



BUITEMS

Quality & Excellence in Education

ANNUAL REPORT 2009



Balochistan University of Information Technology
Engineering & Management Sciences

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 BUIEMS, 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.



FOREWORD

It is really heartening that BUIEMS has achieved steady growth throughout since its establishment in 2002. The university may not have put on too many years but the goals achieved defy its young age. Worth mentioning is the expansion in services and scope of educational programs which are crucial to the economic development of the region. The degree programs offered are directly relevant to the economic development of Balochistan and to the emergence of the region as a hub of advancement in modern sciences, engineering and management. Spread on three Campuses, the university has maintained breadth and depth of concentration on meaningful learning and productive research.

The demand for knowledgeable human resource is increasing both in the public and private sectors and graduates of BUIEMS bear the stamp of excellence in professionalism, competence and the insatiable thirst to surge ahead. BUIEMS imparts quality education, boosts up the students' determination to compete and excel and provides them atmosphere conducive to meaningful learning. Highly motivated and competent faculty and latest laboratories equipped with state of the art equipment are available for the students to pursue their ideals in professional life. We believe in leading by example and every student at BUIEMS is not only tutored but also groomed and polished so that the end product is something to be proud of.

BUIEMS believes in providing cutting edge facilities for the advancement in research and education standard. The establishment of Directorate of Information Technology at the Takatu Campus is a significant feature of progress in this direction. Similarly the induction of the Campus Management Solution (CMS) is a major step towards automation of university services and functions. The availability of Video-Conferencing facility at Takatu Campus is

another major development which enables the university to come in closer association with HEC and other universities. The facility also provides access to international educational sources. Collaboration with Higher Education Commission (HEC) is underway in various programs and the faculty development program has already started yielding tangible results. Currently, most of faculty members sent abroad for MS and PhD degrees have started returning after completion of their respective degrees and are adding value to the academic performance of the university.

Grooming our students is our first and foremost objective; we try to instill in our students the quest for attaining knowledge and building up their characters with open-minded analysis and deliberation thereon with universal human values of justice, equality and fraternity.

The university has braced itself to face the financial cuts imposed by the government. Despite all such hindrances, the university is committed to its pledge of providing quality education in the province. The entire team of BUIITEMS, including the administration and faculty are determinedly set to inculcate the traits of independent thinking, comprehensive contemplation and desire amongst our students to excel in all professional spheres.

Engr. Ahmed Farooq Bazai
Vice Chancellor

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BUITEMS _ IN QUEST OF NEW HORIZONS

The objective behind the establishment of BUITEMS was to provide quality education in the field of information technology alongwith other fields of study. With the establishment of BUITEMS, modern education facilities were made available to the youth of Balochistan at their doorsteps. They were provided with an opportunity to acquire knowledge and skills on most modern lines and apply their new gained competence for the acquisition of honorable positions in the practical and professional world.

Looking at the 3700 students currently studying at BUITEMS, it is difficult to imagine that back in 2002, the first batch of intake consisted of a total of 90 students in just three programs of study. Currently the university is equipping thousands of students with learning and knowledge in fields that guarantee their prompt acceptance in the professional job market. In keeping with the current trends and challenges, the faculties of the university are producing capable human resource to shoulder the responsibilities of national growth and global advancement.

We, at BUITEMS, are committed to our motto of quality and excellence in education and for this purpose the university undergoes constant scrutiny by the Directorate of Quality Enhancement and Accreditation. We are consistently endeavoring to achieve international quality standards in all spheres of our activities and our laboratories and equipment are regularly updated. The curricula at the university are constantly reviewed and upgraded in the light of new findings, research outcomes, and HEC guidelines.



The Career Counseling and Planning Center at the university provides timely and appropriate guidance to the students. They are encouraged to analyze their own aptitudes and ambitions to chalk out a future plan of approach for themselves. This is a crucial aspect of personality grooming as most of our youth tend to follow the ambitions and desires of others (mostly of their parents) rather than listening to their own intuitive voices. These were the considerations that led to the establishment of the Career Counseling and Planning Centre. This centre is playing a pivotal role in the remedy of such trends.



Human resource development features high on the university's priorities. The teachers' qualifications and capabilities are continuously improved and modernized through the activities of the Directorate of Training and Development, both inland and abroad. Seven years ago, Balochistan University of Information Technology, Engineering and Management Sciences became functional in an old office building which has, since then, not only been expanded with the addition of an entire floor, but has also been complemented by two more spacious campuses.

The City Campus now houses the Faculty of Life Sciences and Informatics, Faculty of Management Sciences and Faculty of Arts and Basic Sciences. The Takatu Campus, spread over an area of 108 acres comprises the Vice Chancellor's Secretariat, Administration Offices, Faculty of Information and Communication Technology, Faculty of Engineering, staff residences, the Sports Complex and the largest Expo Center in the province. State of the art Computer and Electronics laboratories, Petroleum and Gas





Engineering laboratories, Textile Engineering workshops, Chemical Engineering laboratories and a number of other distinguishing features of the campus add to the academic environment available at the university. The Hazarganji Campus, spread over a vast area, is being developed as a modern research farm, where thousands of trees and beds of rare medicinal plants surround an International Standard Research Centre. The trees and plants irrigated by drip

system have served to improve the ecology of the area and provide shelter to the wild life and birds.

Admissions are offered to all those students who fulfill the minimum qualifications for admission and show determination in pursuit of higher studies with diligence. Students admitted to this premier seat of learning are expected to study extensively, gain firm grasp over their respective subjects of study



and acquire the habit of inquisitive learning and knowledge generation through research projects. Along with their educational endeavors, the students are also encouraged to participate in co-curricular and extra-curricular activities. The fitness centre at the Takatu Campus of BUITEMS is distinguished on account of its modern exercise machines and equipment.

It adds to BUITEMS status that merit scholarships are offered to 10% of its students in every class, every semester. In addition to this the university provides fee waivers to another 10% of the students in each faculty on need basis. Such fee waivers range from 25%-100% depending on the intensity of financial hardship that a student may be faced with. This corporate social service role being played by the university amounts to Rs. 15 million per annum.

BUITEMS has earned the unique distinction of being given the status of a Registered Engineering University by the Pakistan Engineering Council. Consequently the Vice Chancellor, BUITEMS is an ex-officio member of the PEC governing body in accordance with provision of section 9(e) of

Act, 1976. BUITEMS has been included in the list of accredited universities for education in engineering.

Another milestone achieved in the pursuit of providing latest technology to the students is the Video Conferencing facility at Takatu campus allowing the students access to lectures of renowned scholars of universities around the world. This facility also allows live contact with all the universities of HEC linked to this facility.

Along with this, the fully automated "**Campus Management Solution**" introduced at the university has lived up to its expectations and its beneficial results are evident. CMS provides integrated information and prompt collaboration between the various functioning units. All the input is pooled in one central database which delivers role-based 24/7 access to information in a secure and prompt manner.

Biotechnology has a pivotal role to play in future with regard to the development of genetically modified crops and livestock. Previously Biotechnology was being offered as one composite program but now the



faculty has evolved into the Faculty of Life Sciences and Informatics with emphasis on DNA technologies. The faculty consists of three separate departments namely the Department of Biotechnology and Informatics, the Department of Plant Sciences and Informatics and the Department of Microbiology and Pathology.

The two libraries located at each of the City and Takatu campuses, house thousands of books and dozens of journals. The libraries are also linked with the National Digital Library Service of HEC. Students at BUIITEMS have access to a



treasure house of research journals and millions of other publications via this link. BUIITEMS is also equipped with an internet facility of 24 Mbps which runs 24/7.



Constant up-gradation of courses and facilities is ensured for the benefit of students. This unification and integration make BUIITEMS stand out unique amongst the universities of Pakistan and make its mark in producing well groomed and professionally sound graduates.



BUTEMS SENATE & SYNDICATE



BUITEMS SENATE



Chairman
Nawab Zulfikar Ali Magsi
Chancellor,
BUITEMS



MEMBER
Engr. Ahmed Farooq Bazai
Vice Chancellor,
BUITEMS



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



MEMBER
Prof. Dr. Badal Khan
Pro. Vice Chancellor,
Balochistan University



MEMBER
Mrs. Shama Perveen Magsi
Minister Govt. of Balochistan



MEMBER
Mr. Amjad Rashid
Chief Exe., Taraqi Foundation



MEMBER
Mr. Justice Mehta Kailash Nath
Kohli
Ex. Judge Balochistan High
Court, Quetta



MEMBER
Mr. Tahir Munir Minhas
The Secretary to Govt. of
Balochistan, Education
Department



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Prof. Dr. Arbab Ghulam
Rasool
Dean, Post Graduate Medical
Institute, Quetta



MEMBER
Dr. Syed Mohsin Raza
Dean, Faculty of Physical
Sciences, UoB, Quetta



MEMBER
Mr. Anwar Tareen
Tribal Notable, Balochistan



MEMBER
Ms. Farwa Amjad
BUITEMS Alumni,
Gold Medalist in BS (Physics)
from BUITEMS 2008



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



MEMBER
Prof. Dr. A.H.S. Bukhari
Dean, Faculty of Information &
Communication Technology,
BUITEMS



MEMBER
Prof. Dr. Abid Hussain
Dean, Faculty of Engineering
BUITEMS



MEMBER
Prof. Dr. Ehsanullah Kakar
Faculty of Engineering
BUITEMS

BUITEMS SYNIDCATE



Chairman
Engr. Ahmed Farooq Bazai
Vice Chancellor, BUITEMS



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



MEMBER
Prof. Dr. Seemi Naghmana
Prof. Department of Mass
Communications, UOB, Quetta



MEMBER
Prof. Dr. Rehana Rasheed De-
partment of Chemistry, UOB,
Quetta



MEMBER
**Prof. Dr. Arbab Ghulam
Rasool**
Dean, PGMI, BMC, Quetta



MEMBER
Prof. Dr. A. H. Shah Bukhari
Dean, Faculty of Information &
Communication Technology,
BUITEMS



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



MEMBER
Prof. Dr. Maqsood Ahmad
Dean, Faculty of Management
Sciences, BUITEMS



MEMBER
Prof. Dr. Abid Hussain
Dean, Faculty of Engineering
BUITEMS



MEMBER
**Prof. Dr. Dost Muhammad
Baloch**
Dean, Faculty of Life Sciences
& Informatics, BUITEMS



MEMBER
Prof. Dr. Ansaruddin Syed
Chairman, Department of
Mathematics, BUITEMS



MEMBER
Prof. Munir Ahmed Kakar
Controller of Examinations,
BUITEMS

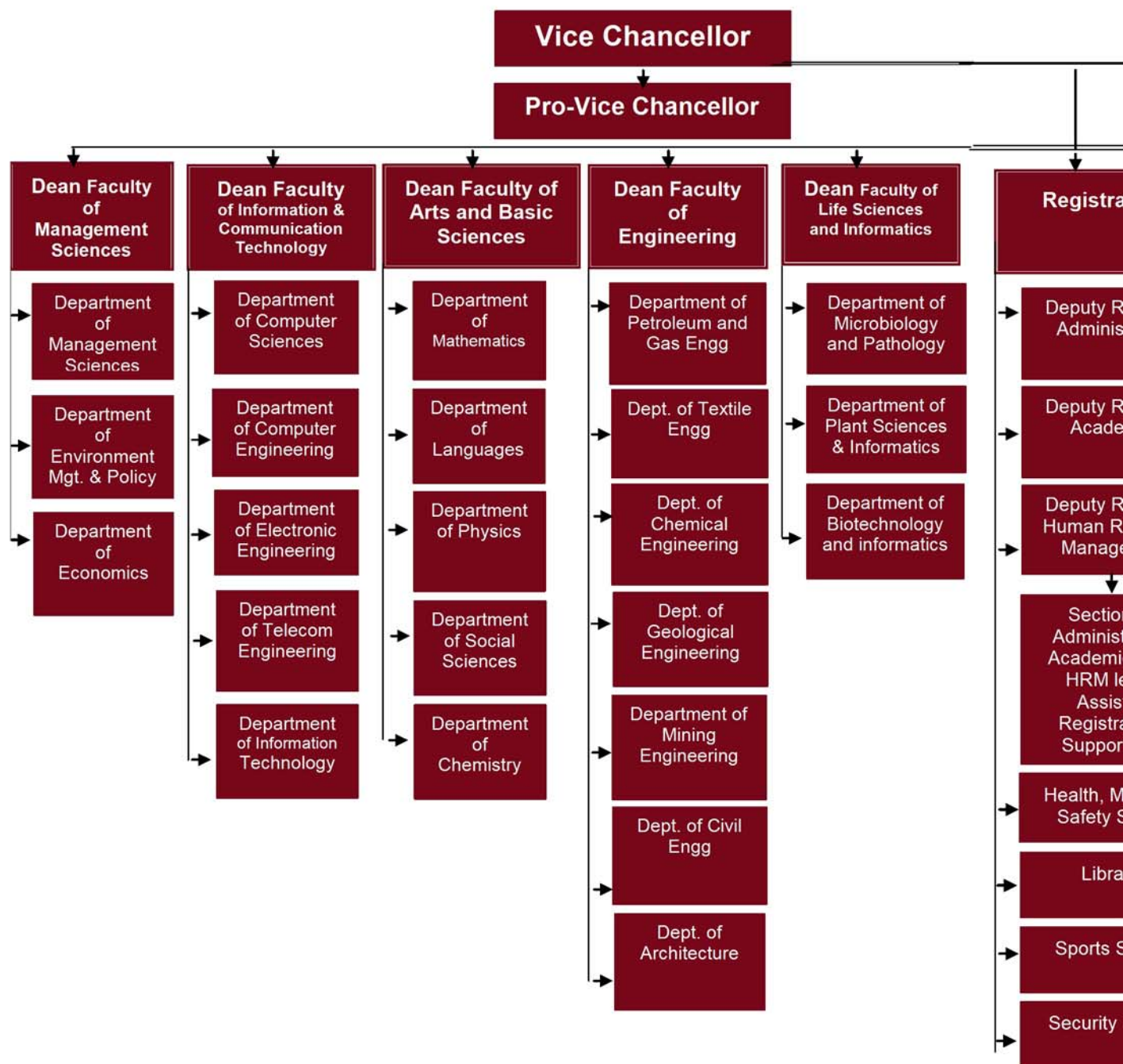


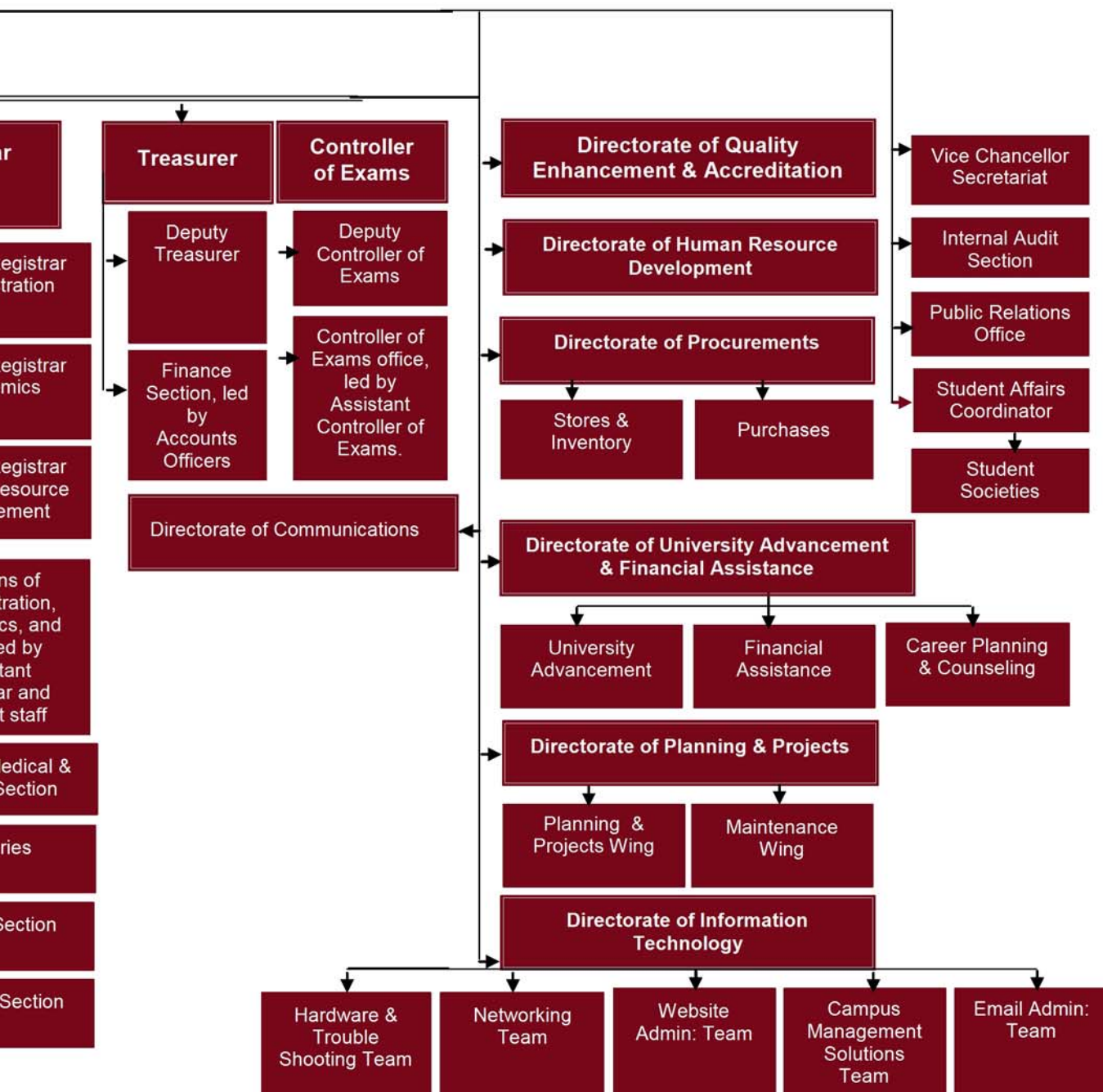
MEMBER
Mr. Babar Faiz Baloch
Director Finance, BUITEMS



