



# Newsletter

Aug-Sep, 2005

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## Editorial

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If you try to get a visual glimpse of some silent change taking place under the surface, you can grasp the importance of the 6<sup>th</sup> Free IT Awareness program. This program is a part of the vision of BUITMS to spread computer literacy among the masses so that they are familiarized with the change which is going to alienate all those who do not subscribe to the idea of change. Considering it as a moral obligation, BUITMS right from the day of her establishment, embarked upon the task of fulfilling her obligation by opening her doors to all and sundry for getting the basic computer know-how.

What is going to be the ultimate outcome of this endeavor? Hundreds of participants familiarized with basic computer skills would be initiated in the art of those activities without which future education won't take off.

Within a short span of time, all educational institutions and all teachers are expected to make frequent use of information technology in their classrooms. Gone would be the days when only the blackboard and pieces of chalk were the teachers' accessories. Gone would be the days when the scope of knowledge was confined only to the pages of text books. Gone would be the days when lessons learnt by the teachers 30 odd years ago were literally vomited out before the classes year after year without any attention to innovation or updating.

The world is changing and changing rapidly under the impact of electronic devices.



## 6<sup>th</sup> Free IT Awareness Program at BUIITMS

Report by: *Sadiq Ahmed Bugti*



*Governor Balochistan visiting Free IT class  
at BUIITMS*

Living up to her commitment of propagating and disseminating knowledge in the domain of Computer literacy and Computer applications amongst the general populace of the province, the Balochistan University of Information Technology and Management Sciences arranged the 6<sup>th</sup> Free IT Awareness Program from 6<sup>th</sup> August to 2<sup>nd</sup> of September, 2005. A remarkable feature of the program was that it was simultaneously conducted at the city campus as well as at the Takatu Campus of BUIITMS. As usual, the program was conducted with the help of volunteer students during the semester break.



*Free IT class in progress*

A total of 701 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 learners' group comprised 602 males and 99 females. Among them were 95 boys and 19 girls below the age of 15, while 507 men and 80 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; ups are fast realizing the importance of IT for moving upward in all professional spheres. The provision of physical facilities like computers and computer accessories, internet connections etc was undertaken by the BUIITMS without charging a single paisa from the participants.



*Free IT class in progress*

Volunteer students diligently conducted the courses according to the intellectual level of the participants and focused on the individual needs. One of the participants, Dr. Yasmeen Mandokhel, a senior medical practitioner described her experience of the sessions as inspiring and rewarding in the sense that she enjoyed working and learning in a very conducive and genial atmosphere during the entire program.

The 6<sup>th</sup> Free IT awareness program was held under the expert supervision and guidance of Dr. Muhammad Nawaz, Chairman, Department of Computer and Emerging Sciences, Dr. Ishaq Ghaznavi, Director, Research Coordination and Mr. Qadeem Kakar of Students Affairs Department.

Honorable Governor Balochistan, Engineer Owais Ahmed Ghani, during his visit to Takatu Campus was highly impressed by the dedication of the student instructors as well as by the zeal and motivation of the participants.

BUIITMS 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 general public as well.

This time, the program took an evolutionary step forward by offering advanced instructions to those who had previously attended the basic programs. 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.





## Governor State Bank Visits BUITMS

Report by: *Miss Qurrat-ul-Ain*



*Governor SBP and VC BUITMS taking a round of the campus*

BUITMS had the privilege of being visited by His Excellency Dr. Ishrat Hussain, Governor State Bank of Pakistan, on July 22, 2005.

Worthy Vice Chancellor Dr. Muhammad Abbas Choudhary gave a warm welcome to the honorable guest. Dr. Ishrat went on a round of the City Campus showing great interest in various sections. He was accompanied by Dr. Muhammad Abbas Choudhary, Vice Chancellor, BUITMS.



*Governor SBP and VC BUITMS discussing academic issues*

In the formal session Worthy Vice Chancellor traced the history of the university. He mentioned the fast pace at which the University marched ahead towards disseminating knowledge among the talented youth. The interest of students and their parents was particularly focused. He said that this new institution had adequate justification for taking pride in the rapid pace of development and attainment of a high standard of quality of the international level. He further briefed the venerable guest about the recent signing of MOU's with 5 American Universities for collaboration in research activities and faculty and students exchange programs. The Honorable

Governor SBP himself witnessed the development work going on at the City Campus.



