Balochistan University of Information Technology & Management Sciences

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Newsletter

February-March, 2006

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Editorial

With the start of the Spring Semester, 2006, the academic activities on the BUITMS campuses have gone into full swing. The Newsletter welcomes all the new students and wishes them a very satisfying and rewarding experience during their studentship. The University authorities have resumed their full functions with the resolve that they would assist the students in becoming a different type of students, that is, students motivated to discover new truths, self reliance and a new drive to excel.

It is very encouraging to see that our linkages with the renowned and reputed foreign universities have started taking a practical shape. The cases of 34 young faculty members who had cleared the GRE requirements have been referred to George Washington University (USA), University of Minnesota (USA) and the University of Glasgow (Scotland). These young scholars have pledged to complete their higher studies and research requirements within the stipulated time limits and to return to their parent institution to serve the students community at the Balochistan University of Information Technology & Management Sciences, Quetta.

BUITMS had the privilege of organizing the provincial youth convention, 2006. His Excellency Owais Ahmed Ghani, Governor Balochistan personally graced the occasion. BUITMS participants displayed distinct qualities and were singled out for the quality of their expression and profundity of their ideas. It was no mean achievement to grab five positions out of eight and to make the bulk of the youth representation at the federal level. The honorable Governor, Balochistan exhorted the students with the remarks that it was always a pleasure for him to come to an institution where students aspire and strive for excellence and where youthful energies inspire even the old people to aim at greater heights.

The first convocation for the first batch of graduates and post graduates is scheduled to be held shortly. The convocation would be a landmark in the history of the province, as really capable and competent youth would be ushered into the job-market to tackle the challenges of practical life. The journey towards the ultimate achievement of glory is, no doubt, going to be long and arduous, but it is expected that with their sound footing in the respective fields and their academic mastery, they would ultimately manage to triumph. Newsletter wishes them all success!

Provincial Youth Convention held at BUITMS

Report by: Haris Rehman

Government of Pakistan has been holding Students' Conventions for the last many years in which selected students from various institutes across the country participate and take part in extensive speaking and discussion sessions at Convention Center Islamabad.

Jury and participants standing as the National Anthem is played

This year, however, provincial Students' Conventions were held in all provinces in order to give higher number of students a chance to express themselves at the provincial level and to select more capable students for the national convention.

Honorable Governor being escorted to the shamiana

The Provincial Students' Convention Balochistan was held at Balochistan University of Information Technology and Management Sciences, Quetta Jinnah Town campus on April 16th 2006. The topics for the provincial convention were:

1. Pakistan, My Identity
2. Gender empowerment for Socio Economic Development
3. Voluntarism in Natural Disasters: Challenges and Strategies

The convention commenced with the recitation of verses from the Holy Quran by Hafiz Muhamad Idrees of MBA-3A. Ms. Sahar Faiz Khan of BS (Economics) 2nd semester had the privilege of reciting a Naat on the occasion.

Chief Guest being offered a bouquet

Twenty two students participated in the convention with BUITMS, UoB, Iqra University, SBK Women University and Lasbela University of Agriculture and Marine Sciences participating in the event. 12 students expressed their views on the topic "Pakistan, My Identity", seven spoke on "Voluntarism in Natural Disasters: Challenges and Strategies" while three of the participants elaborated their opinion on "Gender empowerment for Socio Economic Development".

Honorable Governor flanked by Prof. Shamim and Dr. Shahida Jaffery

The topic "Pakistan My Identity" fetched two pronged response from the student speakers. Many asserted that since we had failed as a nation and were divided in ethnicities, castes and

Audience at the Youth Convention

Provinces, therefore, no identity of a nation or homeland as one united unit existed in Pakistan. The others, nonetheless, emphasized that our identity was solely Pakistan and any conflicts within the country should be taken as mere misunderstandings among people of one family. "Silent majority believes in one

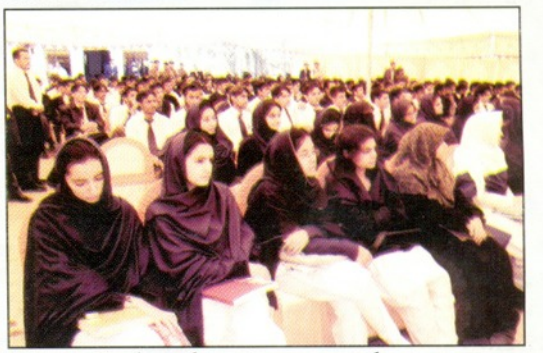
united identity i.e. identity of being a Pakistani, nothing else. The false perception that provincialism and nationalism have taken lead over Pakistanism is but an intrigue designed and propagated by vested interests; mainly the so called think tanks who only think what they are funded to! Let me ask them why people of all provinces and nations feel pride when Arfa Karim becomes the youngest Microsoft certified programmer and Pakistan yes Pakistan is declared as the land of genius? Why people of all provinces and nations are equally touchy about defeat & victory of Pakistan cricket team? Why people of all provinces and nations come up with such unprecedented response that even motorway observed traffic jam while earth quake occurred in only one part of the country?" argued one speaker.