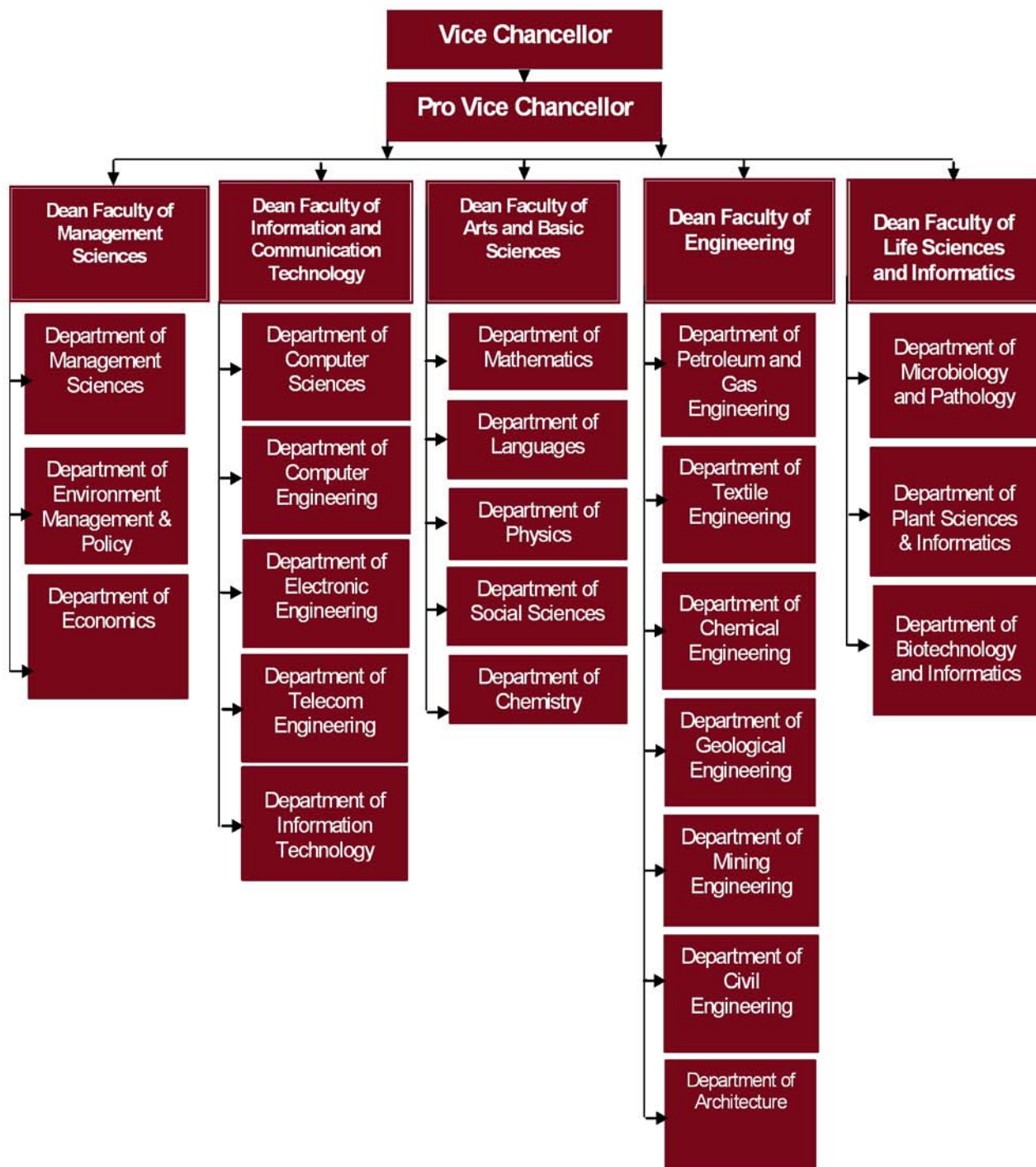
SECRETARY
Mr. Mazoor Hussain
(Offg.) Registrar BUITEMS

ORGANOGRAM OF THE UNIVERSITY





ACADEMIC SET-UP OF THE UNIVERSITY



ACADEMIC/ ADMINISTRATIVE HIGHLIGHTS



FACULTY STRENGTH

The multifarious accomplishments of BUIEMS largely owe to the dedication and expertise of its faculty. Emphasis on merit at the time of selection, encouragement by the senior colleagues and provision of inland and foreign training opportunities keep polishing the capabilities of the teaching and research staff and develop them into models of confidence and professional competence. The student - teacher ratio is scrupulously watched, so that personal attention and guidance is available to each and every student, irrespective of gender or class biases. Brilliant and creative people are crucial to the constant growth of the university. BUIEMS is proud of the 217 faculty members contributing to its successful functioning and enviable growth.

FACULTY

1. Faculty of Information and Communication Technology

Department	Total Number of Faculty Members
Electronic Engineering	12
Computer Science	21
Computer Engineering	13
Information Technology	5
Telecom Engineering	6
Faculty Sub-Total	57

2. Faculty of Management Science

Department	Total Number of Faculty Members
Management Science	36
Economics	15
Environmental Management & Policy	3
Faculty Sub-Total	54

3. Faculty of Engineering

Department	Total Number of Faculty Members
Chemical Engineering	12
Textile Engineering	11
Petroleum & Gas Engineering	10
Mining & Geological Engineering	2
Civil Engineering	5
Architecture	5
Faculty Sub-Total	45

4. Faculty of Life Sciences & Informatics

Department	Total Number of Faculty Members
Bio Technology & Informatics	16
Micro Biology & Pathology	3
Plant Sciences & Informatics	5
Faculty Sub-Total	24

5. Faculty of Arts & Basic Sciences

Department	Total Number of Faculty Members
Mathematics	8
Physics	4
English	11
Psychology	3
Islamic Studies	3
Chemistry	1
International Relations	3
Statistics	3
Sociology	1
Faculty Sub-Total	37
Grand Total	217

STUDENT STRENGTH

There has been remarkable increase in the number of students studying at BUIITEMS and in the number and quality of faculty members since a modest start with just 90 students in 2002. This growth is due to rapid build-up of the image of the University as a quality institution where meaningful education is provided. The academic activities at BUIITEMS commenced on the 14th of October, 2002 with the introduction of the three graduate programs in the disciplines of Computer Science, Computer Engineering and Management Sciences only. As the university ensured the provision of the top class instruction, state of the art laboratories, highly qualified and competent faculty, and an environment conducive to sound inquisitive learning, there has been tremendous demand for admission to the university.

1. Faculty of Management Sciences		
S.#	Programs	No. of Students
01	BS BA (4 years)	398
02	BS (Eco)	228
03	MBA (Banking & Finance)	103
04	MBA (Regular)	294
05	MBA (Evening)	32
06	MBA (Post BS BA)	66
07	MBA (After Noon)	97
08	MS (Environmental Management)	40
09	PhD (Environmental Management & Policy)	12
	Sub-Total	1,270
2. Faculty of Engineering		
01	BS (P& G Engineering)	242
02	BS (Textile Engineering)	181
03	BS (Geological Engineering)	58
04	BS (Chemical Engineering)	181
05	BS (Mining Engineering)	49
06	BS (Civil Engineering)	209
07	BS (Architecture)	60
	Sub-Total	980
3. Faculty of Information & Communication Technology		
01	BS (Computer Sciences)	148
02	BS (I.T)	144
03	BS (Electronic Engineering)	355
04	BS (Telecom Engineering)	199
05	BS (Computer Engineering)	186
	Sub-Total	1,032
4. Faculty of Life Sciences & Informatics		
01	BS (Biotechnology & Informatics)	239
02	BS (Plant Sciences)	0
03	BS (Microbiology)	15
04	MS (Biotechnology & Informatics)	50
05	MS (Plant Sciences)	15
06	MS leading to PhD in Biotechnology & Informatics	14
07	PhD (Biotechnology & Informatics)	8
	Sub-Total	341
5. Faculty of Arts & Basic Sciences		
01	BS (Social Sciences)	62
02	BS (English)	0
03	MS (Physics)	10
04	MS (Math)	11
	Sub-Total	83
	Grand Total	3,706



INCENTIVES TO DILIGENCE



FINANCIAL ASSISTANCE TO THE NEEDY STUDENTS

BUIITEMS has a nominal fee structure for the students. These dues are used for partially meeting the recurring budget needs of the university. On the other hand the university provides fee concession to the needy students, like children and wards of the low paid employees, laborers, orphans & others. The university fee concession is linked with the performance of the students. The university provides fee concession to 10% of the total strength of the students.

In 2009, the university has given the following fee concession to the students:

Semester Spring 2009	Rs. 1,914,750/-
Semester Fall 2009	Rs. 2,509,875/-
Total	Rs. 4,424,625/-

10% Merit Scholarship

BUIITEMS also provides 10% merit scholarship to the brilliant students (10% of the total strength of a class) of the university. Those who get highest GPA in the class / session have the right to avail the merit scholarship.

The **10% merit scholarship** has been granted to the following number of students,

Fall 2008	212 Students
Spring 2009	203 Students

Siblings Concession

BUIITEMS allows fee concession to siblings who are enrolled in the university. In 2009 BUIITEMS granted siblings concession to 42 students.

External Scholarships

BUIITEMS is successful in getting external scholarships for the needy & brilliant students of the university. The university has established a separate directorate for this purpose. The main objective of this

directorate is to raise funds and create financial assistance opportunities for needy students.

Following table shows the number of students who received scholarships from sources other than university:

S. #	Scholarship Name	Scholarship Awarded to Students (no.)
1	HEC-USAID Need Based Scholarship	42 Students
2	HEC-Japanese Need Based Scholarship	19 Students
3	Khushali Bank Scholarship	62 Students
4	Karwan-e-Islam Scholarship	06 Students
5	Balochistan / FATA Scholarship	20 Students
6	NICT/ R& D Scholarship	17 Students
7	Pakistan Bait-ul-mall (Balochistan Funded)	65 Students
8	Mora Scholarship	20 Students

Foreign Students

The university has enrolled 40 Afghan students under a scholarship scheme of Government of Pakistan.

EXPLORATION CHAMBERS



RESEARCH LABORATORIES

The year 2009 is a landmark in the history of the University for Establishment of new laboratories and strengthening of old ones at BUITEMS. Some old laboratories were shifted to newly constructed block at Takatu Campus and new equipment was purchased for some of these laboratories. Students and academics availed facilities provided in these laboratories with enthusiasm and zest and carried out experiments for their academic excellence.

Scientists at BUITEMS have successfully optimized and established different protocols for the tissue culture plants, performed antibacterial assays for the wild type as well as for the tissue cultured plants and performed SDS-PAGE for Juniper species, Lavender, Crotons and Bananas. They have also collected, identified and preserved more than 80 medicinal plants and have established ethno medicinal value of more than 45 plants. Work has been conducted on herbal activity against malaria. Scientists working in Tissue Culture Laboratory are conducting research on seed germination of chalgoza pine and using SDS method for determination of variation in cultured plants. Brief description of some of these laboratories is given in the following paragraphs.

Laboratory for Molecular Biology and Human Genetics

Laboratory for Molecular Biology and Human genetics has the facility for the research groups to conduct research on Molecular Bases of different Genetic diseases prevalent in the region such as Hereditary Hearing loss, Cataract, Hereditary mental Retardation and Epilepsy. The laboratory also has the facility of conducting research on Molecular diagnosis of infectious diseases such as HBV (Hepatitis B Virus), HCV (Hepatitis C Virus) and Tuberculosis patients through PCR. Equipment used by Laboratory

for Molecular Biology and Human Genetics includes the best machines.

Currently the research group for Molecular Biology and Human Genetics is working on a project with a total cost of Rs. 4.016 million for a period of three years funded by HEC, Islamabad.

Research group for Molecular Biology and Human Genetics has so far identified several known mutations including mutation in the HSF4 Gene responsible for Cataract and published research in journals of international repute.



Plant Tissue Culture Laboratory

Tissue Culture Laboratory was established to use clean propagation technology utilizing plant growth regulators to develop and optimize protocols for the large scale production of economically important plants.

A large number of Orchids, Pine apple, Ixora, Lavender sp and banana were produced successfully through tissue culture technique using different media and were distributed further. They grew fast and well during last two years. More emphasis was given on pine apple and banana as they have a high economic value and have become the most important plants industry in the world. More than 250 different varieties of rare, endangered, medicinal, ornamental, drought resistant, unique herbs, shrubs and trees were grown in covered area at Chiltan campus BUIITEMS, for the purpose of conservation, education and sustainable use.

The knowledge of propagation by Tissue Culture has allowed the researchers to accomplish the identification of the Micropropagation system which can produce genetically stable plants; use these techniques to produce disease-free plant material on a large scale; Virus indexing of existing supplies against Banana Virus in order to propagate the virus indexed plants employing Tissue Culture; optimization of suitable marker systems for the rapid and efficient detection of genetic variation in plants in order to produce true to type banana plants on a large scale and optimization of protocols to enhance the Micropropagation of Juniper species, Ixora, Lavender, Crotons.



Health Biotechnology Laboratory

The laboratory has the facility for the research groups to conduct the research in life style related health profile in various ethnic groups in Balochistan and also to investigate specific biochemical parameters for their adaptations at higher altitude region of Balochistan.



Natural Products Laboratory

The main objective of this Laboratory is to explore natural products in every respect. Work is under way for development of plant-based drugs through investigation of leads from the traditional systems of medicine. Traditional medicine can provide novel inputs into the drug development process. Medicinal plants are being used from centuries as traditional medicine in most developing countries for the maintenance of good health. Balochistan is rich in medicinal plants. Little scientific research has been done on them. Hence, it is extremely important to scientifically establish their efficacy, toxicity, and safety of these herbs, so as to prevent the people from the harmful effects of these herbs used as medicines. Efforts are being made in this lab to achieve this target.

Antibacterial activities of three plant extracts were determined against bacterial strains *Escherichia coli*, *Staphylococcus aureus*, *Salmonella arizonae* by agar well diffusion assay in the Natural Products Lab. This work leads to characterization of varietal

differences found among the fifteen different varieties of plant samples and to perform the protein fingerprinting of the different varieties of the plant samples. It may be used to find out the evolutionary relationship among the fifteen different varieties of plant samples.

Presently, ethnomedicinal studies are being carried out to find out the herbs traditionally used in typhoid and gastroenteritis diseases. Later studies on their in vitro activities will be conducted.

Software Development Laboratory

The software development laboratory facilitates students to develop latest software projects, for the society and organizations. It has 30 high configuration computers installed with latest software development tools like Visual Studio, .Net Framework, 3D Studio Max and connected to high speed internet facility. It takes the theory taught in the classroom and unites it with professional practice through intensive laboratory experience. The software development laboratory is designed to emulate world-class software development.

Our goal is to create a physical, organizational, technological, and intellectual environment conducive to collaborative development of world-class software development skills.



Telecommunication Laboratory

The basic Telecommunication Laboratory consists of basic communication equipments in which early semester students perform different practicals which help them to clear and broaden their basic concepts about tele-communication networks. This laboratory is equipped with basic communication trainers which include analog communication section, digital communication section and fiber optic communication system.

Advanced Telecommunication Laboratory

The newly established Advanced Telecommunication Laboratory is equipped with latest telecommunication equipments. This laboratory provides to the students the opportunity to enhance their knowledge & expertise in the field of Telecommunication.



Students carry out experiments pertinent to the fields of Wireless communication, Microwave Communication, Antenna & Wave Propagation, Telephone Exchanges, Data communication, Bluetooth technology, GSM/GPRS & CDMA, and Integrated Service Digital Network.

Control Engineering Laboratory

This newly established, spacious and state of the art laboratory is equipped with advanced apparatus and instruments, specially catering to the curricula for automatic control principles, modern control engineering. Students perform such experiments as related to Digital Signal Processing, Control Engineering, System Analysis and Design. Control Engineering Laboratory is equipped with sophisticated instruments such as Ball and Beam, Convey Belt Control Module and DC Servo Control Trainer. These are the essential equipments used in industries, and their provision at BUIITEMS provides students with an opportunity to get hands on experience and adeptly nurture their skills.

Microcontroller (32-bit) to provide comprehensive hands-on training including assembly language and computer interfacing. The laboratory has access of microcontroller programmer/ trainers which help students in designing of projects and industrial applications.



Robotics and Automation Laboratory

The Robotics and Automation Laboratory provides a completely open, innovative experiment platform for the mechatronics, manufacture automation, automation control and other related courses. The **4DOF SCARA ROBOTIC ARM**, can be applied in machine manufacture and automation, electronic engineering, machine design and theory, CNC technology, Robotics, automation control and other related mechanical and electrical control fundamental experiment courses.

Semiconductor Characteristics & Testing Laboratory

This Laboratory is equipped with latest 4200-SCS Semiconductor Characterization System which offers pulse I-V capabilities for advanced semiconductor testing. Research for MS and PhD can be carried out in this laboratory. Two faculty members were trained by the vendor on the newly procured equipment.



Microprocessor and Microcontroller Laboratory

This Laboratory is equipped with 8086 Microprocessor (16-bit) and 80386



Digital Systems Laboratory

The Digital Systems Laboratory is equipped with latest Digital trainers for "Digital Systems" and "**Digital Logic Design**" disciplines. The students learn how to design analog and digital circuits and their industrial applications.

The objective of Electronic Engineering laboratories is to provide well demonstrated practical knowledge of all the electronic

related courses offered in various Engineering and technology disciplines. The laboratories consist of many different sub-laboratories for comprehensive studies in various disciplines including Digital Systems Laboratory (Digital Systems & Digital Logic Design), Analog Electronics Laboratory (Network Analysis, Integrated Circuits) and Basic Electronics Laboratory (Electronic Workshop, Basic Electrical Engineering).

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



Blue Chip Internet Laboratory

This laboratory is open for all students of university from 9:00 a.m to 11:00 p.m for general and internet usage. The students and teachers use this laboratory for preparing their



assignments and projects till late hours, the course practical's like Programming Languages, Computer Architecture, Software Project Design, Matlab, and DBMS (Oracle SQL / PL-SQL) etc.

CAD/CAM Laboratory

This is a UNIX based laboratory which is specially meant for the graduate and undergraduate level students of Computer Science and Computer Engineering.



The laboratory is specifically utilized for research purpose and conducting the laboratory work of Computer Aided Design / Computer Aided Manufacturing, CAD Software (ARRIS CAD for Sun Solaris), Object Oriented Programming (Using Java) and Sun Solaris Administration.

Multi-Protocol Laboratory

This laboratory was established for cross communication among hybrid platforms including Windows, Linux and Sun Solaris. Students are provided these facilities to use multiple platforms with multiple networking techniques for communication among these platforms. The laboratory is fully networked and provides printing facility to the students.



Advanced Computing Laboratory

This Laboratory has been established for the final year students to carry out their final year project work on up-to-date machines. Particularly the students of Computer Science, Computer Engineering and Information Technology are allotted machines

devices, and redundant interconnections, to form what appears to users as a single highly available system. Cluster computing can be used for load balancing as well as for high availability. One common reason to use cluster computing is a desire to create redundancy in a computer network to ensure that it will always be available and that it will not fail.



according to their project requirements with other tools which they require to use in their projects. These machines are equipped with all the necessary tools and with multiple operating systems like Windows and Linux to fulfill students' project requirements.

Using this facility the faculty has also published some work on OSCAR Based Cluster Deployment and Management in Linux Environment, Open-MPI.

