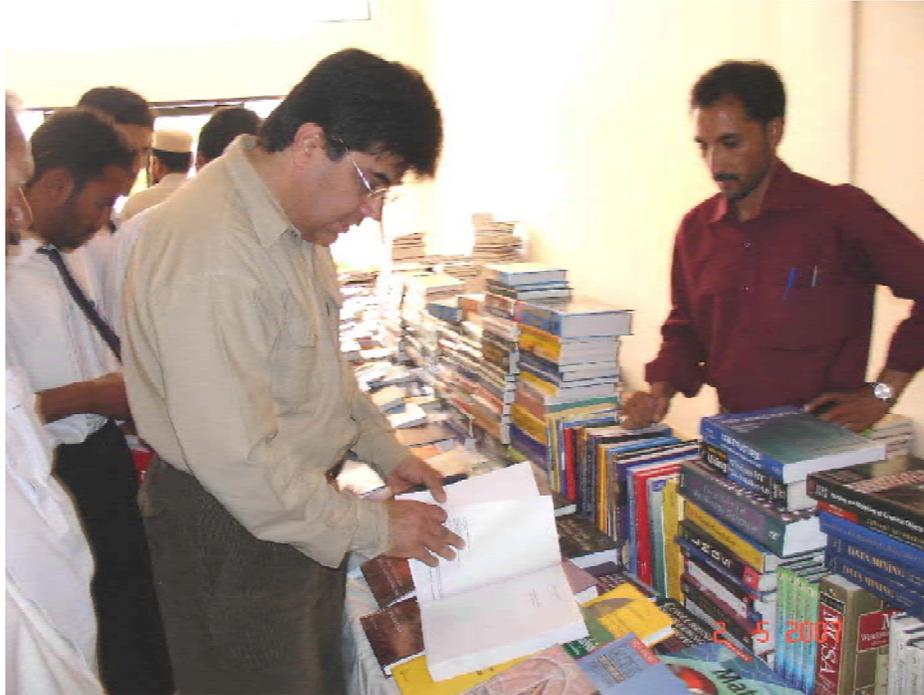
A seminar was conducted on 29th November 2007 at Balochistan University of Information Technology, Engineering & Management Sciences in collaboration with UNHCR. The objectives were to create awareness about human rights and to assess the cognizance among students on the subject.

Mr. John Solecki from UNHCR declared the seminar open, Prof. Dr. M.A.K. Malghani briefed the audience on the aims and objectives of the seminar. Other speakers were Mr. Ammar Hyedar (ILAS), Ms. Mahwash Ayub, Ms. Lynda Lim UNHCR, Mr. Naseem Achakzai from University of Balochistan and students of BUISTEMS.



Book Exhibition

A Book Exhibition was inaugurated by the vice chancellor Engr. Ahmed Farooq Bazai on May 2, 2007 at Takatu Campus. The deans, the chairpersons and the faculty members selected books for their respective faculties and departments. Later, the exhibition was shifted to the City Campus for one day.



Summer Camp 2007

The Department of Mathematics organized Summer Camp for the students of Faculty of Information and Communication Technology. The Department invited applications from the students who desired to benefit from the Summer Camp. These applications were carefully analyzed and following subjects were offered for the Summer Camp.

- * Numerical Methods
- * Linear Algebra
- * Differential Equations.

Duration for summer camp was determined as from 18th August 2007 to 23rd September 2007. Following faculty members taught these courses.

- * Mr. Nadeem Raza
- * Mr. Sardar Mohammad (visiting)
- * Mr. Malik Hafeezullah

Mid-semester exam was conducted after 15 sessions and the final exam was conducted at the end of September 2007.

Sports Events

Sports and games are as important in nurturing the physical and intellectual capabilities of students as the academic activities. BUIITEMS is endeavoring to provide the best available facilities for the physical development and promotion of sports on the campuses.



The BUIITEMS players and athletes made remarkable display of their capabilities in various events in 2007. The players of various sports teams of BUIITEMS participated in different tournaments at the provincial and national levels and achieved distinctive positions.

Basketball Championship

Balochistan University of information Technology Engineering and Management Sciences hosted the all Pakistan Zonal Basketball championship at the Balochistan Sports Complex Ayub Stadium Quetta in March, 2007. Six teams were in the field vying for the top honors. BUIITEMS had the honor of reaching the finals and clinched the runners-up trophy, while Sindh University Jamshoro got the top position.