Unanimity of views existed on the topic regarding gender empowerment. Speakers maintained that progress in any field would be impossible until and unless both wings of society i.e. male and female work together and complement each others efforts. "Stark difference between developed and underdeveloped countries is that developed countries have a positive rather healthy ratio of coordination between genders that has worked wonders to their socio-economic development" one of the speakers observed.

Students speaking on "Voluntarism in Natural Disasters" remarked that the growing incidence of natural disasters throughout the world called for special emphasis on voluntarism so that the whole nation comes up to assist relief agencies in case any disaster takes place. The outstanding work done by volunteers after Tsunami and October-8 quake was also highlighted in this regard.

Another section of the audience

Governor Balochistan Owais Ahmed Ghani was the Chief Guest of the convention while VC Sardar Bahadur Khan Women University Dr. Shahida Jaffery and Dean Faculty of Management Sciences and acting VC BUITMS Professor Shamim Akhtar accompanied the Chief Guest on the stage.Governor Balochistan Owais Ahmad Ghani, while addressing the convention, said that Pakistanis are a great nation. When they decided to achieve any objective they secure that at every cost. "Long ago, we decided to make Atom bomb and we did it very successfully; we took the decision to stand up and guard our homeland against the potential threat by a super power Soviet Union and it ended up dissolved in many states…these are remarkable achievements by any standards" he added.



Students listening to speeches

The Honorable Governor said, "Pakistan is the only country in the world which has come into existence on the basis of an ideology and it is our duty to protect it." He said that our country has all the resources which are required for making a great nation. The only factor needed is that we should utilize these resources with sincerity of purpose, dedication and sense of patriotism and recognize ourselves as a dignified, envisioned and strong nation.

Another section of student audience

While appreciating the holding of the convention, The Governor said that the convention was meant to select representative students for Islamabad convention and to give an opportunity to the students for polishing up of their skills and confidence building. Governor said students have been able to express their views and show their abilities; however, he stressed that emphasis should be laid on the substance and content of speech rather than on theatrics, which the world doesn't take seriously. He went on to say "It's always a pleasure to come to an institution where students aspire for excellence, youthful energies inspire even the old people." He maintained that such functions help the young generation to become good citizens and patriotic Pakistanis.

Governor presenting the souvenir to Ms. Raheela Durrani (MPA)

The Jury for the convention was a high profile; Dr. Inam-ul-Haq Kausar, Mian Maqbool Rehbar, Mr. Sarwar Javed and Ms. Raheela Durrani. At the conclusion, the Governor gave away mementos to the Jury members.

Top-8 position holders were selected for the national convention. The details of the final result are as follow:

1.	Muhammad Zafar	BUITMS
2.	Najeebullah Khan	BUITMS
3.	Shahzad Shahid	Iqra University
4.	Haris Rehman	BUITMS
5.	Taimoor Iqbal	Iqra University
6.	Zulfiqar Mushtaq	BUITMS
7.	Sardar Muhammad	UOB
8.	Sameena Gul	SBKWU
9.	Talib Hussain	UOB
10.	Yasser Rizwan	BUITMS

7th Free IT Awareness Program at BUITMS

Report by: Yasir Ishfaque (BSCE6)

"The excitement of learning separates youth from old age. As long as he is learning he is not old." Surviving in the new era of 21st century requires some high efficiency and talent, and if you have good computer skills it can play a vital role in your career. But in Balochistan the rate of computer literacy is very low and The Government of Balochistan is trying its best to spread computer literacy all over Balochistan so that Balochistan can stand with other provinces of Pakistan in the field of IT.

Trainees busy in practical work

With the aim and commitment of spreading computer literacy all over the province the Balochistan University of Information Technology and Management Sciences arranged the 7th Free IT Awareness Program from 15th February to 3rd of March, 2006. This program was simulteneously conducted at the city campus as well as at the Takatu Campus of BUITMS; this program was conducted with the help of those chosen regular University students who had good results in their department.