Cluster Computing Laboratory

This project was financed by Higher Education Commission of Pakistan in the year 2005-06. This laboratory is particularly designed for carrying out research on Cluster and Grid Computing; using the state of the art facility. Cluster computing, is the use of multiple computers, typically PCs or UNIX workstations, multiple storage



RESEARCH GALLERY



RESEARCH

Faculty at BUIEMS has carried out quality research which has either been published in journals of national and international repute or has been presented in conferences of significant importance. The abstracts of selected papers published / presented at conferences during the year 2009 are:

ABSTRACTS

Pak. J. Bot, 41(2): 711-730, 2009.

Nonparametric Methods in Combined Heteroscedastic Experiments for Assessing Stability of Wheat Genotypes in Pakistan

Syed Haider Shah, Syed Munawar Shah, M. Inayat Khan, Maqsood Ahmad, Imdad Hussain, and K. M. Eskridge

Abstract

Genotype performance in multi environment trials (METs) are usually analyzed by parametric analysis of variance (ANOVA) and stability models. The results of these models can give misleading inferences when some sensitive assumptions are not satisfied. In this paper, assumptions of combined ANOVA are scrutinized in detail to justify the validity of use of 5 nonparametric stability methods (Si(1), Si(2), Si(3), Si(6), and YSi (2) applied to 20 genotypes grown in 40 heteroscedastic and nonnormal environment in Pakistan for the year 2004-05. there is a severe heterogeneity problem in the data because the ratio of the largest estimate mean squares error (MSE) for individual environment randomized complete block design (RCBD) to the smallest MES is approximately $(1.00/0.02=50)$. Out of 40 environment a =individual coefficients of determination (R^2), 27 are less than 0.70. This lead to violation of linearity assumption in the model. Standardized residual plots vs. individual environment plots and normal probability plot are indicators of the violation of homogeneity, normality assumptions and absences absence of outliers. No linear relationship was established between the natural logs of the error variance and natural log of environments, mean, which again violates coefficient of variation (CV) assumption. Remedial transformation as suggested in literature were not successful to stabilized environment MSEs and could not normalize the data, so as a last resort in this regard nonparametric stability methods seem to justify the analysis of genotype x environment interaction (GEI). The low values of modified rank-sum statistics $YS(i)(1)$ and $YS(i)(2)$ were positively and significantly associated with mean yield but the other nonparametric methods were not correlated with mean yield. The result of principal component analysis and correlation analysis of nonparametric stability methods indicate that the use of modified rank-sum method would be justifiable for simultaneous selection for high yield and stability. Using modified rank-sum method, the genotypes G7, G3, G15, G5 and G12 were found to be the most stable with yield, whereas G14 and G19 were the least stable genotypes.

Sarhad j. Agric. Vol.25, No.1, 2009

Profitability Analysis of Grapes Orchards in Pishin: An Ex-Post Analysis

Syed Mohammad Khair, Maqsood Ahmad and Ehsanullah Khan

Abstract

The study presents an ex-post analysis of long-term investment decisions for grape production in the district Pishin, Pakistan. The ex-post analysis offers the true worth of farmer's long term investment decisions for grape production. A total of 100 grape growers were interviewed to compute the long-term cost of production and financial feasibility. The total production cost estimate indicates that 16 percent were investment cost for grape increases remaining 84 percent were the operating cost. The cost model indicates that operating costs for grape increases with age as the crop inputs and management increases with passage of time. Among all operating costs, the irrigation water was major cost constituted about 21% of the total cost followed by fertilizer (nitrogen, phosphorus, potash), which contributed about 13% of total costs. The contribution of Farm Yard Manure was about 10% of the total cost. In addition, the cultural practices, which include weeding, spraying, pruning, layering and soiling, were about 27% of total cost. The term economic analysis indicates that grapes orchards are found to be highly profitable with healthy rate of return (38%), positive value (Rs. 379,287) and benefit-cost ratio (4.82), which is large than one. To test the robustness of the investment sensitivity analysis was carried out under different costs and benefit assumption. The sensitivity analysis indicates that grape still offer considerable returns indicating the robustness of long term investment. The long term investment analysis shows that investment in grapes orchards has an attractive return provided that are properly managed in the light of advice of agriculture experts. Moreover, considering the grapes water requirement, which is much lower than other fruits such as apple, apricot and plum, it could be the most effective crop to grow.

Journal of The College of Physicians Pakistan 2008. Vol. 18 (2): 74-77

N-Acetyl-B-D-Glucosaminidase and Inflammatory Response after Cardiopulmonary Bypass

Mohammad Parviz Iqbal, Hasanat M. Sharif, Naseema Mehboobali, Farzana A. Yousuf, Abrar H. Khan and Frank W. Sellke

Abstract

Objective: To determine the plasma/serum levels of homocysteine, and vitamins folate, B6 and B12, in Pakistani healthy adults. **Study Design:** Cross-sectional study. **Place and Duration of Study:** The Aga Khan University, from October 2006 to April 2008. **Methodology:** Fasting levels of plasma/ serum folic acid, pyridoxal phosphate (PLP), vitamin B12 and homocysteine were determined in 290 apparently healthy hospital personnel from institutions in two cities of Pakistan. Spearman correlation test and linear regression analysis was conducted.

4th World Conference on 21st Century Mathematics March 4-8 2009 Abdus Salam School of Mathematical Sciences GC University Lahore (Abstracts)

Heyting Algebra and its Dual

M. Nawazs

Abstract

We define a Heyting algebra as a lattice A equipped with a binary operation h defined as $c < h(a, b)$ iff $\inf(c, a) < b$ and its dual as a lattice A equipped with a binary operation g defined as $g(a, b) < c$ iff $b < \sup(a, c)$. We prove that A equipped with binary operations g and h is a Boolean algebra if and only if any one of following equivalent conditions is satisfied

i. $\sup(a, h(a, 0)) = 1$ ii. $\inf(a, g(a, 1)) = 0$ iii. $g(a, 1) = h(a, 0)$

4th World Conference on 21st Century Mathematics March 4-8 2009 Abdus Salam School of Mathematical Sciences GC University Lahore

Uir Matrix Elements of Finite Rotations of $SO(2, 1)$ Decomposed According to the Subgroup T_1

Ansaruddin Syed

Abstract

Using a technique of Kalnins, UIR of principle series of $SO(2, 1)$, decomposed according to the subgroup T_1 , are realized on the space of homogeneous functions on the cone $0 \leq x_1^2 + x_2^2 \leq x_3^2$ as the carrier space. It is then shown that the matrix elements of an arbitrary finite rotation of $SO(2, 1)$ are determined by those of two specific type of rotations, each depending on a single parameter; matrix elements of these two specific types of finite rotations are then explicitly computed.

International Conference on Managing Creativity and Innovation (ICMCI, 2009) Ghaziabad, India Jan 9 - 10 2009

Managing Innovation in the U K and Pakistan Banking Sectors-Analysis of Flexibility and Employee Empowerment

Zahid Majeed, Sajjida Reza

Abstract

Innovation in process, structure, strategy and human assets is a continuous driver for retaining switching customers, developing human intellect, and ultimately obtaining sustained competitive advantage. Misinterpretation and the default implementation of flexibility as employer strategy may lead the organization away from its goals, if the front-line employees are reluctant to participate in decision making. Through a comparative analysis of banking innovations in Pakistan and the UK, the paper explores the potential value of employee empowerment for implementing flexibility as an effective employer strategy. With the help of an analytical model, the piecemeal theories of the "antecedents" of empowered

behavior during financial service delivery are incorporated into one conceptual agenda.

Clinical Geneict. John Wiley & Sons,

Epidemiology of Van der Woude syndrome from mutational analyses in affected patients from Pakistan

Malik S, Kakar N, Hasnain S, Ahmad J, Wilcox ER, Naz S.

Abstract

Mutations in IRF6 cause Van der Woude syndrome (VWS), one of the most common syndromes associated with cleft lip (CL) with or without cleft palate (CP). The presence of pits on the lower lip of patients is the most characteristic feature of the syndrome. We have identified three novel and seven previously reported IRF6 mutations in 12 of 16 unrelated families segregating VWS from Pakistan. The three newly identified mutations include a frameshift (c.568delG) and two missense mutations c.295G>A (p.G99S) and c.1219T>C (p.S407P).

Recent functional studies on IRF6 and the three-dimensional structure of IRF5 carboxy (C) terminus, a protein encoded by a paralog of IRF6, shed light on the p.S407P substitution. Additionally, the identification of the same mutations responsible for VWS in Pakistan, as reported in other global populations worldwide, marks these residues as mutational hotspots and indicates their essential role in structural stability or function of IRF6. This is the first study of VWS in Pakistan and we estimate that 1 in 100 patients with CL with or without CP (CL/P) are affected in the Pakistani population predominantly from the Punjab area.

J Coll Physicians Surg Pak. 2009 May; 19(5): 308-12.

Folic Acid and Vitamin B6 Deficiencies Related Hyperhomocysteinemia in Apparently Healthy Pakistani Adults; Is Mass Micronutrient Supplementation Indicated in this Population

Mohammad Perwaiz Iqbal, Bo S. Lindblad, Naseema Mehboobali, Farzana A. Yusuf, Abrar H. Khan and Saleem Perwaiz Iqbal

Abstract

Objective: To determine the plasma/serum levels of homocysteine, and vitamins folate, B6 and B12, in Pakistani healthy adults.

Study Design: Cross-sectional study. **Place and Duration of Study:** The Aga Khan University, from October 2006 to April 2008. **Methodology:** Fasting levels of plasma/serum folic acid, pyridoxal phosphate (PLP), vitamin B12 and homocysteine were determined in 290 apparently healthy hospital personnel from institutions in two cities of Pakistan. Spearman correlation test and linear regression analysis was conducted.

Results: There were 219 males and 71 females with mean age of 46 ± 10.5 years and mean body mass index of 23.5 ± 3.8 . Mean plasma homocysteine levels in Pakistani normal adults were found to be $17.95 \pm 8.4 \mu\text{mol/l}$. Mean concentrations of plasma/serum folate, vitamin B12 and PLP were found to be 5 ± 3.9 ng/ml, 522 ± 296 pg/ml and 21.6 ± 14 nmol/l, respectively. Serum/plasma levels of folate, vitamin B12 and PLP were negatively correlated with plasma homocysteine (rho coefficient = -0.367 , $p < 0.001$; -0.173 , $p = 0.004$; -0.185 , $p = 0.002$, respectively).

Serum folate and plasma PLP levels were inversely related with plasma homocysteine, adjusted for gender, age, smoking and body mass index ($p < 0.001$ and $p = 0.003$, respectively). Percent deficiency values of folate, vitamin B6 and vitamin B12 were 39.7%, 52.8% and 6.6% respectively.

Conclusion: The high levels of plasma homocysteine could indicate a reason for mass micronutrient supplementation to prevent the high incidence of cardiovascular disease observed in Pakistani population.

12th National Research Conference May 9, 2009 SZABIST, Karachi
Data Mining over Grid Computing

Bakhtiar Kasi, Muhammad Nadeem

Abstract

With the advancements in technology particularly in the networks bandwidths, and with advent of more powerful computers it is now possible to perform large computations over the networks. Grid computing in this regard has emerged as an important branch of distributed computing. Often it is necessary to analyze very large data sets and perform computations, the data is geographically distributed. Centralized data mining is a technique that uses the local data for analysis; however there is a possibility where data for certain organizations is maintained geographically over several distributed sites. The Grid plays a vital role in this regard by providing an infrastructure that supports mining of geographically distributed data. Several models have been proposed for the Distributed Data Mining, the use of multi-agent system in the development of complex distributed applications has been most vital. This paper discusses an Agent base grid platform called Agent Grid Intelligent Platform.

Annual Technical Conference, 2009, SPE and PAPG Nov 17-18, 2009 Islamabad
Optimizing the HEC Recovery along with CO₂ Storage

Rubbia Majeed (Petroleum & Gas Engineering)

Abstract

Gaseous Emissions from industries and factories should never be termed as waste. These emissions can be utilized for many beneficial purposes but releasing them into atmosphere endangers the environment and results in global warming. The biggest environmental threat and contributing factor to global warming is carbon dioxide emission into the atmosphere. This paper analyses capturing gaseous waste emissions such as carbon dioxide and ashes. Capturing carbon dioxide and injecting it into the partially depleted reservoirs for enhanced oil recover and can also be stored in completely depleted reservoirs to protect environment. Impermeable caprock of depleted reservoirs will not allow Carbon dioxide to escape. Carbon dioxide if combined with hydrogen can yield methanol and if heated up to 2400 degrees Celsius can produce hydrocarbons. Reasons for using ash are global, environmental or societal in nature. Ashes can be recycled in making cement, embankments, road fills, asphalt concrete, solidification, mines reclamation etc. This paper gives idea of capturing such emissions, their transport, storage, re-use and environmental benefits.

15th Annual Graduate Linguistics/TESOL Symposium, Arizona State University March 6th 2009
The Phonology of Arabic Loan Words in Urdu

Ahmed Zeeshan Gul

Abstract

Arabic is in contact with Urdu in Pakistan, and Urdu contains many loans from Arabic. This paper deals with the phonology of Arabic's four consonants that are not in Urdu: [q], [B], [h] and [k]. These four differ in difficulty for Urdu learners of Arabic and loan words containing them are pronounced variously. A study was undertaken to confirm or disconfirm a hypothesis that different Pakistani adults (self-described as religious or liberal) substitute Arabic loan consonants differently. The study included careful documentation of the phonetic variation in sound substitution of Arabic loan consonants. Arabic [B] is often pronounced as alveolar rather than interdental, and [k] substitutes for [q] unless this strategy changes the meaning of the word. Laryngeal [h] is often deleted after a vowel and [] changes into [a:]. If these results hold for a larger study, then it will allow me to rank these four phonemes for difficulty in terms of second language acquisition. Six native speakers (three religious and three liberal) of Urdu were audio-recorded reading word lists and speaking casually. Borrowed Arabic terms were included in the list and the target sounds appeared in different positions within the word. The recordings were transcribed and phonetically analyzed. The results partially support my hypotheses.

Third ASU Syntax Workshop in LSA L194, Arizona State University November 18-25, 2009.
 Linguistic Constraints on Borrowing and Code Switching

Ahmed Zeeshan Gul

Abstract

In a Minimalist approach, the computational system of all languages is the same and the differences lie in the features of the lexicon. In this paper, I argue that, when a lexical item or a constituent of L1 (goal) with interpretable phi-features is used in L2 (probe), L1's atleast gender feature does not match with L2. The incompatible gender feature of the lexical item of L1 is then altered to get adapted into L2. Such alteration of feature(s) of the lexical item or of a constituent (goal) makes it borrowed and not code switched. This makes it possible to define morphological integration more precisely and to distinguish between Code Switching (CS) and Borrowing (BOR) better. In a Minimalist derivation where feature checking by a probe is crucial, intra-sentential code Switching is rare. Code Switching (CS) could only occur if the features of the lexical items or the constituent remain unaltered. In this paper, I compare switches between English and Urdu.

The first ASU Grammaticalization Workshop in CDS 141, Arizona State University November 23, 2009

Grammaticalization of thoRi

Ahmed Zeeshan Gul

Abstract

The current study serves three purposes. The first is to examine the data on the Urdu adverb thoRi. It is now in the process of being grammaticalized as a negative marker. In this study, I outline morpho-syntactic evidence to argue that thoRi as an adverb is different from thoRi as a negative marker. The second purpose of the paper is to argue that phonological reduction might not always be the characteristic of a grammaticalized word unlike Roberts & Roussou (2003). The third purpose is to find out why feminine gender is selected for grammaticalized thoRi as opposed to the default masculine (singular) gender. The study is significant as it provides a window on the development of negative marker.

RESEARCH PROJECTS IN PROGRESS

- ◆ *Development of the economical protocol for micro propagation of different varieties of carnation using tissue culture technology. (2006-2009) Rs.1.8 Millions funded by HEC, Islamabad.*
- ◆ *Germination & Regeneration of Chilgoza pine (Pinus gerardiana Wall. ex Lamb.) through conventional and unconventional methods (2007- 09) Rs.0.927 Millions. funded by HEC, Islamabad*
- ◆ *Studies on the Regeneration of Juniper (Juniperus excelsa Bieb.) in Balochistan. (2008- 10) 1.0 Millions 3 year funded by PSF, Islamabad.*
- ◆ *Micropropagation & Cultivation of economical plants of Balochistan (2006-2009) 4.5 Millions, Funded by HEC, Islamabad.*