Boxing Championship

BUIEMS boxers participated in the all Pakistan Zonal Boxing Championship held at Sindh University Jamshoro on Jan 25-26, 2007. Mr. Najeebullah BS(Eco) got 2nd position (Silver Medal) in the 50kg category, Mr. Zahoor Ahmed BS(CE) got bronze medal in 60 kg and Mr. Rahim Khan BS(EE) got bronze medal in 80 kg categories.

Rifle Shooting Championship

Marksmen from BUIEMS took part in the final round of the all Pakistan Inter University Rifle Shooting Championship organized by the Agricultural University Faisalabad under the aegis of HEC on January 26-27, 2007. Mr. Naseebullah Bazai BS(Eco) got first position in rifle and Mr. Shafique Ahmed (MBA final) got second position in pistol. Overall the BUIEMS stood second.

Weightlifting Championship

Weightlifting championship was organized by the Central Punjab University as an event of All Pakistan Inter-Universities Sports on Jan 12-13, 2007. Thirty universities took part in the championship from all over Pakistan. BUIEMS weight-lifter Mr. Muhammad Mehdi BS(CE) won bronze medal in 94 kilos category whereas Mr. Zahoor Ahmed BS(CE) clinched 2nd position in 80 kilos category and brought home a silver medal.

Volleyball Zonal Tournament

A 10 member volleyball team from BUIEMS participated in the Inter University Volleyball Zonal Tournament held at Quaid-e-Awam University of Engineering Science and Technology Nawabshah on Jan 20, 2007. The team won third position among six universities. The team was skippered by Izhhar-ul-Haq while Mr. Masood Khan, Sports Officer performed the duties of the manager.

Table Tennis

Three female players of BUIEMS, Ms. Safia, Ms. Beenish and Ms. Basma were selected for inclusion in the HEC Table Tennis team for participation in the 30th National Games scheduled on April 09-14, 2007 at Karachi.



Cricket Championship

BUIEMS organized Inter University Cricket championship zone G. This zone included six universities from the provinces of Sindh and Balochistan. The tournament was held from March 25-27, 2007 at three cricket grounds of Quetta. Mr. Aamir Durrani MBA 5th semester was captain of the team. BUIEMS got first position in the zone.

Zonal Inter Universities Hockey Championship

A 16 member hockey team of BUIITEMS participated in the 2nd Inter University Hockey Championship held at Agricultural University, Tandojam on October 18-25, 2007. Teams from six universities took part in this zonal context. BUIITEMS team got 3rd position in this context.

Sports Gala 2007 (June 25-29)

Balochistan University of Information Technology Engineering and Management sciences was entrusted with the task of managing the Sports Gala, 2007 by the HEC.

Following participated in 8 events.

- * Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS), Quetta.
- * University of Balochistan (UOB), Quetta.
- * Sardar Bahadur Khan Women University (SBKWU), Quetta.
- * Balochistan University of Engineering and Technology (BUET), Khuzdar
- * Iqra University, Quetta.

The inauguration ceremony was held in the Auditorium of Pakistan Sports Board on June 25, 2007. Brig. (R) Agha Ahmed Gul, vice chancellor university of Balochistan was the chief guest. Other dignitaries present at the occasion included Engineer Ahmed Farooq Bazai vice chancellor BUIITEMS and Mr. Talat Khursheed Director General Sports, Higher Education Commission.



Performance of BUIITEMS teams is reflected in the following table:

Event	Men	Women
Tug of War	<ul style="list-style-type: none"> • Winners (BUIITEMS) • Runners up (UOB) 	<ul style="list-style-type: none"> • Winners (UOB) • Runners up (BUIITEMS)
Table Tennis	<ul style="list-style-type: none"> • Winners (UOB) • Runners up (BUIITEMS) 	<ul style="list-style-type: none"> • Winners (BUIITEMS) • Runners up (SBKWU)
Badminton	<ul style="list-style-type: none"> • Winners (UOB) • Runners up (BUIITEMS) 	<ul style="list-style-type: none"> • Winners (BUIITEMS) • Runners up (SBKWU)
Basket Ball	<ul style="list-style-type: none"> • Winners (BUIITEMS) • Runners up (BUET) 	
Foot Ball	<ul style="list-style-type: none"> • Winners (UOB) • Runners up (BUIITEMS) 	

Publications

News Letter

Regular publication of the News Letter Balochistan University of Information Technology, Engineering & Management Sciences is a distinctive feature of the institution.