Trainees attending the lectures

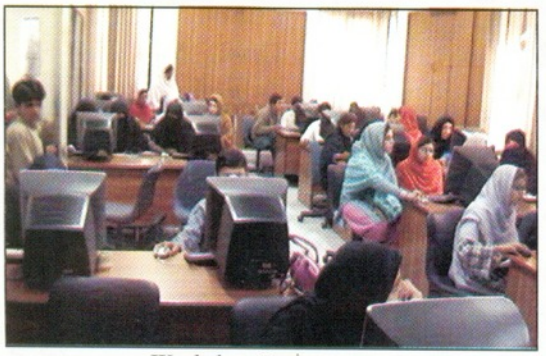
A total of 700 individuals, including people from different walks of life benefited from the program this time. Their age and gender wise break up provides interesting clues to the popular trends of future educational approaches. The learner's group comprised 597 males and 103 females. Among them were 100 boys and 30 girls below the age of 15, while 497 men and 70 women, including doctors, college teachers, engineers, journalist, shopkeepers etc took the opportunity of acquiring basic and advanced computer skills.

This indicates that both our youths and grown up are fast realizing the importance of IT for moving upward in all professional spheres.Students diligently conducted the courses according to the intellectual level of the participants and focused on the individual needs.

One of the participants, Mr. Ayaz Ullah, a senior school teacher described his experience of the sessions as a successful try of spreading computer literacy among those people who don't have much money and time to spend, he also requested that next time some more advanced courses should be offered so that every person of Balochistan can lift himself up in the field of IT.

Free IT Awareness Class

The 7th Free IT awareness program was held under the expert supervision and guidance of Dr. Muhammad Nawaz, Dean, Faculty of Computer and Emerging Sciences, Dr. Ishaq Ghaznavi, Director, Research Coordination and Mr. Qadeem Kakar of Students Affairs Department.



Workshop in progress

BUITMS considers the program as a way of realization of the cherished objectives of spreading the computer skills and know-how not only among the students but also among the general public as well.

Free IT Awareness Class

This time, the program took an evolutionary step forward by offering advanced instructions to those who had previously attended the basic programs. The Advanced Course was then further divided in two sessions, first session included Advanced Graphic Designing, and in the second session Advanced Hardware installation was taught.

Deans and Director at the closing ceremony

The participants of the advanced program felt enriched by their introduction to the latest developments and were enthralled by their experience of continued march forward in keeping with the ever changing and ever growing sophistication in Information Technology.

Seminar on "IT Forum for Young Entrepreneurs/Innovators of Balochistan" sponsored by UNESCO under Participation Program

Report by: : Prof. Dr. A. H. S Bukhari

With the object of apprising the young entrepreneurs about the innovations in IT and to prepare them for entering into the IT market, Pakistan National Commission for UNESCO proposed a one-day seminar and formation of an IT forum at the provincial level. The seminar was held on March 22, 2006 from 9:00 AM to 5:00 PM at Balochistan University of Information Technology and Management Sciences, Quetta.

The seminar was conducted in 3 sessions.

Inaugural Session:

After the registration from 9:00 a.m. to 10:00 a.m. the inaugural session started with recitation of verses from the Holy Quran followed by Naat-e-Rasool (PBUH). The welcome address was presented by Prof. Dr. Abdul Hussain Shah Bukhari, Chairman Department of Information Technology, Electronic and Telecommunication Engineering BUITMS. He welcomed all the guests and participants from University of Sindh, Mehran University of Engineering & Technology, University of Karachi, University of Balochistan, Sardar Bahadur Khan Women University, Preston University, IT Managers from UBL, HBL, MCB, NBP, ABL; Geo net, Sisco, PTCL, Microsoft, Siemens, Deans, Faculty members, students and officers of BUITMS.

Audience of the seminar

Elaborating upon the organization of the seminar by the Department of Information Technology, Electronic and Telecommunication Engineering BUITMS he said the main aim behind this seminar was to establish "IT Forum/Electronic Forum" on permanent basis for the province of Balochistan.

This forum would comprise University IT Faculty, IT experts, IT business holders, dynamic innovators in IT domain, Young Entrepreneurs/Innovators in IT and social workers. This Forum would guide young entrepreneurs in solving their day-to-day problems and would inform them the latest trends in IT especially in E-commerce domain to answer all questions emerging due to dynamic changes in IT and would propose possible solutions.