Research Projects Undertaken by Students during 2009

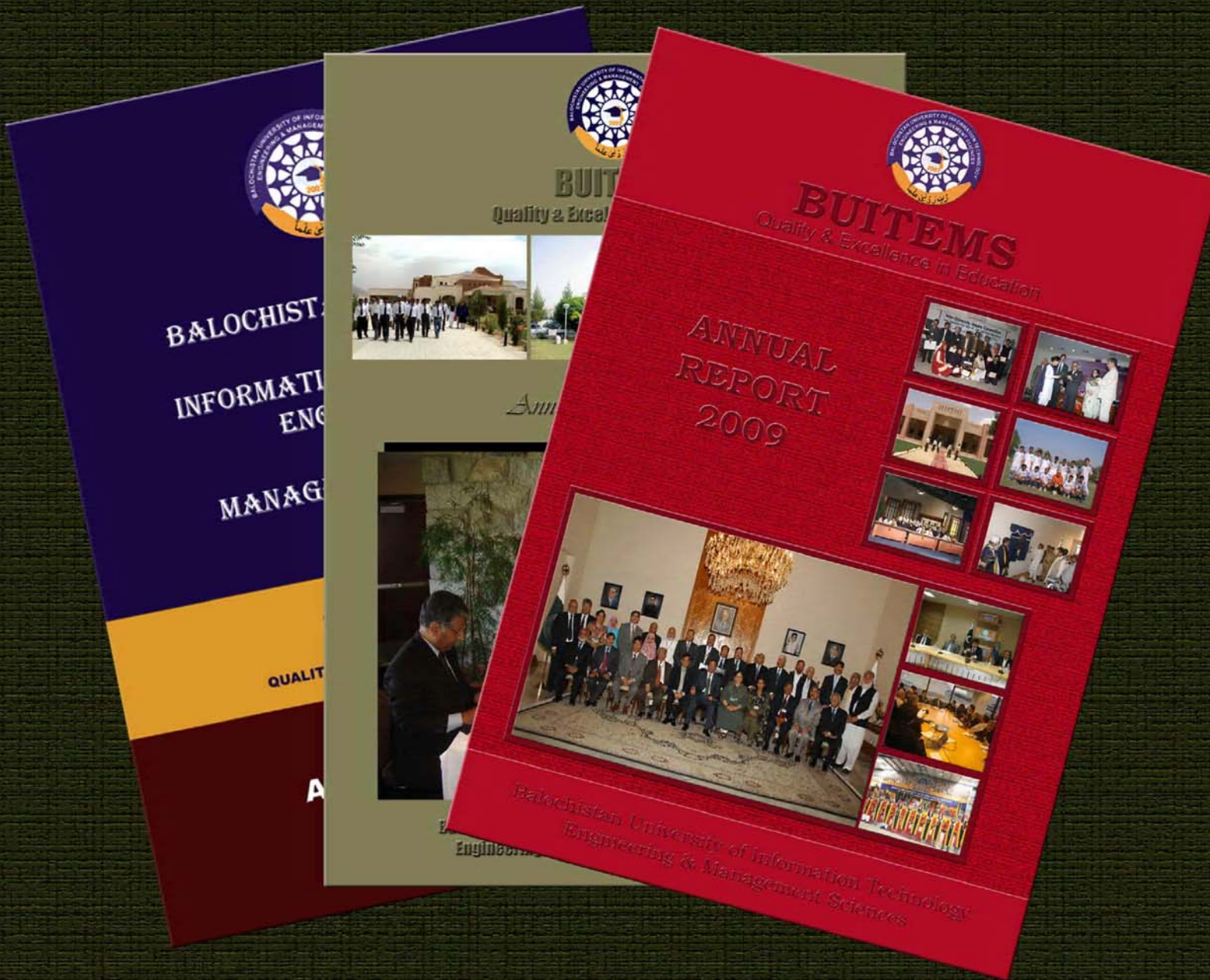
MS Students' Projects

S. #	Research Students	Title	Supervisor
1	Ms. Afroz Raees Khan	Effect of Light and Temperature on Seed Germination of Three Species of Labiatae	Dr M Saeed
2	Abdul Jabbar Sarpara	Study of Pendred syndrome by linkage analysis in families from Balochistan	Dr Jamil Ahmad
3	Mr. Naqeebullah	Different parameters regarding Alpha amylase production	Dr Agha Raza
4	Mr. Tariq Ahmad	Pathophysiological Destruction of Periodontal ligament status in Quetta city	Dr Agha Raza
5	Mr Mujeeb-ur-Rehman	Demineralized and decalcified aspect of Dental caries status in Quetta city.	Dr Agha Raza
6	Mr. Naseebullah Kakar	Study of Recessive Deafness locus DFNB1 through linkage study in families from Balochistan	Dr Jamil Ahmad
7.	Mr. Junaid Hamed	Computationally Analyzing and Estimating The Structure and Functional Sites of Human Dopamine Beta-Hydroxylase	Mr.Muhammad Hussain
8	Ghulam Muhiddin	Effect of Growth regulators on callogenesis and regeneration of Carnation (<i>Dianthus caryophyllus</i> L)	Dr M Saeed
9	Mr. Rafiullah Tareen	Study of Recessive deafness locus (USHC1) by linkage analysis in local population	Dr Jamil Ahmad
10	Ms. Asma Yousafzai	Optimization of Protocol to Enhance Micro propagation of Orientals for Botanical garden	Dr. Arsala Mansoor
11	Mr. Muhammad Asif	Scale up studies for the production of Extra cellular protease using <i>Bacillus</i> sp	Mr. Abrar H Khan

BS Students' Projects

S.#	Name	Title	Supervisors
1.	Abdul Saboor	Labour Policies in Pakistan: A Comparative Study	Prof. Barkat Ali
	Dawood Kakar		
	Mehreen Gul		
	Syed Azmatullah Shah		
2.	Muhammad Asad	The Impact of Feedback Environment on Employees	Mr. Abdul Raziq
	Adeel		
	M. Manzoor-ul-Hassan		
	Parksah Lal		
3.	Muhammad Saqib	The Impact of Downsizing on Financial Performance of PTCL	Mr. Aymen Sajjad
	Saima Batool		
	Salman Aziz		
	M. Talha Atique		
4.	Syeda Fatima Sajjad	Relationship of Emotional Intelligence to Work Related Variables	Mr. Babrak Ali Panezai
	Sana Ejaz-ul-Haq		
	Nasreen Noor		
	Asma Shahid Khan		
5.	Khurram Mehmood	Performance Evaluation of Mutual Funds in Pakistan From 2001-2008	Mr. Babrak Ali Panezai
	Syed Bashir Ahmed		
	Abdul Salam		
	Sami-ur-Rehman		
6.	Haji Khan Baloch	Comparative Analysis of Islamic and Conventional Mutual Funds: A Sample Based Study for Quetta City	Mr. Hadi Hassan Khan
	Naseebullah		
	Mukhtar Ali		
	Kaashan Rasheed		
7.	Abdul Manan	Causes of Karachi Stock Exchange Crises 2008	Mr. Hadi Hassan Khan
	Aisha Waheed		
	Sana Shabbir		
	Javaira Khalid		
8.	Sobia Ali	Non Financial Compensation Motivation and Satisfaction of Employees: A Study of Different Industries	Mr. Hadi Hassan Khan
	Rubina Mustafa		
	Hameeda Wahid		
	Akhtar Muhammad		
9.	Faiza Javed	Personnel Policies in Banks: A Comparative Study of Habib Bank Ltd and Standard Chartered Bank, Quetta	Mr. Muhammad Shah
	Fahad-ul-Ahmad		
	Muhammad Sabir		
	Naveed Ahmed		
10.	Sumaiya Abida	Effect of Time Management on Job Stress	Mr. Muhammad Shah
	Rahila Shabir		
	Farzana Koosar		
	Javed Bazai		
11.	Noor-ul-Haq	Microfinance and Its Impact on Small Enterprises Development in Quetta City	Arbab Naseebullah
	Hamdullah		
	Malik Khan		
	Muhammad Azam		
12.	Inayatullah	A Case Study of Local Support Organizations: Development of Linkages with State and Non State Agencies in District Mastung	Arbab Naseebullah
	Yasir Tareen		
	Khail-ur-Rehman		
	Kameel Ahmed		
13.	Qurat-ul-Ain	Domestic Violence Against Women in Balochistan	Arbab Naseebullah
	Tariq Ali		
	Ayesha Ali		
	Saira Batool		
14.	Sarmad Rehman	Customer's Convenience : A Journey Towards Digital Money	Mr. Bilal Sarwar
	Syed Ismail Shah		
	Naveed Baloch		
	Naseebullah		
15.	Mukhtar Ali	Comparative Analysis of Policies & Management Strategies Practices of BUIITEMS & UOB	Mr. Manzoor Brohi
	Mehmood Baryalye		
	Saima Ali		
	Qamar		
16.	Ayesha	Computer Forensic Investigation system (event based approach)	Mr. Muhammad Nadeem
	Sidra Ismail		
	Muhammad Hashim		
	Abdul Hameed		
17.	Hazrat Shah	Voice over IP System	Mr. Ehtisham Sajid
	Muhammad Zubair		
	Madeeha		

CATALYTIC COMPONENTS



BUIITEMS added several new components to its structure during 2009 to facilitate students and staff in addressing their academic and related issues; to provide them the latest and state of the art communication facilities; to increase their access to the latest research material and lectures delivered in national and international universities by well known scholars; to check plagiarism and bring their knowledge and skill at par with internationally agreed norms and to automate all the academic processes for efficient and quick access and delivery. Brief introduction of these components is given in the following paragraphs.

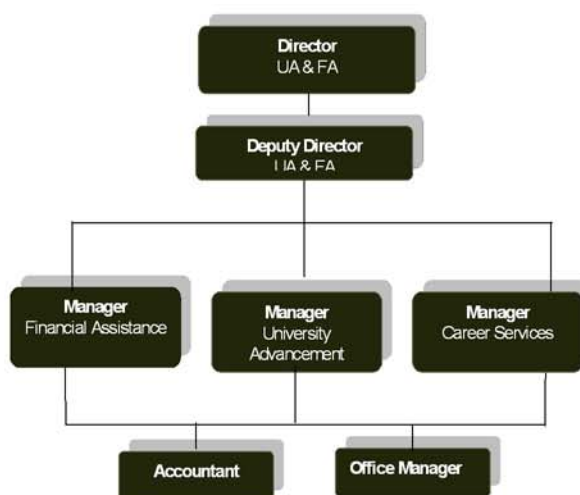
Directorate of University Advancement & Financial Assistance

Directorate of University Advancement and Financial Assistance (UA&FA) was established in 2009 for fostering mutually beneficial relationship based on fidelity and integrity with alumni, trusts/ foundations, corporate sector, international partners, officials, the media, and the general public to raise funds for advancement of BUIITEMS. The composition of the directorate is:

- ◆ *Director University Advancement and Financial Assistance*
- ◆ *Deputy Director University Advancement and Financial Assistance*
- ◆ *Manager Financial Assistance*
- ◆ *Manager University Advancement*
- ◆ *Manager Career Services*
- ◆ *Office Manager*
- ◆ *Accountant*

The directorate is striving to: cultivate close relationship with friends and supporters of BUIITEMS, raise funds to support and enhance the programs of BUIITEMS, provide financial assistance to needy students as a way to increase access to higher education, provide career counseling and other support services to students as they seek employment upon graduation.

Following offices are set up in New Block of Takatu Campus and are fully functional under the expert leadership of the Vice Chancellor.



Office of Students Financial Assistance

This office identifies resources and strategies for financial assistance and to assist students and their families with the application and award processes and to provide comprehensive services that are responsive to their needs. As it strives to provide various forms of financial assistance as a way to increase access to higher education, the OSFA employs management systems that support transparency, efficiency and accountability to the university and stakeholders.

University Advancement Office

This office presents to the public and to all stakeholders a clear, consistent and focused message about the university's mission, goals, priorities and performance that increase public understanding and support for improving the quality and effectiveness of academic programs, research, and services. The office is also responsible for the design, implementation and management of programs to raise funds for the university from sources other than the government of Paki-

stan, with particular emphasis upon the corporate sector, alumni, individual / private donors, and international partners.

Careers Services Office

This office supports students in their career decisions. The office also assists students through career counseling, workshops and support services that have been designed to work to their advantage as they seek employment upon graduation. This office is responsible for reaching out to potential employers for increasing the employment opportunities for students.

Directorate of Communication

The journey towards Directorate of Communication was started with realization of need for communication for fulfillment of teaching, research and education mission of the university. The University remodeled the Directorate of Publications in September 2009 and administratively reorganized its personnel to provide the initial staff for the directorate. Subsequently, new positions were added and people were recruited to fill them.

Communication is recognized as an important input for development to disseminate and create dialogue among different stakeholders about the technologies and issues pertaining to sustainable development. A humble beginning was made with establishment of video conferencing facility at Takatu Campus in 2009. Establishment of radio studio and procurement of television equipments are on the list of future plans. The Directorate aspires to have well developed infrastructure of radio program production, video production, photography and audio visual media. It operates in close collaboration with well trained faculty members and technical personnel of the Directorate of Information Technology.

Publication unit of this directorate disseminates useful information through print media. Quarterly magazine Newsletter is being published to disseminate information to different stakeholders regarding progress and achievements of the University. BUIITEMS newsletter is an effective medium of communication with universities and other organizations concerned with the academic affairs. It also serves as a chronicle of developments taking place in all spheres of the university life. Besides, a variety of other print materials like leaflets, brochures, reports, convocation booklets, newspaper supplements, media projection material and university prospectuses are also published by this unit.

The projection of the university activities and day to day developments, academic and co-curricular accomplishments on the web page of the university is also normalized by the directorate.

The information service of the directorate has major emphasis on, to reach the unreached, through dissemination of information about activities, programs, mission and goals of the university through radio, television, publications and the latest advances made in the field of information and communication technologies. Besides keeping the print and electronic media well- posted about the day to day activities and accomplishments of the university, BUIITEMS maintains website www.buitms.edu.pk, where all information regarding different aspects of the university is highlighted. Items of current interest are spot- lighted on the title of web page while particulars of all aspects of the university life are packaged under relevant headings. Public relations office of the directorate has been established for facilitating the media persons and improving communication about the university activities to general public and other stakeholders. This office sends press releases related to university functions/ programs, activities/achievements to various newspapers through fax and e-mail for publication in regional and national newspapers. The office maintains contacts

with representatives of the media and assists them in coverage of university news. It also maintains up-to-date information about the University news and events.



Directorate of Human Resource Development (HRD)

BUIITEMS has a comprehensive program for development of its human resources in domains including Engineering, Management Sciences, Information & Communication Technology, Life Sciences & Informatics, Arts and Basic Sciences.

Directorate of Human Resource Development (HRD) takes care of all issues pertaining to maintenance of records of academic progress / financial remittances for these scholars.

Presently sixty two faculty members have been awarded scholarships for MS and PhD studies in reputed universities of technically advanced countries like United Kingdom, United States, France, Germany, Korea, Australia, China, Sweden and New Zealand. Most of them are sponsored by Faculty Development Program of BUIITEMS and some have been either awarded Fulbright scholarship or sponsorship by HEC on qualifying the prerequisite test.

Eight faculty members from BUIITEMS proceeded for doctoral studies and one for MS degree during the year 2009. Details are given in the following table:

S#	Name of Scholar	Program	University
1	Liaquat Ali Channa	PhD	University of Georgia, USA
2	Ahmed Zeeshan Gul	PhD	Arizona State University, USA
3	Syed Munawar Shah	PhD	University of Otago, New Zealand
4	Zahid Majeed	PhD	University of Huddersfield, UK
5	Faisal Amir	PhD	State University New York, USA
6	Sarbeland Khan	PhD	University of Adelaide, Australia
7	Wajahat Maqbool	MS	University of Kassel, Germany
8	Abdul Raziq	PhD	University of Southern Queensland, Australia

The directorate arranges trainings for faculty and staff as well. One such training was conducted by Prof. Barkat Ali on "**Effective Teaching Methods**" in June 2009 in the auditorium of City Campus.



Additionally Directorate of HRD takes care of Desktop Publishing (DTP), layout and design of all publications.

Cisco Local Academy

The Faculty of Information & Communication Technology established the Cisco Local Academy in the new academic block of Takatu campus in 2009. The academy has state of the art Cisco equipment (Routers and Switches), which are essential for CCNA and other short courses related to the field of Networking.

The Faculty has already announced the admissions for first batch of CCNA, and will continue its efforts to benefit the University students and other professionals of Balochistan. In Cisco Local Academy the participants will have benefits like: hands on working knowledge on Routers and Switches, access to quality training material (online and printed), interaction with certified Instructors, and discounted vouchers for the online CCNA exam.

Anti-Plagiarism Service (turnitin)

HEC introduced Anti-plagiarism service turnitin (<http://www.turnitin.com>) in 2009. Directorate of Quality Assurance HEC created accounts of 60 universities, assigned IDs and provided access to Turnitin to all the focal persons nominated by the Universities in June 2009. HEC provided passwords to administrators (focal persons) for logging in and learning step by step start up process. Access to a movie was also given for watching before getting started along with a link for Manual and Quick Guide (<http://www.turnitin.com/static/training.html>).

BUIEMS formed a team comprising of one representative from each faculty headed by the administrator turnitin BUIEMS.

BUIEMS team attended two trainings on use of anti-plagiarism service (Turnitin), in the recently established video conferencing room at Takatu Campus of BUIEMS. These trainings were imparted by Directorate of Quality Assurance HEC, first on July 07, 2009 through WebEx from USA and second on July, 21, 2009. Both trainings were given through video conferencing. Further guidance was provided by Abigail Allen Turnitin / iParadigms Oakland.

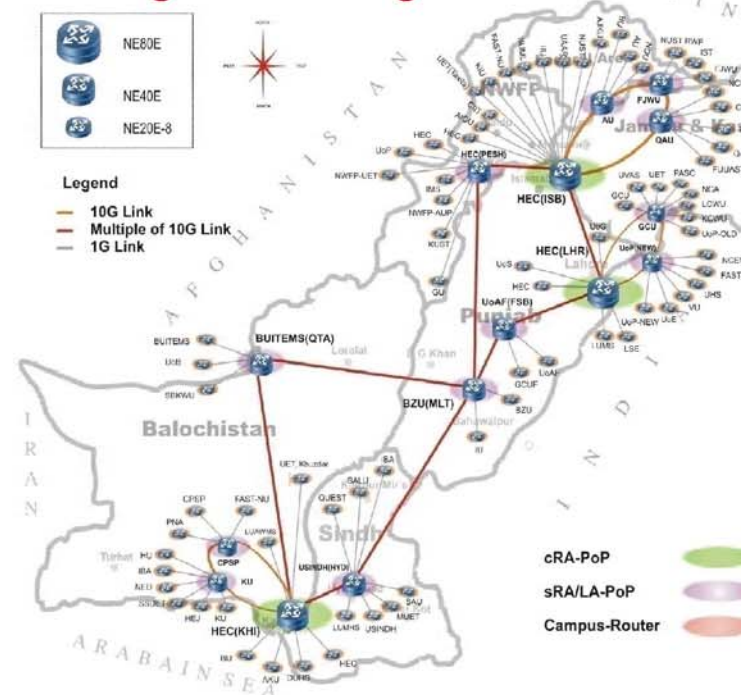
BUIEMS turnitin team assisted instructors of their respective faculties in creation of turnitin accounts and the instructors used this service for checking term papers and reports of students for plagiarism during semester Fall 2009. BUIEMS instructors and scholars will make more effective use of this service in forthcoming semesters for eradication of plagiarism.

PERN-II

PERN-II is a high speed multi-gigabit dedicated network for universities/institutes/ research centers of Pakistan, for

addressing the limitations of existing network by fulfilling the requirements of emerging technologies for today's and future applications and research requiring high bandwidth. BUIEMS is POP (Point of Presence) of PERN-II in Balochistan

PERN II High Level Design



PERN-II Scope:

- ◆ Network up-gradation through:
- ◆ Eight (8) Regional Access (RA) PoPs in major cities
- ◆ Three (3) Core Regional Access (cRA-PoPs)
- ◆ Five (5) Sub Regional Access (sRA- PoPs)
- ◆ Twelve (12) Local Access (LA) PoPs
- ◆ 1 Gbps connectivity to universities / institutes
- ◆ 10 Gbps fiber rings in Karachi, Lahore and Islamabad
- ◆ 10x Gbps nationwide fiber link
- ◆ 2.5 Gbps Commodity Internet
- ◆ 155x Mbps R&E link to other NRENs of the world.

Services offered through PERN-II

- ◆ High speed network for scientific research, viz. Grids, simulation, computation, etc.