*Dr. Ishrat Hussain addressing the audience*

In his address, the Governor SBP applauded the excellent work done by the VC and his team for amelioration of educational standard and touching new milestones in the history of Balochistan. He extolled the untiring efforts of Vice Chancellor and his colleagues including Deans, Chairpersons, Faculty Members and Administrative Staff for creating a conducive atmosphere for learning in a less developed area. He also praised the efforts for spreading quality education but on the other hand he also emphasized the need for improvement in all aspects of education by focusing more on practical research efforts. He emphatically mentioned that improvement should be there in order to meet competition in the job market where the leading institutes of the country are also standing with their highly qualified graduates.



*Audience listening to Governor SBP*

After his formal address, queries were invited from the audience. Worthy Vice Chancellor also showed keen interest by asking pertinent questions on Pakistan economy. The participants were really impressed to see the performance evaluated by the Governor, who himself is considered to be a contributor in major economic decision-taking and implementation. The synopses of the discussion were



mainly the future prospects of Pakistan's economy and its growth. The Honorable Governor elaborated the policy decisions taken in this regard. He brought in limelight the efforts of present government being carried out, in order to provide sound footings for the debilitated economy in this age of Globalization.



*Audience listening to Governor SBP*

The audience were interested in knowing the effects of day to day changing international conditions and the steps taken by the government in order to save Pakistan's economy from their unpropitious effects. This informative session with Governor SBP visit was a memorable event in the history of BUITMS. Dr. Muhammad Abbas Choudhary expressed his gratitude to Dr. Ishrat for his valuable suggestions for further advancement of education and the educationists.

### **BUITMS AT ITCN ASIA-2005**

**Report by: Dr. Sabir Hussain Usmani**



*BUITMS Team at ITCN 2005*

ITCN Asia 2005 is the 5<sup>th</sup> consecutive IT annual event which took place in Karachi on August 9 -11, 2005. Balochistan University of Information Technology & Management Sciences has completed its three years of existence and is participating in this Mega event every year with innovative projects on display and full participation by students and faculty members. This is the forum which provides a good interaction with software/hardware companies and yields long term

effects in terms of knowledge and new products. The visionary and constructive approach & ideas of our Honorable vice chancellor Dr. Muhammad Abbas Choudhary made it possible for us to participate in this event with complete financing, coupled with administrative and moral support



*Dr. Sabir Hussain Usmani welcoming the guests*

Prof. Dr. Sabir Hussain Usmani was the team leader of ITCN Asia 2005. The team included 40 students from different disciplines, 6 Faculty members and supporting staff and administrative members. All the team members left Quetta on 7<sup>th</sup> August, 2005 by the University bus. The whole journey was very pleasant and full of discussion among faculty members and students on different topics. Dr. Abid provided lots of information on minerals/ rocks in kallat and khuzdar regions.

The stall was organized with the cooperation of IT Department Government of Balochistan for the representation of the BUITMS in particular and the province of Balochistan in general.



*Guests taking interest in BUITMS Displays*

BUITMS students displayed projects based on Hardware, parallel clustering computer and mobile application categories. The computing cluster and ROV was the centre of attraction for all the visitors and encouraged by respective experts. Every well wisher appreciated not only the participation of our University but also the performance of our students.





*BUITMS Stall at ITCN 2005*

The BUITMS team stayed in the guest house of Public School & College North Karachi. We are thankful to Prof. Dr. Sultan Ahmad and his coordinate Mr. Jameel Usmani for arrangement of comfortable stay of such a large group. Five Projects of software and hardware orientation were selected for this exhibition.

## SUMMARY OF THE PROJECTS

### Remotely Operated Vehicle (ROV)

**Team Leader:** Dr. S. H. Usmani and  
Mr. Nisar Ahmad (Lecturer)



*Remotely Operated Vehicle on display*

**Team Members:**  
Mr. Wajahat Maqbool  
Mr. Kamran, JehanZeb

A new and more practical version of ROV was constructed which has been tested for diving in all directions in addition to vertical & slanted dive in its first phase of development. It is certainly an efficient and more secure replacement of the human divers in lakes, sea & other related water locations

### PARALLEL CLUSTER COMPUTING



*Parallel Cluster Display*

**Team Leader:** Prof Dr. Mohammad Nawaz  
**Team Members:** Faraz Ahmed, Ali Fazal

BUITMS has successfully implemented the computer clustering with 6 nodes. This provides a cheaper but very fast calculating methodology and is taken as a replacement for super computer. BUITMS has also been awarded Rs. 1.22 million by HEC for a project with 50 nodes.