Dr. A. H. S. Bukhari delivering the Welcome Address

Dr. Bukhari said that a website for this Forum would be launched through which all the important news and events from business point of view would be displayed. The Department of Information Technology BUITMS will manage this Forum as a moderator. He thanked the Chief Guest Prof. Dr. Imdad Ali Ismaili for accepting his invitation to chair and inaugurate this event. He also thanked all the participants for their collaboration to make this event successful.

Delegates from other universities

The opening lecture on "IT Revolution and Pakistan" was delivered by Prof. Dr. Abdul Karim Baloch, Co-Director of IIT (MUET). Then the Chief Guest of the event Dr. Imdad Ali Ismaili, Director of Institute of Information Technology, the leading expert and award winner on Pakistan level by the Academy of Sciences in Computer Science and Information Technology, presented his inaugural speech.

In his speech he said that target industry of the current millennium is Information Technology because it is the technology of present and future. It has become the engine of economic growth and services enabler in Education, Government, Health, Defense, Media and Communication, Telemedicine, Banking, Airlines, Accounting, Taxation, Business, Marketing and Planning etc. By this time the contribution by IT is about 8-9% to the business value of the world and this reflects the huge career opportunities in profession of IT. But it demands quality education and skills which can be achieved by promoting IT institutions to the largest scale for research and reinvention activities. Currently, American National Foundation of Sciences has taken initiatives to reinvent the internet for Global Environment and the internet will accommodate the future needs of coming 10 to 15 years. He believed that the establishment of "IT Forum" at the right time would bring together students, researchers and innovators to enhance their services to find the solutions of emerging problems. The initiative taken by the Government in collaboration with UNESCO will help to develop quality manpower in IT sector through "IT Forum" for the province of Balochistan.

He paid high complements and thanks to Dr. A. H. S Bukhari for inviting him to inaugurate this seminar as Chief Guest and said that Dr. Bukhari had initiated a noble cause in the field of IT for the people of Balochistan and prayed for the success of IT Forum.

1st Technical Session was chaired by Prof. Dr. Nasir Tauheed, Chairman of Computer Science, University of Karachi. Four lectures were presented by the speakers working in the field of IT.

Ms. Palwasha Jalalzai spoke on "IT enabled services"

Mr. Sadiq Ahmed Bugti spoke on "E-Commerce"

Mr. Riaz ul Amin spoke on "IT Resource utilization"

Mr. Kamran Ali spoke on "Voice over IP in IT Business"

Dr. A. H. S. Bukhari, Dr. I. A. Ismaili & Dr. A. K. Baloch

The lectures were followed by question-answer session and very informative discussions. That truly showed how much interest the youngsters are taking in the field of IT.

2nd Technical Session was chaired by Prof. Dr. Abdul Razaque Memon, Faculty of Computer and

Emerging Sciences BUITMS. Five lectures were presented in this session on applications of IT.

- Mr. Imran Sarwar Bajwa spoke on "Outsourcing in IT application"
- Mr. Asif Naeem spoke on "IT and business development in perspective of Data Mining"
- Mr. Ali Afzal spoke on "IT in Telecommunications"
- Mr. Imran Siddique spoke on "the Role of Supply Chain Management in E-Commerce"
- Mr. Manzoor Ahmed Khilji spoke on "the Role of IT in PTCL"

The lectures were followed by question-answer session extending lengthy discussion and very interesting arguments.

Dr. I. A. Ismaili receiving bouquet

3rd Technical Session (Brainstorming on IT forum) was chaired by Prof. Dr. Abdul Hussain Shah Bukhari, chairman Department of Information Technology, Electronic and Telecommunication Engineering BUITMS, the Chief Patron of IT Forum. Highlighting the background and opening the debate on IT Forum, Dr. Bukhari invited opinions, suggestions and remarks from the audience. The audience who comprised various categories of IT experts or related with IT field started very diverse discussions. One of the suggestions was that there should be cooperation between all the universities of the province in exchanging the students, faculty and the available resources and that should be managed by the IT Forum. The other remarks were why the provincial Ministry of IT has not participated in this event, so that we should know what contributions they have made so far in the field of IT. Another suggestion was that the information about the IT developments be communicated in writing or through press. IT Forum may help the backward areas of the province in developing the IT awareness. There were many other inter- audience discussions and remarks. The brain storming session was the most attractive and interesting part of the seminar.

Audience listening to the seminar lectures

More than a hundred persons participated in the seminar from the different spheres of life. It added more vivacity and verve to the seminar. Mr. Liaquat Ali Channa, Research Associate in English in BUITMS, and Beenish Khushnood, a student of BUITMS, rendered their services as compeers of the seminar. The participants were served with tea, lunch and refreshment at the intervals of the program.