- ◆ *Infrastructure for local hosting for fast and reliable electronic communication*
- ◆ *Access to international digital resources through high speed internet*
- ◆ *Closed loop secure connectivity to parent university/ institute.*
- ◆ *Access to video conferencing program of HEC and VU.*
- ◆ *Voice over IP enabled network providing end-to-end IP communication*
- ◆ *National Digital Library*
- ◆ *E-Books.*
- ◆ *Pakistan Research Repository.*
- ◆ *Access to mirrored sites locally hosted for easy and fast access.*

University of Information Technology, Engineering and Management Sciences was formally inaugurated by Nawab Zulfiqar Ali Magsi, Governor Balochistan and Chancellor, BUITEMS on June 17, 2009 at the Takatu Campus. Prof. Dr. Sohail H. Naqvi, Executive Director Higher Education Commission, participated from Islamabad in the ceremony via video-conferencing facility and communicated with the members of BUITEMS Senate through video conferencing and appreciated the tireless efforts of the management. He mentioned that BUITEMS was amongst the leading public sector universities of Pakistan provided with the video-conferencing facility by the HEC with compatible equipment and tools. He thanked the Honorable Chancellor for his strenuous efforts for the promotion of higher education in the province.

Video Conferencing Facility

The newly constructed, sophisticatedly furnished and fully equipped Video-Conferencing Hall of the Balochistan

Nawab Zulfiqar Ali Magsi thanked the Executive Director of the HEC for patronizing support extended by him to the university. He optimistically stated that with the provision of the video-conferencing facility, the students of Balochistan would be able to



benefit from the lectures of eminent professors from all over the world. The Vice Chancellor stated that very soon, with BUIITEMS acting as the hub, other universities would be provided with a fiber optic connection. He said that all the universities of HEC would be able to come in closer association with each other and also benefit from teachers outside Pakistan.

Daycare Centre at BUIITEMS

Child care is a constant source of worry for working mothers. BUIITEMS has established a proper Daycare Centre for looking after the young children of faculty and staff during University timings.

Daycare Centre became operational in April '09. The Vice Chancellor Engr. Ahmed Farooq Bazai visited the centre and appreciated the efforts of the teachers who worked hard for its establishment.



Campus Management Solution (CMS)

The installation of Campus Management Solution has provided the institution with the facility of streamlining process, reducing operations and consolidating information into one Database, thus eliminating or minimizing the need for departments to maintain shadow systems. CMS usage at

BUIITEMS was about 42% till December 2009, which in comparison with most universities is a commendable accomplishment.

The user accounts were opened in 2009 and special sessions were arranged for the faculty members to enter the historical data of the students. Fall 2009 admission process was partially taken up by the admission department while particulars of all the students were entered in the CMS. Faculties completed the scheduling and enrollment and marked the mid and final term scores in the system, which enabled the Controller of Examinations to declare the Fall 2009 results online.



INTELLECTUAL GROWTH



Advanced Diploma Program in Teaching English as a Foreign Language (ADP-TEFL 2008-2009)

Teacher education is important to the development of quality-education standards. In this regard BUIEMS has always been supporting its faculty members to enhance their personal and professional capabilities through teacher development programs. Ms. Sadiqa Ramzan, Lecturer in English, BUIEMS attended the Advanced Diploma Program (ADP) in Teaching English as a Foreign Language (TEFL) in Higher Education.

It was a one-year program, designed by the Aga Khan University's Centre of English Language, aimed at improving the standard of English language teaching in Pakistan and providing participants with a comprehensive understanding of the theoretical and practical foundations of language teaching.

The program commenced in September 2008 and was completed in August, 2009. It focused on equipping professionals with the

skills to contextually apply theory to practice in classrooms. The program engaged participants in critically reviewing and analyzing issues and challenges currently confronting English language teachers in Pakistan.

Pakistan's Higher Education Commission (HEC) has been supporting this teacher-education initiative through making fellowships available for teachers working in public sector colleges, universities and other higher education institutions. Ms. Sadiqa Ramzan Ali completed the One-Year diploma program with commendable success.

The program adopted a learner-centered approach to encourage self-directed learning. The strategies used to attain learning outcomes included micro-teaching, seminar participation, workshops, panel discussions, interactive lectures and presentations. Participants were also encouraged to engage in literature searches through the use of books, journals and online sources.



Study tours are important for intellectual growth of students while seminars and work shops are vital for promotion of research and skill development of teacher and taught both. During 2009, BUITEMS conducted several workshops and seminars in collaboration with stakeholder organizations and invited experts in different fields to share their experiences and knowledge with academia of BUITEMS. Following paragraphs give bird's eye view of study tours, seminars and workshops held in 2009.

Study Tours

Department: Telecom Engineering
Class: BS (Telecom Engineering)
Dates of tour: Dec 29, 2008 to Jan 6, 2009
Visit paid to: PTCL Exchange, ZTE, SUPARCO, PTV Centre, NCA, University of Punjab, National Museum, Wahga



Department: Electronic Engineering
Class: BS (Electronic Engineering)
Dates of tour: February 14-24, 2009
Visit paid to: Dawood Hercules, Albario Engineering, Northern Power Generation Co., Packages Limited, University of Punjab



Seminars

Theme:	Performance Appraisal
Organized for:	BS (BA) 5th A
Held on:	Jan 17, 2009
Resource Person(s):	Mr. Anwar Dotani, Mr. Talha Yousaf & Mr. Mehboob Ul Haq.
Organized by:	Bank Alfalah & the Faculty of Management Sciences
Coordinator:	Ms. Tayyaba Akram
Guest of Honor:	Dr. Maqsood Ahmad



Theme:	Compensation
Organized for:	BS (BA) 5th B
Held on:	Jan 19, 2009
Resource Person(s):	Mr. Masud Bin Ayub (HBL), Mr. Babur Khan (Warid)
Organized by:	Faculty of Management Sciences
Coordinator:	Ms. Tayyaba Akram
Guest of Honor:	Dr. Maqsood Ahmad



Theme: **Business Work Ethics**
Organized for: BS (BA) 8th A
Held on: Feb 11, 2009
Resource Person(s): Mr. Masud Bin Ayub (HBL),
 Mr. Wasiullah Gandapur (PTA)
Organized by: Faculty of
 Management
 Sciences
Coordinator: Mr. Muhammad Shah Khan



Theme: **Role of BUITEMS in Peace Making Process**
Organized for : Faculty and staff BUITEMS
Held on: April 15, 2009
Resource Person(s): Engr. Ahmed Farooq Bazai
Organized by: BUITEMS
Guest of Honor: Dr. M.A.K Malghani



Theme: **Scope and Utility of Psychology in Present Age**
Organized for: BS (Psychology)
Held on: May 7, 2009
Resource Person(s): Dr. Rahim Barakzai (Mental Health Specialist)
Organized by: Faculty of Arts and Basic Sciences
Coordinator: Mr. Aziz-u-din Agha

Theme: Role of Youth in Peace Making
Organized for: Students and faculty
Held on: May 9, 2009
Resource Person(s): Ms. Sabiha Shaheen (BARGAD), Mr. Majid Nawaz (QUILLIAM)
Organized by: BARGAD-an NGO and BUIEMS
Guest of Honor: Engr. Ahmed Farooq Bazai



Theme: The Banking Sector of Pakistan in Current Era
Organized for: MBA (Finance)
Held on: June 4, 2009
Resource Person(s): Mr. Sanaullah Khan (Bank Alfalah)
Organized by: Faculty of Management Sciences
Guest of Honor: Dr. M.A.K Malghani



Workshops

Topic:	Entrepreneurship- Understanding the Process
Organized for:	Senior Students of MBA
Held on:	January 20, 2009
Resource Person(s):	Mr. Muhammad Bilal Khan
Organized by:	Career Planning and Counseling Unit BUIITEMS and SMEDA
Coordinator(s):	Mr. Ali Khan (SMEDA)
Guests of Honor:	Engr. Ahmed Farooq Bazai, Dr. M.A.K. Malghani



Topic:	Effective use of HEC Digital Library
Organized for:	Students, faculty and staff
Held on:	March 18, 2009
Resource Person(s):	Mr. Hassan Zaidi (HEC)
Organized by:	HEC and BUIITEMS
Coordinator(s):	Mr. Mohammad Nadeem



Topic:	Research Methodology
Organized for:	University teachers
Resource Person(s):	Mr. Tariq Mehmood, Ms. Ayesha Manzoor, Ms. Anila Zafar, Ms. Batool
Held on:	March 28-30, 2009
Resource Person(s):	Prof. Dr. Naheed Zia Khan
Organized by:	UoB
Coordinator(s):	Mr. Ahmad Shah Durrani

Topic: Vacuum Science & Technology (NINVEST Workshop)
Organized for: Physics teachers
BUITEMS Participants: Dr. Shoaibullah Khan
Held on: April 6-10, 2009
Resource Person(s): From NINVEST
Organized by: Pakistan Atomic Energy Commission, Kahoota Research Laboratories



Topic: Mind Sciences
Organized for: students of BUITEMS
Held on: June 3, 2009
Resource Person(s): Engr. Ahmed Farooq Bazai
Organized by: Directorate of Students' Affairs, BUITEMS
Coordinator(s): Mr. Ahmed Shah Durrani



Topic: Professional Skills Development
Organized for: Students of BS (BA) (HRM)
Held on: July 15, 2009
Resource Person(s): Mr. Arbab Naseebullah Kasi
Organized by: Faculty of Management Sciences
Coordinator(s): Mr. Muhammad Shah Khan



Topic: Assessment & Testing
Organized for: University Teachers
BUIITEMS Participants: Ms. Asma Yousafzai , Engr. Shanila Azhar, Ms. Attiya Shoaib, Engr. Maria Ayaz, Ms. Khalida Durrani
Held on: November 10-13, 2009
Resource Person(s): Mr. Abid Sohail, Dr. Amin Rehmani, Dr. Tauseef Lateef (AKU)
Organized by: HEC, AKU and SBKWU



Topic: Effective Teaching Methods
Organized for: Faculty members
Held on: June 25, 2009
Resource Person(s): Prof. Barkat Ali
Organized by: BUIEMS
Coordinator(s): Dr. Maqsood Ahmad
Guests of Honor: Engr. Ahmed Farooq Bazai



Topic: Human Rights
Organized for: Students, faculty and staff
Held on: March 18, 2009
Resource Person(s): Mr. Pervez Iqbal (WESS), Mr. Barkat Shah (UoB)
Organized by: WESS and BUIEMS
Coordinator(s): Mr. Ahmad Shah Durrani
Guests of Honor: Ms. Roshan Khurshid Bharucha, Ms. Raheela Durrani



CONFERENCES



International Conference on Managing Creativity and Innovation 2009

A paper titled "*Managing Innovation in the UK and Pakistan Banking Sectors-Analysis of Flexibility and Employee Empowerment*" by Zahid Majeed and Sajida Raza of Faculty of Management Sciences was accepted for the International Conference held at the Institute of Management Technology Ghaziabad, India on January 9- 10, 2009. The paper was published in the conference proceedings.

4th World Conference on 21st Century Mathematics, 2009

A wide range conference in Mathematical Sciences was organized from March 4-8, 2009 at GCU, Lahore in collaboration with the International Mathematical Union (IMU) the European Mathematical society (EMS), Abdul Salam International centre for theoretical Physics (ICTP) and National Center for Mathematics (NCM), Government College University, Lahore, under the sponsorship of HEC. The conference aimed at providing a platform for an academic interaction of national mathematicians / scientists to open new horizons in areas of concrete and useful research.

Forty eminent mathematicians/ scientists from world-renowned foreign university participated in the conference. Eminent mathematicians from Pakistani University found the opportunity of sharing their research with the world mathematicians' community. Papers written by Dr. Mohammad Nawaz and Dr. Ansaruddin Syed, another eminent mathematician from BUIITEMS were accepted for presentation at the conference. Dr. Mohammad Nawaz, Dean Faculty of Arts and Basic Sciences BUIITEMS was also a member of the National Organizing Committee for the conference.

National Conference on Public-Private Partnerships for Higher Education in Pakistan

Higher Education Commission Financial Aid Development (HEC-FAD) program which aims at providing technical assistance to 11 partner universities (including BUIITEMS) in financial aid and fund raising; organized a two day National Conference on public-private partnerships for Higher Education on May 25-26, 2009. The agenda focused on improving quality and increasing access to higher education.

There were two workshops and a special session on May 25, 2009. Engr. Ahmed Farooq Bazai Vice Chancellor BUIITEMS was the moderator for the workshop titled "*Options for Financial Aid Development: Challenges for Implementation*". The second workshop was moderated by Dr. Javaid Laghari President SZABIST. Theme of the workshop was "*University Development and Fund Raising*". On May 26, 2009 the Higher Education Commission Financial Aid Development (HEC-FAD) program was publicly launched.

The conference was followed by a workshop on "*Writing Effective Proposals for Fund Raising*" on May 27, 2009. The Vice Chancellors and senior representatives of 11 universities attended this workshop. BUIITEMS team was led by the Vice



Chancellor Engr. Ahmed Farooq Bazai; other members of the team were Dr. Mohammad Nawaz and Engr. Ali Asghar.

BUITEMS Represented at Young Leaders Conference

The Young Leaders Conference (2009) was held at Karachi Sheraton from 1st-6th of July, with a congregation of about 300 young and vibrant participants from various parts of the country. The theme of this year's conference was "*Living Life*". A batch of ten students from BUITEMS represented Balochistan at the conference. The conference was inaugurated by the Sindh Minister of Information, Ms. Shazia Marri on the 1st of July, 2009. The proceedings of the conference were spread over a span of six days with a distinct theme for each day. The themes were:

- ◆ *Living Life*
- ◆ *Understanding Myself*
- ◆ *Entrepreneurship and Inter-Cultural Leadership*



- ◆ *Political Development*
- ◆ *Science & Technology*
- ◆ *Goal Setting for Life.*

Mr. Faizan Hassan, a student of Business Administration at BUITEMS was invited to address YLC as a guest speaker from Balochistan and had a session titled "*How I Made It Big*" on the 2nd Day of YLC.

Annual Technical Conference, 2009

The Annual Technical Conference 2009 structured by the Society of Petroleum Engineering (SPE) and the Pakistan Association of Petroleum Geologists (PAPG) was held on November 17-18, 2009 in Islamabad. Fifteen (15) papers by students from six institutions of Pakistan were presented at the Student Paper Contest. Ms. Rubbia Majeed represented BUITEMS as the only student from Balochistan. Her paper on "*Optimizing the HC Recovery along with CO₂ Storage*" dealt with a burning concern of the present day industry. Ms. Rubbia Majeed was awarded 3rd prize and her paper was selected for the Society of Petroleum Engineers Sub Regional Student Paper contest at Mehran University of Engineering and Technology, Jamshoro.





125th Anniversary of IEEE & Pakistan Student Congress 2009

IEEE Celebrated its 125th Anniversary on May 13, 2009. Office bearers and members of IEEE BUIITEMS SB participated in the Pakistan Student Congress organized by IEEE Islamabad section on May 29-30, 2009 at NUST.



TRAINING COURSES



Participation in Linux Administration Training Course Organized by PSEB

Pakistan Software Export Board organized a training course on Linux Administration in Quetta. The course commenced in mid March 2009 and continued for about two months. Twenty nominees from different public sector organizations in Balochistan including the following faculty and technical staff from BUIITEMS were selected for the training.

- ◆ *Engr. Shah Marjan*
- ◆ *Engr. Shanila Azhar*
- ◆ *Engr. Wajiha Iftikhar*
- ◆ *Engr Waheeda Jabbar*
- ◆ *Mr. Mukhtar Hussain*
- ◆ *Mr. Qazi Arif*
- ◆ *Syed Sajjad Hussain*
- ◆ *Mr. Atiq-ur-Rehman*
- ◆ *Ms. Attiya Shoaib*
- ◆ *Ms. Sadaf Raiz*
- ◆ *Mr. Mohammad Hussain*

Linux administration is one of the mandatory skills for computer scientists and engineers today.

munication skills, Curriculum development, Microteaching, use of ICT, English Language Teaching, Personal and Professional grooming, Research Methodology, and Digital library.



11th Faculty Professional Development Programme at HEC

A three month training program titled "*11th Faculty Professional Development Programme (FPDP)*" was held by Learning Innovation Division (LID) at HEC, Islamabad. Thirty one participants from different universities of Pakistan participated. BUIITEMS was represented by Ms. Imrana Niaz Sultan (Lecturer Faculty of Biotechnology & Informatics) and Eng. Shanila Azhar (Lecturer Computer Engineering Department). The program commenced on April 21, 2009. The participants were given training in; teaching as a profession, Com-

Awareness Session of Red Crescent/ Red Cross Society on the Mobilization of Youth

The Directorate of Students Affairs, BUIITEMS in collaboration with the Pakistan Red



Crescent Society (PRCS) organized an awareness session on June 11, 2009 at the city campus auditorium, BUIITEMS. The session conducted by the Director Student Affairs, Mr. Ahmad Shah Durrani enlightened about various co-curricular activities being held at BUIITEMS under the auspices of Directorate of Student Affairs. Assistant Director PRCS Balochistan, Ms. Rubina Saeeda Shahwani introduced the Red Crescent. An animated movie of the seven principles of Red Cross Society namely humanity, impartiality, neutrality, independence, voluntary service, unity and universality was shown.

CCNA Instructor Training Course

A ten day CISCO Certified Network Associate (CCNA) Instructor's Module 1&2 training course was organized by PTCL's Cisco Regional Academy, Islamabad from August 17-28, 2009. Faculty of ICT, BUIITEMS nominated two faculty members (Ms. Saima Gul & Engr. Shahrukh Rayaz) for the said training course. The training was delivered by Mr. Mohammed Nasir Majeed and Ghulam Abbas Malik.



Youth Leadership Development Course-2009

The Centre of Civic Education Pakistan (CCEP) with support from National Endowment for Democracy (NED)

arranged a three day Youth Leadership Development Course titled "*YOUTH Must Reclaim Pakistan*" from 24th to 26th July 2009 at Embassy Inn, Karachi. Three students M/S Sameen Khan, Muhammad Naeem Shad and Misri Khan represented BUIITEMS. M/S Sameen Khan, Misri Khan and Muhammad Naeem gave presentation on Media Liberty & Literacy.



Electronic Design Automation (EDA) Tools Training in Singapore

The Electronic Design Automation (EDA) Tools training took place in Singapore from August 31 to September 11, 2009. The training was organized by HEC at the training centre of Mentor Graphics Asia Pvt. Ltd., Singapore. The participants from Pakistan in this training were from MUET, QUEST, BUETK, NEDUET, BUIITEMS and Rastek Technologies. Engr. Arsalan-ul-Hq and Engr. Muhammad Taimoor from BUIITEMS took part in the Training. The training was divided into three sections of IC Design Flow with IC studio, PCB Customized Training and FPGA Advantage.





VISITS



VISITS TO BUIITEMS

German Ambassador Visits BUIITEMS

Balochistan University of Information Technology, Engineering and Management Sciences has been visited by eminent foreign diplomats and scholars. One such visit by a diplomat was by Dr. Michael Coch, the German ambassador to Pakistan on March 13, 2009. His visit to the university was of special significance, as besides being a diplomat he is renowned as a distinguished scholar of International Law.