The News Letter projects updated information and news regarding important and activities taking place in the

academic circles of the University. It includes permanent features like current happening and profiles of faculties and administration. The language of the publication is English. The BUITEMS News Letter is an effective medium of imparting information to the students' community and all the major organizations concerned with the academic affairs in the country. This paper is very popular in all circles and serves as a chronicle record of the developments taking place in all spheres of the University life.

The publication of the News Letter commenced in August 2003 and has been a regular feature without disruption.

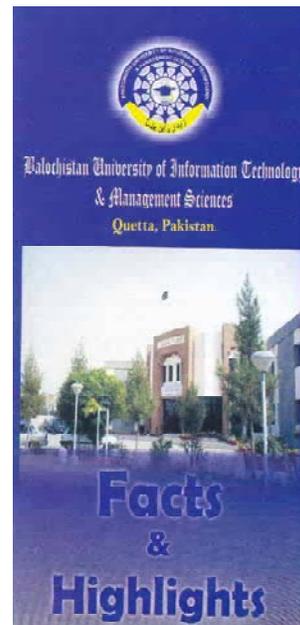
BUITEMS Facts & Highlights (Brochure)

An introductory brochure of the Balochistan University of Information Technology, Engineering and Management Sciences, depicting the brief history of the establishment of the University is available with update information about the salient features of the University Campuses, Programs of study, facilities, specific laboratories particulars,



of the events taking place in administrative, curricular and sports University. It editorials, articles, the new additions in different

BUITEMS News Letter is published



Co-curricular and sports activities etc. This Brochure is updated on annual basis and provides a brief insight into the functions and scope of academic prospects.

The University Prospectus

The University prospectus provides detailed information about the various faculties of the university covering all aspects of the physical infra-structure, academic programs, courses of study, rules and regulations, procedural systems, teaching faculty profiles, laboratories, libraries, project requirements, research and academic approaches and guidelines as well as co-curricular activities and sports and games incentives etc. since the University has expanded its scope of functions, each faculty has prepared its own prospectus, for the benefit of students desirous of pursuing studies and particular disciplines. These prospectuses are in the final stages of preparation and publication and would shortly be available for the guidance of students with particular aptitudes.



Research

Journal Publications

Khattak, M. N., Haq, M., Khan, A., & Cheema, A. M.

Prevalence of endemic giiter and urinary iodine contents in the population of Lawaghar and chontra areas of district Karak. (NWFP, Pakistan.) Pakistan Journal of Scientific Research, 58; 1-4 (2006).

Jaspal, S.A., Zia-ur-Rehman S. & Cheema, A. M.

Morphometric studies of gonodotrophs of male and female camels (camelus dromedaries). Pakistan Veterinary Journal, in press.

Nawaz, M.

Quasi-symmetric B-categories, Demonstration Mathematica, Journal of Warsaw University, Volume 40 No. 3 PP 517-527(2007)

Salam, A.

A comparative study of cost of production and decision analysis of onion and sunflower crop in Quetta District, (2007) Sarhad Journal of Agriculture NWFP Agric. University Peshawar- Pakistan (Accepted for publication)

Mushtaq, S., M. Hafeez and S. M. Khair

Determination of optimal input usage into the wheat production for kareze irrigation in Balochsitan, Pakistan, Asian Journal of Plant Sciences, Faisalabad. Vol.6 (5): 809-814 (2007)

Conference Presentations

Khan A. H. (with Masoom M.)

Molecular approach for Leishmania detection, 6th International Biennial Conference of Microbiology Quaid-i-Azam University, Islamabad, March 18-21, 2007

Naseebullah

Mutational analysis of a Pakistani family with Canavan disease, 4th International Conference on Biotechnology, Bioengineering and Biophysics, University of Sindh, Jamshoro, November 4-8, 2007.

Nawaz M.