The seminar ended with the vote of thanks by Prof. Dr. Abdul Razaque Memon.

All Pakistan Inter-universities Sports 2005-2006

BUITMS is geared by the commitment to expose our students to competitions in order to refurbish their intellectual and physical capabilities to the optimum. We are endeavoring to provide the best available facilities for physical development and promotion of sports on the campus. Our students are keen to exhibit their capabilities and make a mark for themselves at the national level. All Pakistan Inter-universities Sports Competitions were such occasions when the student could gauge their potential and find models for further triumphs.

VC, BUITMS at opening ceremony

All Pakistan Inter-universities Sports 2005-2006 were organized by the Higher Education Commission of Pakistan at different renowned universities of Pakistan. Altogether 62 universities

from all over the country took part in the sports events staged by the HEC. The players from Balochistan University of Information Technology & Management Sciences (BUITMS) also contested in the events and brought glory to the University by attaining prominent positions in several contests.

Prior to this, the selection of players for the event was made on the basis of trials which were held at the University Campus. The selected players were also put into the training camps for achieving better results.

The BUITMS contingent contested in All Pakistan Inter-universities Body Building Championship, Chess Championship, Cricket Championship, Hockey Championship, Athletics (Women) Championship, Table Tennis (Women) Championship, Badminton (Women) Championship, Rifle Shooting Championship, Tennis Championship, Boxing Championship, Basketball Championship and Athletics Championship. Our players performed to the best of their abilities and clinched important positions in the following contests:

❖ All Pakistan Inter-universities Chess Championship was held at Agricultural University, Faisalabad. Raheel Haidary and Vijay Kumar represented BUITMS in this championship. They not only got 2nd position in the championship but were also selected for HEC Chess Team for National Chess Championship.

❖ All Pakistan Inter-universities Cricket Championship also proved fruitful for BUITMS as our Cricket Team performed superbly before the home crowd and got 2nd position. Cricket Championship was played at Balochistan University of Information Technology & Management Sciences, Quetta.

BUITMS shooter receiving the trophy

❖ Another event in which the name of BUITMS shone proudly was All Pakistan Inter-universities Rifle Shooting Championship. The championship was held at Agricultural University, Faisalabad. Our shooters hit the bull's eye and grabbed the 2nd position. Shafiq was announced the Best Shooter whereas Naseebullah the Best Attacker by HEC. Both the shooters belong to the Balochistan University of Information Technology & Management Sciences, Quetta.

BUITMS shooter aiming at the target

❖ All Pakistan Inter-universities Boxing Championship was played under the umbrella of the HEC at Sindh University, Jamshoro. BUITMS boxers though inexperienced fought well and amazingly brought 01 (one) silver and 02(two) bronze medals to the University.

❖ BUITMS Basketball Team also made her way to the final of the All Pakistan Inter-universities Basketball Championship where she could not surpass her opponent and hence clinched the 2nd position. The championship was staged at Sindh University, Jamshoro.

BUITMS table tennis player in action

❖ In Athletics, the BUITMS athletes showed great enthusiasm and stamina. One of BUITMS athletes clinched silver medal in 800 meter race. Overall, BUITMS athletics team got 4th position out of 62 in the overall competition. The All Pakistan Inter-universities Athletics Championship was played at Peshawar University, Peshawar.

Table Tennis match in progress

In Body Building, Hockey, Athletics (women), Table Tennis (Women), Badminton (Women) and in Tennis events our players played well and gave tough time to their rivals; however, they could not get any prominent positions.

Shield being offered to Director PSB

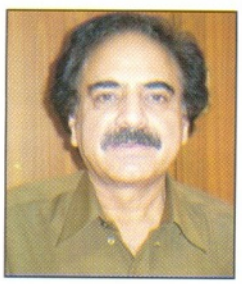
The players of BUITMS are still to compete in the forthcoming events which include Volleyball, Badminton, Table Tennis, Football, Squash, Swimming and Basketball (Women), and they are expected to give super class performances in the relative events.

Biotech International Forum at Lahore

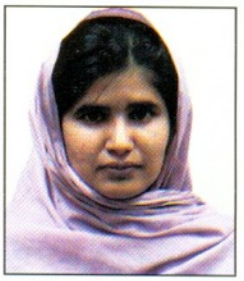
Report by: *Ms. Sarwat Afridi & Ms. Bushra Batool, Research Associates*

Participants of the BINASIA workshop

BINASIA and Pakistan National Workshop & Lahore Bioforum 2006 were jointly organized by the National Centre of Excellence in Molecular Biology, University of Punjab, the Federal Ministry of Education and the Federal Ministry of Science and Technology, Government of Pakistan from 11-12 March & 13-15 March 2006 respectively.