On this visit, Dr. Michael Coch was accompanied by German Consul General, Karachi Mr. Christian Breech and Honorary Consul General, Quetta Brig (R) Abdul Razzaque Baloch. The delegate was accorded a warm welcome on their arrival at the City Campus. After formal introduction with the senior faculty, the delegation was given a briefing by the Vice Chancellor, Engr. Ahmed Farooq Bazai. This briefing was held in the university auditorium where the Deans of Faculties, Departmental Chairmen, Directors,

members of the administrative staff and students were present. The Vice Chancellor emphasized the rapid rise of the six years old university into a reputed national institution which has established linkages with prominent universities of the world. This premier institution has the services of 60 foreign qualified scholars and doctors. The modern and well-equipped laboratories of the university are unique in the province and the students and staffs of the university are engaged in the task of extending the boundaries of knowledge through their intellectual and industrious research. Engr. Ahmed Farooq Bazai expressed the desire of strengthening the ties of staff and students exchange with the German Universities. Some of our students are already



registered with German Universities for higher studies. Collaboration in research activities can further build up our relations. His Excellency the Ambassador was optimistic that students and staff exchange program would open fresh vistas of learning and research for scholars from both the countries and this would give a boost to the promotion of knowledge and mutual understanding. Education serves to provide guidance in all spheres of life and we can progress more through intellectual development of the people than through material resource build up. He showed his willingness to collaborate in the educational and research ventures undertaken by the students and staff of the university. He acknowledged BUIITEMS was doing remarkably well in meeting the challenges of the modern age through the provision of education in modern technology.

French Ambassador Visits BUIITEMS

BUIITEMS is rapidly growing in stature as a notable seat of higher education and is able to catch the eyes of distinguished visitors to the provincial metropolis. It was on April 27, 2009 that H. E. Daniel Jaunneanou, the Ambassador of France to Pakistan arrived in Quetta on an official visit. He made it a point to visit the Balochistan University of Information Technology, Engineering and Management Sciences on priority basis. He was accompanied by the Honorary Consul General of France in Balochistan, Brig (R) Abdul Razzaque Baloch. The guests were given a warm welcome on their arrival at the City Campus and were escorted directly to the auditorium for an exchange of ideas with students and faculty members. In his key

address to the audience, His Excellency the Ambassador made it clear that his visit to Balochistan was for listening and learning. He was keen to foster closer relations with Balochistan and asserted that he had given priority to BUIITEMS, faith in which is shown by great universities like Simon Fraser University, Vancouver by establishing linkage with it. Stating his government's policy, he made it clear that France has deep respect for Islam. A large Muslim community there, is well-integrated in the French cultural set up. He proudly referred to the presence of a Muslim minister on the French Cabinet. "French people have great regard for moral and aesthetic values and are firm practitioners of human rights" he said. The Honorable Ambassador mentioned that the 21st Century is an age of big mutual interest groups and future is for big regional groupings and alliances. He stated that the geographical location of Pakistan made this country a place of pivotal importance in international affairs. *"Strategically Balochistan can benefit immensely from the prospective groupings. The French institutions of higher learning offer brilliant prospects of intellectual growth. French language is a valuable asset which can be profitably marketed in the new emerging scenario"*. He concluded his address with the remark that *"France is a fantastic mosaic of culture and activity."* A lengthy question and answer session followed the Ambassador's address during which important cultural, ideological, educational and cooperation issues were taken up. Dr. M. A. K. Malghani, Pro Vice Chancellor, BUIITEMS, in his concluding speech eulogized the Ambassador for his broad-minded approach to the issue of cultural diversity and thanked him for making the visit to this institution a part of his tinerary.



Provincial Minister Ms. Rahila Durrani Visits BUIEMS

The Balochistan University of Information Technology, Engineering and Management Sciences has the distinction of being singled out by eminent state functionaries for their interest and visits. One such visit took place on May 20, 2009 when the provincial minister for Prosecution, Ms. Rahila Hameed Khan Durrani, visited the Takatu Campus of the university. She was received and welcomed by the Vice Chancellor, the Pro Vice Chancellor, the Deans, Directors and the Registrar. She was taken on a round of the campus, where immense development activities are going on.

On her visit to the scientific and digital laboratories, she was highly impressed to see the latest equipment and facilities available for the students and the faculty members. She commented with appreciation that untiring efforts of all had borne fruit in the form of recognition of the university as one of the best institutions of higher education in the country. She congratulated the Vice Chancellor on the enlistment of BUIEMS by Pakistan Engineering Council among the registered engineering universities. She assured the university authorities of her cooperation in maintaining the tempo of development and exhorted other fellow ministers to extend support to BUIEMS for sustainable growth.



HEC Team of Consultants Visits BUIEMS

Mr. Anwar Amjad DG IT Directorate, HEC and his team paid a visit to the Data Centre of BUIEMS on June 12, '09. In his meeting with the Vice Chancellor, Engr. Ahmed Farooq Bazai, the team discussed the development of: Campus Management System, PERN 2 and Video Conferencing.

The Vice Chancellor praised the role of HEC in strengthening the Higher Educational Institutions in Balochistan. He added that with commendable support of HEC, the Data Center would definitely strengthen the institution with BUIEMS as a hub. Director NIC, Higher Education Commission Mr. Pervaiz Khan, Web Designer Ms. Aneela Naseem, Pro Vice Chancellor Dr. M A K Malghani, and the prominent officers from BUIEMS were also present at the meeting of the Vice Chancellor with the HEC experts.



Balochistan Public Service Commission Members Visit BUIEMS

The chairman and members of the Balochistan Public Service Commission were highly impressed by the educational faculties provided to the students at BUIEMS, when they visited the Takatu Campus of the university on June 4, 2009. The delegation

comprised Maj. (R) Fazil Durrani, Chairman BPSC, Mr. Mohammad Ayub Baloch, Syed Abbas Shah, Mr. M. Ashfaq Magsi, members BPSC and Mr. Khalid Anwer, Secretary Balochistan Public Service Commission.

Tracing the history of the rapid development of BUITEMS, the Vice Chancellor Engr. Ahmed Farooq Bazai intimated that the BUITEMS had recently been included in the list of recognized Engineering Universities by the Pakistan Engineering Council. This is a development of vital importance. He pointed out that various other components of the university are also contributing to the growth and development of the university.

The Training and Development Sector has been catering to the needs of all the four basic pillars of the university i.e the students, the faculty, the curriculum, and the educational facilities. The Quality Enhancement and Accreditation Directorate ensures that international standards are applied for measuring the capabilities and performance of the faculty and updating the educational facilities according to the demands of the 21st Century.

The delegation observed the developmental leaps taken by the university in technological applications. The Campus Management Solution and Video Conferencing facility installed at the University were viewed with keen interest by the visitors. The delegation also visited the Directorate of Information Technology, Owais Ahmed Ghani Hall, the library, the CAD/CAM laboratory, and other sections.



The Balochistan Public Service commission Chairman Maj. (R) Fazil Durrani eulogized the services being provided to the students by the University and remarked that the ever-demanding technical, social, political and economic challenges of the contemporary times make imperative for the students to equip themselves with latest knowledge in every field. He admired the enthusiasm and dedication of the university administration, the faculty and the students in revolutionizing the concept of education in the province.

Re-Accreditation Visit of PEC for Computer Engineering /Electronics Engineering Departments, BUITEMS

A three member team of Pakistan Engineering Council visited the Balochistan University of Information Technology, Engineering & Management Sciences on July 20-21, 2009 for re-accreditation of Computer Engineering / Electronic Engineering programs. The team comprised the following experts:

- ◆ *Engr Prof Dr A.R Memon Convener/ Expert Electronics/ Member EA/ QEC/ Ex-Vice Chancellor MUET Jamshoro*
- ◆ *Engr. Prof Dr Mukhtar Ali Member/ Expert Electronics / CE*
- ◆ *Engr Abdul Wahab Member/ Deputy Registrar PEC, Quetta.*

The team called on the Vice Chancellor who welcomed and briefed them about the latest developments at the university. Chairman (EE) and Chairman (CE) gave presentations to the team of their departments' activities and performance. Later, the team paid a detailed visit to the Administration Block, Laboratories, Class-rooms, Library, Blue-Chip lab, CAD/CAM lab, Expo-Center etc.

The PEC team recommended accreditation for two (02) years for 2005 and 2006

batches of BS-Computer Engineering and BS-Electronic Engineering. The outstanding issue of accreditation of 2002 batch of BS-Computer Engineering was also resolved and this batch was also recommended for accreditation.

Director Bait ul Mal, Balochistan Visits BUIEMS

BUIEMS, with her policy of providing educational opportunities to all segments of the society, keeps looking for the avenues of assistance from all possible sources. In this respect the provincial Bait-ul-Maal authorities were contacted for coming forward in providing monetary aid for deserving students from Bait-ul-maal Pakistan.

A team of officers comprising Director, Bait-ul-Maal, Mr. Khwaja Owais Adil, Deputy Director Bait-ul-Mal, Qazi Saeed, Dr Ratan Kumar, and Director Bait-Ul-Maal Islamabad visited the university and met the Vice Chancellor. Director Bait-ul-Maal appreciated the role of BUIEMS in building up the zeal of students for seeking knowledge and capacity building of teachers for propagating knowledge at the higher level.

The Vice Chancellor, Engr. Ahmed Farooq Bazai, while talking to the visiting delegation, stated that the provision of assistance to the deserving students would go a long way in their future building and would help them play their role in bringing prosperity to the country.

The team presented a cheque for Rs.666,000/- for the assistance of deserving students to the Vice Chancellor and expressed their fullest satisfaction at the educational achievements of BUIEMS in providing an opportunity to the students of Balochistan to acquire higher education. They pledged their continued support to the needy students.

Visit of Afghan Consul General

BUIEMS holds the honour of being the premier seat of learning in Balochistan, catering to the academic needs of not just the students from this region but a substantial number of international students including Afghan nationals.

The Consul General of Afghanistan paid a visit to the university and met the Vice Chancellor, Engr. Ahmed Farooq Bazai. He expressed his satisfaction over the quality of education being imparted to the students at the university and the cutting edge research facilities that equip the students with resources that enable them to achieve new heights.

He also pointed out that collaboration in the field of education can bring better results and the large number of Afghan students at the university is proof enough of the trust in the institution.

BUIEMS has played a pivotal role in the advancement of education in the province and its neighbouring areas. The Consul General expressed satisfaction over the academic atmosphere of the university. Pro VC Dr. M.A.K Malghani and prominent members of the faculty were also present on the occasion.



Delegation from American Consulate General Visits BUITEMS

A five member delegation led by Dr. Elizabeth Colton, Chief Public Affairs Officer, American Consulate General, Karachi made their visit to BUITEMS a prominent part of their visit to Quetta. On their arrival at the university on December 10, 2009, the delegation was received by the Vice Chancellor and the Pro Vice Chancellor. The delegation paid rich tributes to the university authorities and faculty members on providing world-class educational facilities and academic environment to the students.

The delegation was escorted to the syndicate room of the City Campus where they were given a briefing by Engr. Ahmed Farooq Bazai, Vice Chancellor BUITEMS. Salient features of development and future growth plans of the university were specifically highlighted during the briefing. Dr. Elizabeth Colton, who was professionally engaged in teaching Mass Communication, prior to her joining US diplomatic services, expressed willingness to support all endeavors undertaken for the promotion of education in Balochistan. She showed keen interest in the proposed Nanotechnology project of BUITEMS, owing to the immense scope of this technology in the global advancement of industry. She expressed her firm belief that quality education is the sole means of raising the position of Pakistan in the global comity. On her 4th visit to Quetta, she could well

anticipate glimpses of development in the region in the form of BUITEMS.

Dr. Colton was of the opinion that it is the duty of the alumni to contribute to the development of the university as this practice is applied for the promotion of education and development of the institutions by all developed nations of the world. Dr. Colton gave a detailed account of procedures needed to be followed for qualifying for the grant of Fulbright scholarships and pledged to persuade American scholars to particularly assist the local universities in gearing up their academic activities.

The Vice Chancellor Engr. Ahmed Farooq Bazai presented the university shield to Dr. Elizabeth Colton as a memento of the delegation's visit to BUITEMS and thanked the team for singling out this institution for such a detailed exchange of useful information.

Group from National Institute of Management Visits BUITEMS

A group comprising federal and provincial government officers, undergoing management training at the National Institute of Management, Quetta paid a visit to BUITEMS on October 26, 2009. The group was headed by the Chief Instructor, NIM, Col(R) Hamid Ghani and included Additional Directors, Mr. Shakil Ahmed and Mr. Ghulam Rasool. Giving a briefing on the history and



notable achievements of the university during the seven years of her existence, the Vice Chancellor, Engr. Ahmed Farooq Bazai remarked that BUIEMS students are capable of making their mark in every sphere of professional life. A large number of our alumni are creditably discharging their duties as responsible executives of organizations across the country. Briefing the visiting team in the video conferencing room, he pointed out that the university has signed MoU's with Glasgow University (U.K) Minnesota University (U.S.A) Simon Fraser University (Canada), British Columbia University (Canada) and Adelaide University (Australia) for the purpose of academic and research coordination.

At the end of the visit, the officers appreciated the academic environment prevailing at the university and paid rich tributes to the university authorities for imparting quality education.

Development (USAID) came on a visit to the university on Oct 14, 2009. Mr. Ahmad Shah gave briefing to the students regarding various departments of the university, the academic rules and regulations, facilities, opportunities and quality of education provided to the students at BUIEMS.

The students were accompanied by their teachers and administrative staff. Later on, Controller of Examinations BUIEMS, Prof. Munir Ahmed Khan addressed the group and gave them the message that doors of BUIEMS will always be open for talented youth of the province. The students also visited various class rooms, libraries, laboratories and computer labs. At the end of the visit, the delegation expressed gratitude for the cooperation of BUIEMS. They were highly impressed by the quality of teaching being imparted at the university.



Visit of School Students under Balochistan USAID Project

A large number of school students from all districts of Balochistan under the Ed-link project of United States Assistance for International



GM PPAF (Human & Institutional Development) Visits BUIEMS

Mr. Mohammad Aamir Qureshi, General Manager, Human and Institutional Development of Pakistan Poverty Alleviation Fund paid a visit to the Takatu Campus of BUIEMS on November 19, 2009. He was accompanied by the Chief Executive, Taraqqi Foundation, Mr. Amjad Rasheed, who is also a member of the University Senate. The distinguished visitors called on Dr. M.A.K. Malghani, the officiating Vice Chancellor, who briefed them on the history and salient features of the accomplishments of the university since her establishment in 2002. He pointed out that the university is committed to providing quality education with focus on research and equipping students with the art of living as productive members of the society. He remarked that BUIEMS has the distinction of offering programs of study in Information Technology as well as in various

engineering disciplines side by side with programs in Business Administration, Life Sciences and Arts and Basic Sciences. Introduction of the Campus Management Solution and availability of video-conferencing facility are the recent land marks of our achievement, he mentioned.

The distinguished guests were shown the Directorate of Information Technology, the Owais Ahmed Ghani Hall, the library, the CAD/CAM laboratory and various engineering workshops and laboratories. The visitors were highly impressed to observe the keenness of the students while they were busy in academic pursuits every where. Mr. Mohammad Aamir Qureshi eulogized the university authorities and the faculty on their enviable work. He appreciated the state of the art, well-equipped and well-utilized laboratories and emphasized the role of quality education in moulding the character and grooming the capacities of the youth. He expressed his intention to promote mutual cooperation between BUIEMS and PPAF through the offer of internships for the students.



VISITS FROM BUIITEMS

HEC- FAD Delegation to USA

A high-level delegation comprising Chairman HEC; Executive Director HEC; Advisor Human Resource Development HEC; Joint Education Advisor, Ministry of Education, Pakistan; Vice Chancellor BUIITEMS; Vice Chancellor LUMS; Dean and Director IBA, Karachi; Chair person, Department of Economics, QAU, Islamabad; Vice Chancellor, University of Agriculture, Faisalabad; Vice Chancellor, Arid Agriculture University, Rawalpindi; Director IMS, Peshawar; Vice Chancellor, NWFP Agriculture University, Peshawar; Vice Chancellor, Sind Agriculture University, Tandojam; Director IBA, Sukkur and Program Coordinator ,USAID funded Scholarship program, visited various offices and

organizations in the United States from November 7--27, 2009.

The delegation was accompanied by Dr. John W. Shumaker as Chief of party facilitated by Mr. Nasir Kazmi as Deputy Chief of party. The object of the visit was to approach the potential collaborators for the advancement of Capacity Development in financial Aid/ University Advancement Program initiated by the HEC in respect of eleven institutions of higher education.

The outcomes of the visit were ultimately expected to help the HEC and the participating universities in designing programs and initiatives needed for the achievement of specific goals of university linkages, partnership or other relationships reflecting national and international priorities. The delegation, after detailed and fruitful



discussions with the heads and notable functionaries of various organizations in US, resulted in opening up vistas of great promise in a number of areas.

During the visit a roundtable meeting was held at Ronald Reagan Building in Washington

Affairs, Pakistan. The delegation comprised 100 young men and women belonging to different walks of life and was headed by Mr. Shahid Bhutto, the Federal Minister for Youth Affairs. Ms. Zaib-un-Nisa, PRO represented BUIEMS in this visit.



where views on education development and financial aid were exchanged. The group also participated in a meeting on promise communication for branding universities where Bob Brock gave an enthralling presentation. In one of the sessions there was a discussion forum on Education and Democracy in Pakistan.

100 Members Youth Delegation Visits China

With the object of nurturing fraternal and friendly relations between the Youth of China and Pakistan, a 10 day good-will visit was arranged by the Federal Ministry for Youth

Visit by "Talent of Balochistan" Group

Twenty students from Balochistan took part in The Inter Provincial Tour of Talented Student of Balochistan to Punjab from 18th to 23rd November 2009.

The tour was hosted and organized by Punjab Government. Ms. Asma Toqir a student of First semester Computer Engineering BUIEMS was among those students who were recognized as "*Talent of Balochistan*", due to her outstanding performance in F. Sc. pre-Engineering.

Chief Minister Punjab Mr. Shahbaz Sharif awarded cash prizes to members of delegation and responded very positively to the request of delegation, for admissions in professional institutions and universities of

Punjab. Mr. Sharif also assured to offer scholarships to the two top students from Balochistan for study abroad.



FESTIVITIES GALORE



Inter-Varsity Drama Festival

GC University Lahore Dramatic Club hosted the 3rd GC University Inter-Varsity Drama Festival from March 8 to 14 at the Bokhari Auditorium GCU. The BUIITEMS Dramatic Society team, along with the Dramatic Societies from 12 other renowned Universities, participated in the week long festival.