Right Gelfand Quantaes and Quantaloids, 3rd International Conference on 21st Century Mathematics, School of Mathematical Sciences GCU Lahore March 4-7, 2007

Ansaruddin Syed

Some Remarks on Difference in Behaviour of Rotation, 3rd International Conference on 21st Century Mathematics, School of Mathematical Sciences GCU Lahore March 4-7, 2007

Jan Mohammad

"Can E-Commerce and use of ICT's help rural women of Balochistan to Fight Poverty?" 4th International Workshop on Frontiers of Information Technology, COMSAT in collaboration with HEC & PTCL, Marriot Hotel Islamabad, December 20-21, 2006

Imran Sarwar Bajwa, Imran Siddique, & M. Abbas Ch.

Automatic Functional Brain MR Image Segmentation Using Region Growing and Seed Pixel, 4th International Conference on Information & Communication Technology, Cairo, December 10-14, 2006

Imran Sarwar Bajwa, Imran Siddique & M. Abbas Ch.

Web Layout Mining (WLM): A New Paradigm for Intelligent Web Layout Design 4th International Conference on Information & Communication Technology, Cairo, December 10-14, 2006

Imran Sarwar Bajwa, Imran Siddique, M. Abbas Ch.

Automatic Domain Specific Terminology Extraction Using a Decision Support System 4th International Conference on Information & Communication Technology, Cairo, December 10-14, 2006

Malghani G. K.

Bioaccumulation Detection & Comparison of Heavy Metals in Fresh Water Vegetables with Waste Water Vegetables of Quetta Region. Deakin University Melbourne, Australia (2007)

Manzoor Ali Brohi, Bakhshan Khan Sohito, Mohsin Jani Soomro, Ghulam Ali Mashori

Social Responsibilities and Challenges Confronting Oil Industry, International Petroleum Technology Conference (IPTC), Dubai, U. A. E. December 4-6, 2007

Conferences, Seminars, Workshops

Malghani, M. A. K.

12th Asian Chemical Congress and Chemical Safety and Security in 21st century, Putra World Trade Centre, Kuala Lumpur, Malaysia, August 23-25, 2007

Malghani, M. A. K.

International symposium on '*Biomarker Measurements in Complex Matrices*' School of Biological Sciences, Pakistan Society for Biochemistry & Molecular Biology, University of the Punjab, Lahore April 25-26, 2007

Malghani, M. A. K.

Workshop on "Molecular Biology and Vaccine Production" CASVAB University of Balochistan, Quetta, May 28-31, 2007.

Cheema, A. M.

International symposium on 'Biomarker Measurements in Complex Matrices' School of Biological Sciences, Pakistan Society for Biochemistry & Molecular Biology, University of the Punjab, Lahore April 25-26, 2007

Naseebullah

Sixth International Biennial Conference of Microbiology, Quaid-i-Azam University, Islamabad, March 18-21, 2007.

Naseebullah

Workshop on "Molecular Biology, Biotechnology and Vaccine Production" Center of Advance studies in Vaccinology and Biotechnology, University of Balochistan, Quetta, May 28-31, 2007.

Nawaz M.

"*Professional Development Workshop in Teaching of University Algebra*", School of Mathematical Sciences GCU Lahore in collaboration with HEC Islamabad and National Centre of Mathematics, April 2007

Mohammad Saeed, Mohammad Jamil

'*Intensive Course on Bioreactor Operation*' Institute of Bioscience, University Putra Malaya March 21-23, 2007

Niaz Muhammad

Workshop on *"Analyzing the quality of Higher Education through continuous self assessment"*
Quality Assurance Agency HEC Islamabad (dates?)

Poster Presentation in Conferences**Mohammad Saeed (with Raish Afroz Khan)**

"Effect of Light and Temperature on Seed Germination of Three Species of Labiatae" 2nd
International Society for Seed Science Meeting on Seed and Environment, Perth, Western Australia,
Sep 9-13, 2007.