A delegation from the Faculty of Biotechnology & Informatics, BUITMS, Quetta also participated in BINASIA & Lahore Bioforum2006. The delegation from BUITMS was headed by Prof. Dr. M.A.K. Malghani Dean Faculty of Biotechnology & Informatics and included three other faculty members, Dr Shaukat Iqbal Malik, Miss Sarwat Afridi & Miss Bushra Batool



The objectives of BINASIA

Pakistan National workshop were to share the work done on Biotechnology by various research institutes within Asian countries and to promote collaboration in research and commercialization of the products. Renowned institutes like Quaid i-Azam University Islamabad, NIBGE Faisalabad, IBGE Peshawar, MICROB University of Karachi, IBB Lahore & BUITMS, Quetta played their proactive roles in the success of the events, as most of the institutions presented their research works. From BUITMS, Dean of Faculty of Biotechnology & Informatics Prof. Dr. M. A. K. Malghani presented a report on the ongoing research projects and Dr. Shaukat Iqbal Malik presented his work on cytogenetics.

Lahore Bioforum 2006 was held from 13th -15th March 2006. In this Bioforum pharmaceutical companies were provided opportunities to promote the marketing of the products developed by the different institutions. All the institutions exhibited their products on stalls. The Faculty of Biotechnology & Informatics had their stall where 5 products were exhibited:

***1: Algamino* (Organic)**

Seaweed Extract (18%) + Amino acid (10%)

Algamino is extracted from algae formulated with Amino acid. It is a non-toxic, harmless extraction which replenishes the organic nutrition, promotes balanced growth, increases fertility, raises the capacity of resistance of plants to improve crop quality and increases the crop yield

2: *Taraxan*

(Organic root growth Promoter)

(47% Taraxicum, Cnicus, Astragullus and valerian Extract)

Taraxan is extracted from four different herbs. It promotes root growth and enhances the seed

germination and ultimately increases yield and quality of any crop.

3: *Agro-tonic*

(Macro and Micro nutrients

Agro-tonic is formulated for the crops which need quick availability of m\macro and micro nutrient during their crucial growth period. It contains all the 13 elements needed for the plant growth in a balanced form.

4: *Zatoran 5EC*

(Ai: 5% Inert: 95%)

Zatoran is one of the safest miticides formulated by the utilization of an indigenous herb (Zatoria multiflora). It is formulated with non hazardous inert material. It is so safe that human can directly consume it for the treatment chest infections.

5: *A natural Product " Chiltano"*

Prepared from Algae as an anti-aging supplement. In addition to some proteins, it contains essential oils and coenzymes.

Some of the products were prepared with the collaboration of PCSIR Laboratories, Quetta.

The visit proved to be very successful because many pharmaceutical companies showed their interest in marketing of above mentioned products.

Strengthening further Bilateral Relations between Pak & Iran

Report by: *Haris Rehman*

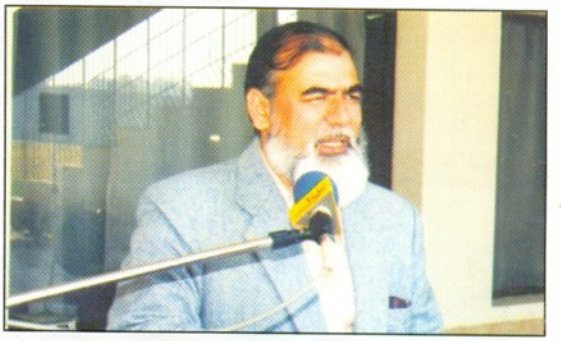
Governor Balochistan Owais Ahmed Ghani was on a three-day official visit to Islamic Republic of Iran. The visit that turned out to be a very hectic was equally a significant in certain ways especially when it comes to talking about its outcome in terms of signing some Memoranda of Understanding (MoU) between the two provinces of Iran (Seistan and Balochistan) and Pakistan (Balochistan) for boosting cooperation in various fields including trade, energy, education and other sectors.

The Governor's visit was also significant particularly in respect of its coincidence with the US President's visit to the South Asian countries including India and Pakistan, besides Afghanistan and when there are serious threats to Iran owing to its N-capability issue. Pakistan, in this particular situation, is determined to bolster the mutual cooperation with brotherly country Iran in various sectors.

It is worth mentioning that Mr. Owais Ahmed Ghani was the first Governor of Balochistan, who visited Iran since the Iranian Islamic revolution some 22 years ago.