Cultural Show

On the 17th of June 2009, BS(BA) students of BUIITEMS organized a cultural show in the city campus. The students performed different acts and skits to show the diverse Pashtoon and Baloch cultures. All the students were in their traditional dresses, depicting the cultural side of Balochistan and its people. In this cultural show the topics included:

- ◆ *Cuisines of Balochistan*
- ◆ *Pashto Folktales*
- ◆ *Balochi Folktales*
- ◆ *Pashto music*
- ◆ *Balochi music*
- ◆ *Pashtoon weddings*
- ◆ *Handicrafts of Balochistan*
- ◆ *Nomads in Balochistan*



Food Festival

Fun and enjoyment are very important in maintaining a fresh and healthy environment in any organization. A food festival was

arranged at BUIITEMS City Campus by the Management Sciences Department on June 19, 2009.



PROJECTS & PLANNING



BUIITEMS is a new university and extensive development work needs to be carried out every year. The pace of development during 2009 was not only maintained, it was rather accelerated for meeting the objective of timely completion. The following major development works were accomplished in 2009.

NEW ACADEMIC BLOCK

The building is the part of the Development Project "Development & Capacity Building of BUIITEMS" at the total cost of 80 million. Total area of the building is 100,000 Sq ft accommodating Faculties of ICT and Engineering.



The following facilities are provided in the building.

◆ Professor Rooms	16
◆ Assistant Professor Rooms	22
◆ Lecturer Rooms	16
◆ Class Rooms	15
◆ Laboratories	07
◆ Data Center	01
◆ Video Conferencing Room	01
◆ Seminar Halls	02
◆ General Offices	12
◆ Faculty Rooms	03
◆ Girls Common Room	01
◆ Conference Rooms	02
◆ Telephone Exchange	01
◆ Toilet Blocks	02

The main building provides ample space for academic activities at Takatu Campus. This block houses following state of the art facilities.

Directorate of Information Technology

It is fully equipped and constructed according to the needs of modern era. Main features of the Data Center are:

- ◆ Campus Management Solution (CMS)
- ◆ Regional Hub of PERN II Project
- ◆ Main Server Room of BUIITEMS



as students for their curricular and extra curricular activities. Each hall can accommodate 170 persons.

New Laboratories

Seven new Labs have been established for the students of faculty of ICT and Engineering including two Computer Laboratories.

Video Conferencing

This is a sophisticated facility provided to the students and faculty to acquire first hand knowledge from all over the world through live lectures and workshops.



Seminar Halls

These halls are fully equipped with audio visual facilities have been constructed in the building to facilitate the faculty as well



Class Rooms

15 Class rooms of International standards have been constructed to accommodate 626 students.



Fatima Jinnah Girls Hostel

This building is a part of Development Project "Construction of Hostel & Residential Area at Takatu Campus". The hostel was planned on the basis of future requirements to accommodate the female students and teachers. It comprises all the basic facilities like TV Lounge, Dining Hall, and Prayer Hall. Block "D" of this building has been converted in Administration Block. Most of the construction work of Hostel has been completed.



Telephone Exchange

Takatu Campus of BUIITEMS is spread over 108 acres of land and internal communication was the basic need for smooth functioning. For this purpose a digital exchange has been installed in accordance with needs of modern technology of communication with IP-PBX of 16 analogue trunk ports, 248 analogue and 8 digital subscriber gateway ports.



Iqbal Hall

Iqbal Hall, Takatu Campus is a part of Development Project "Development & Capacity Building of BUIITEMS". The construction work of Iqbal Hall was completed in 2009, and fixtures are being installed. On completion it will be used as an academic building accommodating Faculty of Life Sciences and Faculty of Arts & Basic Sciences.



Renovation of Expo Center

Expo Centre is a multipurpose hall constructed over 23,500 sq ft area. It has been renovated to organize functions, exhibitions as well as indoor sports events. The same hall is used to hold the convocations of BUITEMS.



External Electrification

The External Electrification work of academic area, hostels and pump houses has been completed by installing two 200 KVA and one 100 KV transformers with alternate generator power supply.



Pump Houses

Drilling of tube well, installations of pumping machinery and construction of pump houses have been completed to meet the growing

water needs of the Takatu Campus of BUITEMS.



Residential Bungalows

At present the University has limited residential facilities consisting of 20 houses and a labor colony comprising of 35 quarters. Additional nine Bungalows were renovated in 2009 to accommodate the faculty and administrative staff of BUITEMS.



Sports Complex

To provide the modern and latest sports facilities to students, the university has designed a sports complex. The construction of phase I of the complex is under way and will be completed in September 2010. Phase I comprises a multipurpose hall, fitness centers for male and female, a tuck shop and reception area.



Administration Block

Administration block has been renovated and fully furnished for administrative staff of university. Directorate of Finance, Directorate of Procurement, and Student and Academic Affairs section are housed in this building.



CONVOCATION



CONVOCATION, 2009

The much eagerly awaited 5th Convocation of the Balochistan University of Information Technology, Engineering & Management Sciences (BUIITEMS) took place on 5th January, 2010 with great aplomb and gusto. This historical event will long be remembered not only by the passing out graduates as an epoch in their lives, but by organizers and the guests as well, as a colorful event imbued with a unique mixture of serenity and joy. The spacious hall of the Expo Centre was over flowing with colors and festivity on the occasion.

It was no doubt a mega-event in the history of the University and it would not be out of place to claim that it was an event of the greatest magnitude in the city. Faculty members, the support staff and the students all deserve commendation for their devoted services.

The academic procession was heralded by the passing out graduates followed by the faculty in ascending order of their status i.e. Lecturers were followed by Assistant Professors, Associate Professors and Professors. The members of the University senate formed the vanguard of the procession with the Pro Vice Chancellor, Vice Chancellor, and the Honorable Chancellor forming a dazzling array.



The convocation was declared open by his Excellency Nawab Zulfiqar Magsi, Chancellor BUITEMS and Governor Balochistan. The proceedings commenced with the recitation of verses from the Holy Quran and their translation. In his welcome address, the Vice Chancellor, Engr. Ahmed Farooq Bazai highlighted the importance of the historic occasion. He expressed his optimism for more rewarding achievements in future. He described the establishment of linkages with prime institutions of the world as the launching of an enterprise towards universal recognition of the university.

"The element of relevance between learning and its practical applicability is the hall mark of our endeavors. We focus on awakening the spirit of inquisition and innovation among our students and their responsiveness is ensured through the valuable guidance by our proactive teaching faculty.

"This university is serving to kindle awareness amongst the female students about their own latent potentials and dormant talents. They are regarded as persons of equal capabilities and more than equal in pursuing their studies without inhibition of gender barriers or discrimination."

The conferment of the degrees was the focal activity of the day. Dean, Faculty of Life Sciences and Informatics, Dean, Faculty of Information and Communication Technology, Dean, Faculty of Management Sciences and Dean, Faculty of Engineering, by turns presented the batches of graduates in their respective fields. The Vice Chancellor

conferred the respective degrees. It was enthralling to see young men and women, proudly marching on to the stage and receiving their degrees from the Chancellor and Vice Chancellor. The graduates, who had distinguished themselves by notching top positions in various programs of study, were awarded gold medals. Nineteen students were honored with the award of gold medals.

The Honorable Governor Balochistan in his address congratulated the university authorities. Appreciating the steady progress of the university, he said, *"BUITEMS has worked very hard to come to the point where it is right now. The unique geo-political situation and the imminent prospect of Balochistan emerging as the hub of commercial and industrial activities, in near future, make it imperative for our youth to equip themselves with the latest know-how and expertise in the related fields."*

We already feel the impact of Information Technology boom, and it is heartening to see that BUITEMS is working fast and effectively



to fill the void in this specialized area. Similarly, prospective growth in Petroleum and Gas industry and other fields of Engineering is also likely to open immense venues of employment in the province.

He once again congratulated the passing out graduates, their proud parents and teachers on their glorious achievements.

Qari Arshad Yameen solemnly led the gathering in offering 'dua' at the end of the degree awarding ceremony. On this occasion,

All Pakistan issue of Daily Dawn; Daily Jung, Quetta; Daily Mashriq, Quetta and Balochistan Times brought out special supplements highlighting messages received from the President, the Prime Minister Pakistan, Governor Balochistan, Chief Minister Balochistan, Chairman Higher Education Commission (HEC) and Vice Chancellor BUIITEMS and depicting salient features of the university.



Award of Gold Medals

“**Quality and Excellence**” in Education is the motto of our university. We hold those students in high esteem who excelled as students through their high intellectual zest and continuous hard work and acquired top merit positions in various programs of study. It is imperative that their achievements are duly recognized and eulogized. Meritorious performances of these students were recognized with the award of Gold Medals in convocation 2009. Following are the names of gold medalists of this convocation:

Name: Ms. **Uzma Sehar** D/o Abdul Hameed
 Program: MS (Biotechnology & Informatics)
 % Marks: 82.6%
 CGPA: 3.88
 Session: Spring 2004 - Fall 2007



Name: Ms. **Saima Batool** D/o Nadir Ali
 Program: MBA (Regular)
 % Marks: 88.9%
 CGPA: 4
 Session: Spring 2006 - Fall 2008



Name: Mr. **Sohail Jan** S/o Saleh Mohammad
 Program: MBA (Banking & Finance)
 % Marks: 85.6%
 CGPA: 3.94
 Session: Spring 2006 - Fall 2008



Name: Ms. **Maria Panezai** D/o Gul Baran Panazai
 Program: MBA (After BSBA)
 % Marks: 81.7%
 CGPA: 3.65
 Session: Spring 2008 - Spring 2009



Name: Mr. **Kaleem Ullah** S/o Abdul Malik Bazai
 Program: BS (Electronic Engineering)
 % Marks: 80.6%
 CGPA: 3.64
 Session: Spring 2005 - Fall 2008



Name: Ms. **Nadia Muzzafar** D/o Muzzafar Ali
 Program: BS (Biotechnology & Informatics)
 % Marks: 87.1%
 CGPA: 3.93
 Session: Spring 2005 - Fall 2008



Name: Ms. **Rabaila Riaz** D/o Riaz Hussain Ali
 Program: BS (Biotechnology & Informatics)
 % Marks: 82.9%
 CGPA: 3.84
 Session: Fall 2005 - Spring 2009



Name: Ms. **Saira Batool** D/o Mohammad Raheem
 Program: BS (Business Administration)
 % Marks: 87.9%
 CGPA: 3.98
 Session: Spring 2005 - Fall 2008



Name: Ms. **Zarmina Mehmood Kasi** D/o Dr. Fazal Mehmood Kasi
 Program: BS (Business Administration)
 % Marks: 88.5%
 CGPA: 3.99
 Session: Fall 2005 - Spring 2009



Name: Ms. **Mahwish Butt** D/o Ghulam Mustafa Butt
 Program: BS (Economics)
 % Marks: 81.5%
 CGPA: 3.86
 Session: Fall 2005 - Spring 2009



Name: Mr. **Muhammad Junaid** S/o Khurshid Ahmad
 Program: BS (Chemical Engineering)
 % Marks: 83%
 CGPA: 3.73
 Session: Fall 2005 - Spring 2009



Name: Mr. **Muhammad Kashif Ali** S/o Abdur Rehman
 Program: BS (Petroleum & Gas Engineering)
 % Marks: 88.3%
 CGPA: 3.96
 Session: Spring 2005 - Fall 2008



Name: Ms. **Rubbia** D/o Abdul Majeed
 Program: BS (Petroleum & Gas Engineering)
 % Marks: 92.2%
 CGPA: 4
 Session: Fall 2005 Spring 2009



Name: Mr. **Khurram Shahzad** S/o Itbar Khan
 Program: BS (Electronic Engineering)
 % Marks: 82.7%
 CGPA: 3.73
 Session: Spring 2005 - Fall 2008



Name: Mr. **Muhammad Ahmad** S/o Abdul Rashid
 Program: BS(Electronic Engineering)
 % Marks: 85.4%
 CGPA: 3.92
 Session: Fall 2005- Spring 2009



Name: Mr. **Muhammad Shoaib** Ali S/o Muhammad Aslam
 Program: BS (Telecom Engineering)
 % Marks: 85.4%
 CGPA: 3.92
 Session: Fall 2005- Spring 2009



Name: Ms. **Madiha Akbar** D/o Muhammad Akbar
 Program: BS (Computer Science)
 % Marks: 88%
 CGPA: 3.97
 Session: Spring 2005 - Fall 2008



Name: Mr. **Asghar Ali** S/o Fida Hussain
Program: BS (Computer Science)
% Marks: 78.1%
CGPA: 3.57
Session: Fall 2005 - Spring 2009



Name: Mr. **Adnan Arshad** S/o Muhammad Arshad Chaudary
Program: BS (Computer Engineering)
% Marks: 84.9%
CGPA: 3.89
Session: Fall 2005 - Spring 2009



SPORTS ROUND-UP



All Pakistan Basketball Championship 2009

BUIITEMS encourages her students to participate in all sports contests and in the same regard BUIITEMS Basketball registered for participation in Inter-Varsity Zonal and National Basketball Championship from April 2 to April 11, 2009. BUIITEMS got a walkover in its first zonal match. In its second match, BUIITEMS defeated IBA with 12 points. In the final, BUIITEMS faced University of Sindh, Jamshoro. University of Sindh won that match with 10 points. Thus BUIITEMS got 2nd position in the Zone G.



Final Round of Inter Varsity Football Championship

A 17 member Football team from BUIITEMS, after qualifying in the Inter - Varsity Zonal championship, proceeded to Lahore to take



part in the final round of Inter University Football Championship. Twelve teams had qualified to play in this round as a result of their performance in zonal championship. For the final round, they were divided into four groups. BUIITEMS was placed in group B along with Malakand University and COMSAT.

The final round of the championship was played at Lahore University of Management Sciences from April 12 to April 20, 2009. The tournament was played on league system. The pre quarter final match between BUIITEMS and Malakand University was a closely contested game. Both teams exerted hard to dominate, but the match ended in a 1-1 draw.

The match between BUIITEMS and COMSAT was again a tussle for dominance between two equal teams, but BUIITEMS managed to carry the day on penalty kicks and qualified to play in the quarter finals.

In quarter finals, BUIITEMS football team was pitched against the University of Sports Sciences, Islamabad. Both teams strived hard to get the upper hand. BUIITEMS captain Nassarullah Khan impressed the onlookers with his speed and body-dodges. The team from the University of Sports Sciences finally managed to win the match by one goal.

In the overall rankings, BUIITEMS Football team was placed 4th out of all the University teams in the country. This is a creditable achievement and the manager, the coach and the players deserve warm appreciation for the same.

Cricket Ground Inauguration Ceremony at Takatu Campus

Opening ceremony of the second largest cricket ground in Quetta was held at the Takatu campus on 12th October, 2009. Built with a diameter of 200 yards with a boundary of 75 yards, this stadium has the seating capacity



of 15-20,000 spectators. The Vice Chancellor Ahmed Farooq Bazai was the Chief Guest at the occasion.

In his address, the Vice Chancellor pointed out the importance of physical health and its positive impact on the overall performance of students. He also encouraged the visiting students from Loralai and Sibi to use these facilities and create an atmosphere of healthy competition. Pro Vice Chancellor Prof. Dr. M.A.K Malghani and Mr. Mansoor Ahmed Khan (Regional Development, Pakistan Sports Board) also addressed the gathering and highlighted the positive impact of sports development programs in the collective good of the student body.

Dilawar Khan of BUITEMS Clinches 2nd Position

The All Pakistan Inter University Body Building Championship, 2009 was held at the University of Veterinary and Animal Sciences, Lahore on November 6-7, 2009, under the auspices of HEC Sports Directorate. Eighty contestants from all the universities in the country vied for top honors in the five weight categories.

Dr. Mohammad Nawaz, Vice Chancellor, University of Veterinary and Animal Sciences, was the Chief Guest at the final of championship. Mr. Dilawar Khan, a student bodybuilder from BUITEMS was adjudged to

be the winner in the 70 kg category, while he won the second position in the over all body building competition. Rich tributes were paid to Mr. Dilawar Khan for his memorable achievement in bodybuilding. He now stands qualified to participate in the Pakistan National Championship, to be held in Quetta in 2010. He will be representing HEC on behalf of Pakistani Universities.



Inter Department T-20 Cricket Tournament

The newly completed Pakistan Sports Board (PSB) cricket ground on the premises of Takatu Campus, BUITEMS had its first taste of real utility with the holding of Inter Departmental T-20 Cricket Tournament from Oct 19-Nov 01, 2009. Teams from all the departments contested for the coveted top position. Faculty members and the administrative staff were also vying for the top honors. Pro Vice Chancellor BUITEMS, Prof. Dr. M.A.K. Malghani inaugurated the tournament. In his address, he elaborated the natural relationship between physical fitness and intellectual accomplishments. "Sports play a very important role in grooming and reforming the youth", he said.

Faculty team from the City Campus and the Administration team from the Takatu Campus qualified for the final amongst the staff teams, while MBA and Chemical Engg. Departments distinguished themselves and qualified to play the final amongst the student teams. Takatu Campus Administration team

won the staff tournament. Masood Kasi played a pivotal role in the victory of his team by scoring 66 runs on 42 balls. Abid and Bilal were the other main scorers. The Inter Department Tournament among the students was won by MBA team. Syed Fariduddin, captain of the victorious team was adjudged to be Man of the Match and Man of the Tournament. The runners-up trophy went to the Chemical Engineering Department. Abdul Ghaffar Hamid of Biotechnology was the best batsman of the tournament, while Salman from MBA (Banking & Finance) turned out to be the best bowler.

Prizes were distributed among the winners and prominent players of the tournament by Mr. Manan Agha, Chairman Quetta Cricket Association. Dr. M.A.K. Malghani presented a shield to the Chief Guest, who also distributed shields to members of the tournament organizing committee.



DEBATES/COMPETITIONS



Final Round of Allama Iqbal Shield Debate

The 12th All Pakistan Allama Iqbal shield debate was held at the Higher Education Commission (HEC) Secretariat in Islamabad on May 7, 2009. The Federal Minister of Education, Mir Hazar Khan Bijarani was the Chief Guest of the event.

The BUIITEMS team comprising Sania Sabir Qureshi of BS Economics, Qudratullah Khan of MBA, Nasrullah Khan of B.S Economics and Sami-ur-Rehman of MBA were accompanied by the Director of Student affairs BUIITEMS Mr. Ahmad Shah Durrani.

The BUIITEMS team was the first to be called on to express their views. Begum Shahnaz Wazir Ali, Chairperson HEC graced the occasion with her presence alongwith Dr Sohail Naqvi: Executive Director HEC, Mr. Rahim Bux Channa: DG academics HEC, Dr Mukhtar Ahmed: Member Operations and Planning HEC.