Translation of Books**Sultan Mehmood Niazi**

Translation of 'Humanitarian Charter and Minimum Standards in Disaster Management' into Urdu
published by The Sphere Project of the European Commission 2007

Sultan Mehmood Niazi

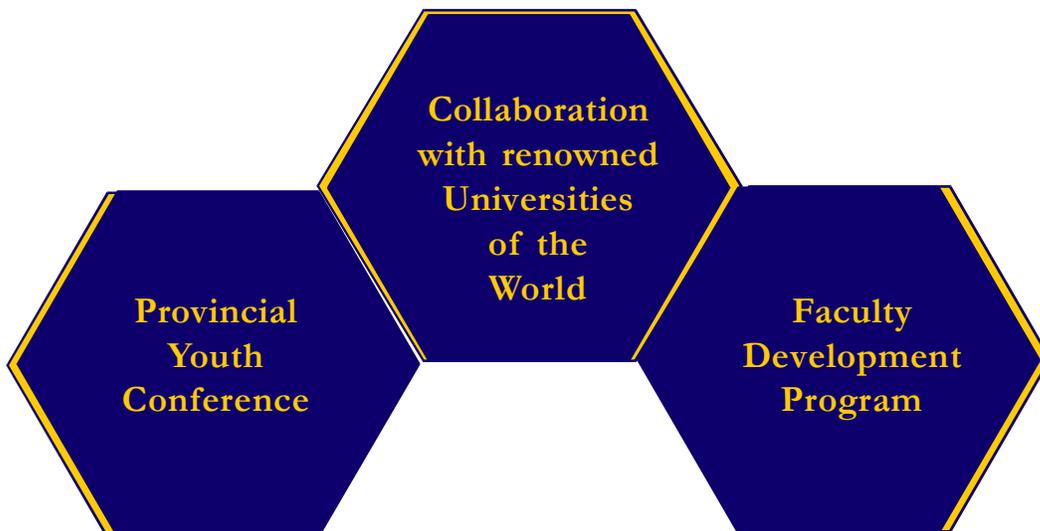
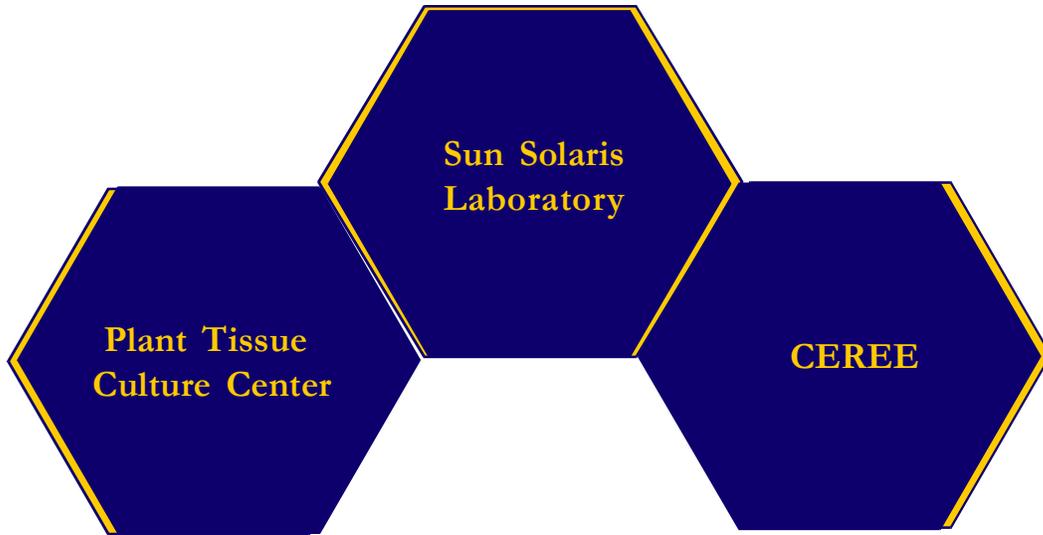
Translation of 'They Dare to Speak Out' (Paul Findley) into Urdu (in print) 2007

Achievements**Best University Teacher Award**

Higher Education Commission announced Best University Teacher Award for Prof. Dr. Mohammad Nawaz for the year 2004, for Prof. Dr. A. M. Cheema for the year 2005 and for Mr. Abdul Raziq for the year 2006. These awards were conferred upon the recipients on January 26, 2008 by Prof Dr. Atta-ur-Rehman, Chairman HEC.

Izaz-e-Sabqat

The name of Miss Wajiha Iftikhar has been approved by the President of Pakistan for presidential award Izaz-e-Sabqat for the year 2007. Miss Wajiha Iftikhar joined BUITMS as student of BS (CE) program in October 2002 and obtained her degree in November 2006 with CGPA 3.96.





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