Governor General of Seistan-Balochistan Dr. Habibullah Dahmardah and other Iranian high ups were among those who received the delegation at the Zahidan airport.

The Governor's delegation, which took part in the wide ranging talks with the Iranian authorities comprised the Consul General of Pakistan in Zahidan Mr. Khalid Javed, Chief Executive QESCO Brigadier Tasadduq Hussain Shah, Collector Pakistan Customs Quetta, Mr. Muhammad Yahya, Vice Chancellor Balochistan University of Information Technology and Management Sciences (BUITMS) Dr. Muhammad Abbas Choudhary, Vice Chancellor of University of Balochistan Ghulam Muhammad Taj, , a representative of Frontier Corps (FC) Colonel Zafar Saleem and some officials from the Pakistani consulate.



During the visit, the two provincial authorities decided to further enhance already existing brotherly and friendly relations between the two countries, on behalf of their respective countries.

An MoU to this was effect was also signed by the Balochistan Governor Owais Ahmed Ghani and Governor Seistan-Balochistan Dr. Habibullah Dahmardeh at a historic meeting in Zabul (Iran).

Under the MoU, it was decided that exchange of high level delegations between Balochistan and Seistan would be enhanced and meetings and talks between the officials of the two provinces or Iran and Pakistan would be continued.

About promotion of economic cooperation it was stressed that trade volume between the two countries would be increased and steps would be taken for achieving target of one billion dollars annually.

It was further decided to improve rail link between the two countries while problems of drivers and transporters would be resolved through Joint Road Transportation Committee. Matter of reduction in customs duty would also be reviewed and anti smuggling steps and promotion of legal trade would also be taken.

Research Publication in 3rd International Conference on E-Governance (ICEG 2005) LUMS

Report by: *Muhammad Asif Naeem*
Lecturer, Department of Computer Science

It is honor for Computer Science Department and BUITMS that my research paper with title "CODWIM: Context-based Ontological Dynamic Web Information Mining Framework for Pervasive Environment" has published in 3rd International Conference on

The abstract of paper is-

As Web is a huge resource repository, due to which growth of dynamic Web page generation techniques, the amount and the complexity of Web information has been increasing explosively, as has the information contained within Web pages. Most of the unstructured and irrelevant information is distributed and mixed throughout a page, making it difficult to automatically drive the user for Web information (context-based) browsing, it is also difficult to identify the useful information in that page specified to the user context. We propose the dynamic Web information adaptation framework in this paper, using the framework; we can extract the significance and the relationship value of information contained with in a Web page in accordance with the user's context, the track of the user context will also be maintained in order to facilitate him/her with more useful information using web mining agents. This framework can be used to generate new dynamic Web information structure for the browsing process. Our context-based dynamic information adaptation framework transforms the information in a new Web information structure using the context-aware information generation process by applying the Ontologies of Web pages to build the new information structure, the Agents are used to collect and mine the Web context information.

SETUP OF CLUSTER COMPUTING LAB IN BUITMS

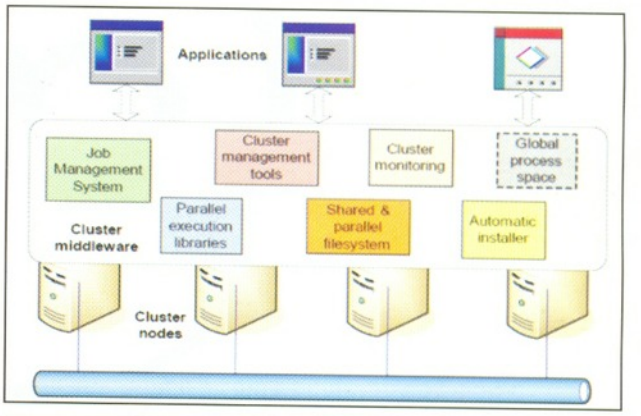
A PROJECT LEADING TO EMERGING TECHNOLOGIES

Reported by: *Riaz-ul-Amin*

Research Associate,
Department of Computer Science

The objective behind the implementation of cluster computing project in BUITMS at Takatu Campus is to provide a baseline for the enhancement of research work in the field of latest research and emerging technologies.

A cluster is a group of individual computer systems that can be made to function as a single computer system. There are two primary types of systems that make up a cluster-Nodes and Managers (Server). The cluster manager is the core of the cluster. It determines how work is to be divided among the cluster nodes. The cluster manager distributes the workload to each cluster node. The cluster node then processes the job. After processing it either sends the result back to the cluster manager or directly to the client that requested the result. There are two types of clusters, Data cluster and computational cluster. Computational cluster manages the sharing of distributed computational power while data cluster manages the sharing of distributed storage. (Like Real Application Clusters in Oracle 10g).