Declamation Contest on "Say NO to Drugs"

In conformity with the demands of the world Anti- Narcotics Day, AAGHOSH and the Directorate of Student Affairs, BUIITEMS organized a Declamation Contest on 'The Role of Youth in the Eradication of Drugs' on June 24, 2009. The Vice Chancellor and Chief Guest, Engr. Ahmed Farooq Bazai expressed his views and said that as an organization, BUIITEMS is playing its role in drug

eradication and as individuals, its students are fully aware of the responsibilities entrusted to them. Pro Vice Chancellor Dr. MAK Malghani asserted that active and aggressive participation of students is needed in drug eradication. Director AAGHOSH, Muhammad Naseem Daavi elucidated the aims and objectives of his organization and gave a briefing on its accomplishments. Ms. Saima Gul briefed the participants on the activities of AAGHOSH.

A youth dialogue followed the briefing with Director AAGHOSH Muhammad Naseem Daavi, Dr. Ghulam Rasool, Deputy Manager Provincial AIDS control Program Dr. Haleem Siddiqui and Assistant Director Anti-Narcotics Force Col. Muhammad Ali. In the English speech competition, Ms. Marjaan Arbab, won the first prize, Mr. Usman Shameem stood second while Ms. Saania Sabir secured the third position. For the Urdu speech competition, the first three positions were clinched by Mr. Faizan Hassan, Ms. Sehrish Munir and Mr. Jahangir Khan respectively.



PRCS Debate Competition

Pakistan Red Crescent Society arranged a Debate Competition on 7th September, 2009. Three of our students namely Ms. Marjan Arbab and Ms. Kinza for English and Mr. Faizan Hassan for the Urdu debate were selected for the ultimate round in Islamabad. The Chief Guest for the competition was Mr. Abdul Khaliq Achakzai, Provincial Minister for Youth Affairs. A total of 45 students from different universities and colleges of Balochistan competed in this contest. The



students from BUIEMS won in both the English and Urdu debates. Ms. Marjan Arbab stood 2nd in English debate and Mr. Faizan Hassan stood 1st in the Urdu Debate. The competition had a break in between in which a scenario was enacted on PRCS emergency services by Mr. Jahangir Khan Bazai, President Student Affairs committee of BUIEMS along with a group of students working as volunteers in PRCS.

All Balochistan Inter Varsity Urdu Debate

All Balochistan Inter Varsity debate was organized under the umbrella of Higher Education Commission and Civic Education Foundation at the City Campus of BUIEMS on December 16, 2009. The topic was "*Naujawan ko apni zimmdarion ka ehsas hay*" (The youth are aware of their responsibilities). Teams from the following public sector and private universities took part in the debate.



- ◆ *Balochistan University of Information Technology Engineering and Management Sciences (BUIITEMS)*
- ◆ *Al Hamd University, Quetta.*
- ◆ *Iqra University, Quetta.*
- ◆ *Sardar Bahadur Khan Women University, Quetta*
- ◆ *University of Balochistan, Quetta.*

and Dr. Agha Nasir from the University of Balochistan and Dr. Zafarullah Khan Chief Executive, Higher Education Commission Pakistan were the honorable guest speakers on the occasion. The BUIITEMS debaters, i.e. Mr. Jahangir Bazai (BS- Textile Engg) and Ms. Sabika Batool (MBA- Banking & Finance) notched up the 2nd and 3rd positions respectively and carried away the debate trophy, much to the happiness of the audience.

Prof. Dr. M.A.K. Malghani, Pro Vice Chancellor BUIITEMS was the Chief Guest



COMPETITIONS/ CONTESTS



Decorative Art Contest

A three day workshop of Decorative Art Contest was held in Iqra University Quetta from 23rd of April to 25th of April 2009. Thirteen students from BUIEMS attended the workshop. BUIEMS won two second positions in painting, one third position and one consolation prize in calligraphy.



Qiraat and Naat Competitions

A Husn-i-Qiraat and Naat Khwani competition was organized by the Islamic Society of Students Affairs, BUIEMS on April 29, 2009 in the City Campus Auditorium. A number of male and female students from various departments of the university participated in both competitions. A large number of students, members of the faculty and administrative staff attended the event.

All the participants presented Qiraat and Naat in an impressive style, unrelenting rhythm and with engaging voices. According to the decision of the jury, in Qirat, Riaz-ul-Haq, student of BS (Petroleum & Gas Engineering) got first position, Mushtaq Hussain, student of BS (Business Administration) got second position, and Muhammad Hammad Jaffer, student of BS (Petroleum & Gas Engineering) got third position. In the category of Naat, Muhammad Hammad Jaffer, student of BS (Petroleum &

Gas Engineering) got first position, Syed Owais Athar; student of BS (Electronic Engineering) got second position while Sabiha Batool, student of MBA (Banking & Finance) got third position.

Bilingual Essay Writing Competition

The Literary Society of Balochistan University of Information Technology, Engineering & Management Sciences, arranged an essay competition on April 27, 2009 at Takatu Campus. A single topic was given to students both in English and Urdu i.e. "*Why Muslims are portrayed as terrorists? How can they change their image into a peaceful community?*" About eighty students from various departments of the university participated in the essay competition.



Shaheed Benazir Bhutto Quiz Competition

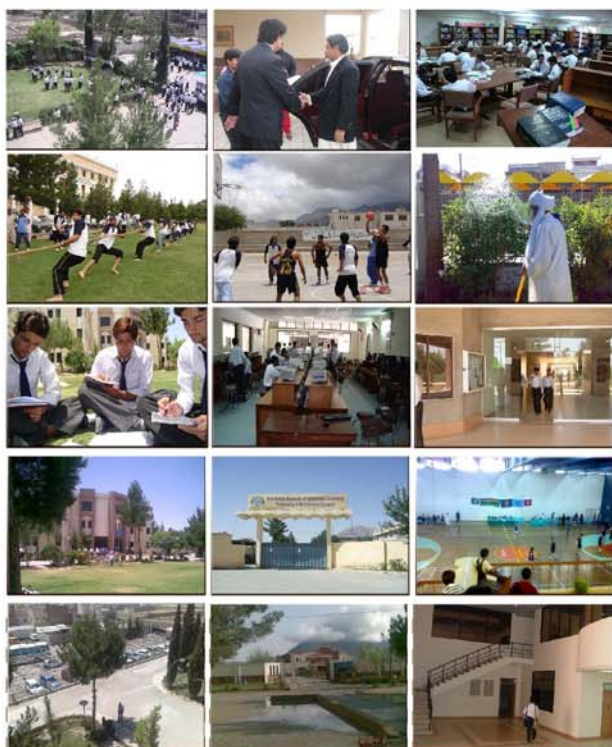
In the series of co-curricular activities a special quiz show was held at PTV Quetta center about the life of Shaheed Mohtarma Benazir Bhutto, which was telecast on June 21, 2009 (the birthday of Mohtarma) on PTV Bolan. Students from many institutions took part in the quiz competition. BUITMES had two teams. BUITMES teams were coordinated by Director Student Affairs, Mr. Ahmad Shah Durrani. Compere, Hidayat

Saleem (from PTV Bolan) and Faiza Marri, a student of BUITEMS asked questions from each team related to the life of Benazir Bhutto and finally declared BUITEMS teams as 1st and 3rd in the competition. Prizes were distributed among the winners.



Still Photography Competition

Dramatic Society of the Directorate of Student Affairs, BUITEMS provided an opportunity for the students to communicate their feelings and abilities through photography. According to the results, Sania Ali, student of BS (Biotechnology &



Informatics) got first position, Zayad Khan, student of MBA (Banking & Finance) got second position while Muhammad Kashif, student of BS (Computer Science) got third position. The Vice Chancellor BUITEMS, Engr. Ahmed Farooq Bazai appreciated the skills of photography of students and congratulated the winners.

Psychology Quiz

A Psychology Quiz competition was organized by BS (Psychology) student on 8th July, 2009 at the City Campus auditorium. The quiz was organized with groups from different departments. There were eight groups of two students each. The quiz included questions related to Psychology in particular social behavior, educational setup and other sub fields of Psychology.

There were three rounds in the competition. The group comprising Ms. Khadija Ejaz and Ms. Jamila and the group consisting of Mr. Samiullah Qazi and Mr. Shoaib Ali Siyal qualified for the final round. The competition among the finalists was neck and neck.

At the end, the group of Samiullah Qazi and Shoaib Ali Siyal won the competition, on points. The concerned teacher Syed Aziz Uddin Agha also congratulated the winner group and focused on the awareness and need of Psychology in the present world.



Psychology Role Play Competition

A role play competition was held amongst the students of BS(BA) on July 1, 2009 in the university auditorium. The event was organized by students under the supervision of Mr. Aziz ud din Agha, course instructor Introduction to Psychology. Mr. Ahmed Shah Durrani Chairman Social Sciences and Mr. Ayaz Mandokhel, Course Instructor Introduction to Sociology were also present.

Students performed role plays through which they depicted psychological concepts in everyday life. Issues such as exploitation of laymen by fake Aamil babas and psychological influences of 9/11 incident and responses of masses to it were the themes of the role plays.

PTV Talk Show

The Pakistan Television, Quetta Station arranged a talk show under the auspices of Balochistan Youth Forum at Takatu and City campuses of the Balochistan University of Information Technology, Engineering and Management Sciences in July, 2009. The program was spread over three episodes, the first was held at Takatu campus on 07-07-09 and the remaining two were recorded at the City Campus on 31-07-09.



The topics covered in these talk shows were:

- ♦ *National Unity (07-07-09)*
- ♦ *National Integrity (31-07-09)*
- ♦ *Role of youth in Pakistan Movement (31-07-09)*

These shows were conducted in the form of informal discussions between the students and the faculty members and views of the audience were elicited.

Best Teacher Award

An award conferment ceremony was held in Islamabad under the aegis of Higher Education Commission of Pakistan on August 21, 2009. The ceremony was chaired by MNA Ms Fouzia Wahab. Prof. Dr. Maqsood Ahmad from BUIITEMS and Prof Dr Sher Akbar from the University of Balochistan were amongst the distinguished recipients of the award.



BUIITEMS Win All Pakistan Essay Writing Competition

Ms. Samia Zia, a student of BS (Business Administration) BUIITEMS got first position in All Pakistan Essay Writing Competition organized by the Forum for the Promotion of Religious-Science Discourse (FPRSD) NWFP Agricultural University Peshawar. The topic of the Essay Competition was "*Frontiers of Science in the Light of Islam*". Ms. Samia Zia was given a prize of Rs. 10,000

along with a certificate and letter of appreciation from FPRSD.

BUITEMS Student Outshines at 2009 Education Week, Doha Qatar

The International Petroleum Technology Conference Education week, 2009 was held in Doha, Qatar under the theme "*World Energy Challenges: Endurance and Commitment*" from December 5-9, 2009.

Seventy five students from 36 countries pursuing degree programs at 54 institutions were selected to participate. The participating students were from Europe, Russia, Africa, Middle East, Asia Pacific, US and Canada. Four students from engineering universities in Pakistan were finally selected to participate.



Ms. Rubia Majeed from Department of Petroleum and Gas Engineering, BUITEMS was the only student selected from Balochistan. In Doha, Ms. Rubia was assigned to students Group B1, along with seven other students, from different parts of the world. The comprehensive report finalized by the group covered observations on the historical value of Oil and Gas reserves, market and political impacts, present market conditions, future trends in Oil versus Gas supply and demand implications for Global Economics, Political impacts, Environmental implications and Unconventional Resources.

Ms. Rubia Majeed won first position in her group on the basis of her thorough coverage of the topic and remarkable presentation. She brought fame to her country in general and to BUITEMS in particular.

Grand Songs and Drama Competition

Talented people are not just those who can write or debate well but also those who can act and sing well. BUITEMS has numerous such talented people. They gave a solid proof of their capabilities by taking part in a song and drama competition held on November 23, 2009 at the City Campus lawns under the aegis of the Dramatic Society, BUITEMS. This competition turned out to be one of the big events of BUITEMS with hundreds of students and faculty members attending the festivities. The audience had a memorable feast of voice



quality, performance style and confident and composed renderings by the students in singing their songs and performing the dramas. There were 4 plays and 25 singers who had qualified for the competition. Out of them the Drama "Farangees" performed by the students of BS (Economics) got first prize. In song competition, Mr. Arsalan Haider Nagi of BS (Business Administration) won the first

position, Mr. Sher Ali got second position and Abdul Wadood BS (Computer Science) got third position.

At the end of the contest, Pro-Vice Chancellor BUIEMS Prof. Dr. M.A.K Malghani congratulated the winners and also appreciated the participants.



FINANCIAL HIGHLIGHTS



FINANCIAL HIGHLIGHTS

In order to ensure that the University continues to grow and remain competitive, a plan was initiated to boost up revenue generation. The statutory bodies appreciated the proposal for sorting the ways and means to replenish financial resources to cater the financial needs. As the University is expanding, its appropriated strategic investment is increasing. Therefore, University's cash investment/ non-current investment have been increasing over the past two years. The University has generated funds to enable it to initiate new academic programs, technological development, maintenance of infrastructure and increasing capacity building. Revised Budget for the financial year 2007-08 was Rs.146.850 million. Annual Budget for the financial year 2008-09 was approved to the tune of Rs. 217.565 million, but due to constraints of funds the said Budget was downwards revised to Rs. 175.587 million. The financial year 2008-09 was closed at an expenditure of Rs. 173.601million, by adopting effective austerity measures. The earning of the University in the year 2007-08 was Rs. 62.771 million which increased to Rs. 76.721 million during 2008-09. The major contribution in increased revenue was enrolment of new students in newly established departments.

Revised Budget 2008 - 2009

Code		Object Classification	Approved Budget 2008-09	Revised Budget 2008-09
Major	Minor			
PAY & ALLOWANCEES				
01		PAY		
	0111	Pay of Admn Officers	6,550,000	6,275,000
	0112	Pay of Admn on Contract	5,550,000	9,070,000
	0113	Pay of Admn Staff	6,600,000	5,900,000
	0114	Pay of Faculty	26,900,000	26,885,000
	0115	Pay of Faculty on Contract	7,500,000	5,070,000
	0116	Personal pay	100,000	500
	0117	Other Pay	500,000	500
TOTAL PAY			53,700,000	50,201,000
02		Allowances		
	0211	BUIEMS Allowances	26,500,000	18,275,000
	0212	House Rent Allowances/Charges	23,950,000	18,930,000
	0213	Utility Allowances	8,000,000	640,000
	0214	Deputation Allowances	500,000	35,000
	0215	Conveyance Allowances	5,200,000	3,820,000
	0216	Dearness Allowances	1,000,000	950,000
	0217	Medical Allowances	5,300,000	4,160,000
	0218	Senior Post Allowances	360,000	43,000
	0219	Orderly Allowances	750,000	85,000
	0220	Entertainment Allowances	400,000	185,000
	0221	Qualification Allowances	500,000	135,000
	0222	Compensatory Allowances	1,600,000	1,360,000
	0223	Technical Allowances	19,000,000	11,515,000
	0224	Additional Allowances	500,000	1,012,000
	0225	Hill Allowances	250,000	200,000
	0226	Washing Allowances	150,000	125,000

	0227	Dress Allowances	150,000	125,000
	0228	Web. Site Charges	100,000	500
	0229	NPA	500	500
	0230	U-phone Allowances	500	500
	0231	Others	3,000,000	3,020,000
	0232	Faculty Allowances	-	-
	0233	Adhoc relief Allowances	-	-
TOTAL ALLOWANCES			97,211,000	64,616,500
TOTAL PAY& Allowances			150,911,000	114,817,500
05	Communication			
	0511	Postage & Courier	350,000	225,000
	0512	Telephone, Trunk Call & Fixture	1,000,000	1,225,500
	0513	Others	500	500
TOTAL			1,350,500	1,451,000
06	Repair & Maintenance			
	0611	Machinery & Equipment	800,000	1,350,000
	0612	Transport	1,500,000	750,000
	0613	Furniture & Fixture	300,000	120,000
	0614	Building & Structures	3,500,000	2,800,000
	0615	Gardens	500,000	200,000
	0616	Others	400,000	120,000
TOTAL				7,000,000
07	Utilities			
	0711	Gas	2,200,000	1,985,000
	0712	Electricity	6,000,000	7,800,000
	0713	Water Charges	100,000	500
	0714	Internet	800,000	716,000
	0715	Hot & Cold weather Charges	500	500
	0716	Others	250,000	500
TOTAL			9,350,500	10,502,500
08	Rent, Rates, Taxes & Fees			
	0811	Rent of Student Hostel	600,000	500,000
	0812	Rent of Residential Building	500,000	50,000
	0813	Rent of Office Building	500	500
	0814	Bank Charges	150,000	80,000
	0815	Audit Expenses	100,000	20,000
	0816	Insurance of Vehicles	1,500,000	1,375,000
	0817	Others	100,000	105,000
TOTAL			2,950,500	2,130,500
09	Pre-Investment Projects			
	0911	Feasibility Studies/Research/Surveys etc	1,000,000	600,000
	0912	Others	500	50,000
TOTAL			1,000,500	650,000

10	Other Expenditure on Commodities & Services			
	0101	TA/DA	1,500,000	750,000
	0102	Fair, Exhibitions Etc.	1,500,000	90,000
	0103	Publicity & Advertisement	2,000,000	1,700,000
	0104	Scholarship & Stipends	800,000	5,000
	0105	Remuneration to Part Time Teachers/ Visiting Faculty	1,500,000	3,800,000
	0106	Cash Rewards for Meritorious Services/Bonus	1,200,000	550,000
	0107	Preliminary expenses for new Campus at Hazar Ganji	200,000	5,000
	0108	Conference/Seminars/ Workshops/ Symposia/ Convocation etc	2,000,000	2,680,000
	0109	Conduct of Examination	300,000	330,000
	01011	Student Hostel- Miscellaneous Expenses	500,000	240,000
	01012	Contingencies	1,500,000	850,000
	01013	Daily Wages/ Contingent Staff	3000,000	3700,000
	01014	Janitorial Services	800,000	100,000
	01015	Entertainment	800,000	520,000
	01016	Medical Reimbursement	200,000	200,000
	01017	Sports/Students Activities	1,000,000	1,350,000
	01018	Railway fee		
	01019	Miscellaneous Faculty Hostel Campus	200,000	2,500
	01020	Conveyance Charges	500	80,000
	01021	Transportation of Goods	500	20,000
	01022	Law Charges	500	2,500
	01023	Pay to Other for services rendered	500	840,000
		TOTAL	19,002,000	17,815,000
		Total Operational Expenses	66,654,000	60,769,000
		Grand Total	217,565,000	175,586,500

Audit of BUITEMS Accounts for 2007-2008 & 2008-2009

The BUITEMS Accounts were audited by the Auditor General of Pakistan office for the year 2007-08 & 2008-09. The audit report for 2007-08 comprised of 19 audit observations and during 2008-09 it reduced to 15. DAC meetings were convened and 13 audit observations each from the audit report 2007-08 & 2008-09 were settled.



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