Key Advantages of cluster for BUITMS

As BUITMS is one of the rapid growing Public Sector Universities and very soon its student's strength is likely to rise significantly, it will become very difficult to manage the university data by a sole computer. Moreover different research tasks related to BUITMS Departments like Gnome, Image Processing, Image Rendering, Neural Networks and Data Mining Algorithms etc can be accomplished using the cluster environment.

Following team members are the resource persons for this project.

Faculty members:

- Riaz-ul-Amin (Project Coordinator)
- Imran Sarwar Bajwa (Research Member)
- Mohammad Asif Naeem (Research Member)
- Zeeshan Khan (Network Advisor)

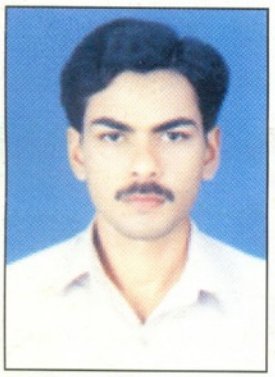
MS Students

- Ali Afzal (Member)
- Afraz Ahmed (Member)
- Muhammad Kamran (Member)
- Muhammad Jahanzaib (Member)

This team demonstrated its first briefing to the worthy Vice Chancellor BUITMS Dr Muhammad Abbas Choudhary on 27-Jan-2006 at Takatu Campus in the presence of all the respectable faculty members.

Research Publication in IEEE--- 2005 International Conference on Emerging Technologies (ICET-2005) Islamabad.

Report by: *Imran Sarwar Bajwa*
Lecturer, Department of Computer Science



It is honor for Computer Science Department and BUITMS that my research paper with title " PCA based Image Classification of Single-layered Cloud Types" has published in IEEE---2005 International Conference on Emerging Technologies (ICET-2005), September 17-18, 2005 Islamabad.

The abstract of paper is-

The paper presents an automatic classification system, which discriminates the different types of single-layered clouds using Principal Component Analysis (PCA) with enhanced accuracy as compared to other techniques. PCA is an image classification technique typically used for face recognition. Principal components are the distinctive or peculiar features of an image. The approach described in this paper uses this PCA capability for enhancing the accuracy of cloud image analysis. To demonstrate this enhancement, a software classifier system has been developed that incorporates PCA capability for better discrimination of cloud images. The system is first trained using cloud images. In training phase, system reads major principal features of the different cloud images to produce an image space. In testing phase, a new cloud image can be classified by comparing it with the specified image space using the PCA algorithm.

Financial Management Course for Engineers and Technocrats

Report by *Mr. Abdul Raziq Khan*

Balochistan University of Information Technology & Management Sciences sent Mr. Abdul Raziq Lecturer Faculty of Management Sciences to attend a 3- day(1st, 2nd and 3rd Feb, 2006) postgraduate short course on : Financial Management For Engineers And Technocrats, which was organized by NED University of Engineering & Technology, Karachi, the Center For Continuing Engineering Education. This course was designed to provide an understanding of the key concepts in finance and blends broad financial principles with the engineering profession to help engineers and managers make effective and timely decision. Managers and Engineers from different corporate sectors participated in this short course. The trainers were Engr. Amir Bashir: BE (NED), CFA level 1, CFA institute USA and Mr. Yosuf khan: MBA (IBA) Master trainer (LUMS-McGill, Canada).

This short course was comprised of three full day sessions. The topics covered on day 1(from 9:30 1:00) were financial accounting and statements, the accounting equation, balance sheet, income statement, cash flow statement, statement of retained earnings. From 2:00- 4:30 finance as a function of business, the objective of financial management, financial control, budgeting, zero- base budgeting, cash budgeting, inventory control. On day 2 (from 9:30 1:00) business cycle, working capital management, working capital management & financing decision. From 2:00- 4:30 capitalization Vs. expensing, impact on financial statements due to capitalization vs. expensing. On day 3 (from 9:30 1:00) time value of money, simple interest and compound interest, present and future values, compounding of series payments, valuation models. Decision making financial tools for project financing, project cash flow analysis. From 2: 30 4:30 computer lab- excel based project decision making financial tools & various parameters through leasing financing schedule.

On the final day the chief guest (Dean Faculty of Computer & Emerging Sciences NED University of Engineering & Technology) distributed the certificates among the participants