### BUITMS ELECTRIFICATION THROUGH SOFTWARE

**Team Leader:** Mr. Khalid Mengal  
**Team Members:** Tauquir-ul-Haq,  
Adeela Usmani

Students of BS Electronics Engg developed a model of BUITMS City Campus and controlled its Electrical installation through software.

### SIMULATION OF WINDOW 2000 INSTALLATION

**Team Leader:** Mr. Mohammad Nadeem  
**Team Member:** Mr. Jamshed Dastur

This project helps the people who are not familiar with the installation of windows 2000 server. This project displays all the installation steps in an interactive way without making any unpleasant effect on the computer system.



## NEW APPLICATIONS IN MOBILE COMMUNICATION

**Team Leader:** *Mr. Zeeshan Khan &  
Mr. Waqas (MS Foundation)*

The team developed new applications in the mobile communication which are the need of today's business market.

### Plaque Unveiling Ceremony at BUITMS

**Report by:** *Dr. M. Ishaq Ghaznavi,  
Director Research Coordinator*

12<sup>th</sup> August, 2005 was an important day in the history of Balochistan University of Information Technology and Management Sciences (BUIITMS). Though its history is not very long, in fact less than 3 years, this university has established itself as a competitive, progressive and research oriented university. The students' enrollment exceeded 2000, and it was felt that the City Campus of BUIITMS needed expansion to accommodate the ever increasing student strength and also to have more space for class rooms, laboratories and offices for its growing number of faculty members. To tackle this problem a development scheme for Rs. 15.00 Million, was got approved from Higher Education Commission for the construction of another floor at the City Campus. In view of the importance of Biotechnology and Informatics faculty, a vast space on the new floor has been earmarked for its class rooms and its state of art laboratories.

Taking advantage of the 5<sup>th</sup> meeting of the Syndicate of BUIITMS, it was deemed fit that the ceremony for unveiling of the Plaque for the commencement of the construction of an additional floor may be held in the presence of the Chairman and the Members of the First/Founding Syndicate of Balochistan University of Information Technology & Management Sciences (BUIITMS). The august dignitaries unveiled the Plaque at 8:30 P.M. on August 12, 2005 to mark the beginning of the expansion of the City Campus.

The Vice Chancellor, Dr. Muhammad Abbas Choudhary, briefed the members of the Syndicate about the City Campus which has two major faculties\_ Biotechnology and Management Sciences. Besides that the V.C Offices and the Administration block are also located in this building. This campus has three computer laboratories and also laboratories for Biotechnology Department.

After the completion of additional floor, which is expected within 6-7 months time, this campus will have 4 additional seminar rooms, 5 class rooms and 6 spacious rooms for the establishment of state of the art laboratories for the Faculty of Biotechnology and Informatics. The new floor will also provide office space for 18 faculty members.

The members of the Syndicate were greatly impressed by the rapid pace of progress of BUIITMS and expressed their appreciation for the energy, commitment, drive and vision of the University Management. The members of the Syndicate remarked that the students of this Province were lucky to have such high standard of education and good science laboratories in the Provincial Capital. They said this university, under the leadership of the Vice Chancellor, will become a model progressive and research oriented University comparable to any foreign advanced university.

After the ceremony a dinner was hosted by the Vice Chancellor in honor of the Syndicate Members. It was largely attended by the dignitaries, journalists, top bureaucrats, faculty and staff of BUIITMS.

### Fifth Syndicate Meeting of BUITMS

**Report by:** *Dr. Sabir Hussain Usmani  
Dean, faculty of Computer & Emerging Sciences*



*Some members of the Syndicate*

The fifth meeting of the syndicate of BUIITMS was held on Aug 13<sup>th</sup>, 2005 at 10:00 A.M at Takatu Campus. Before the formal commencement of the meeting, a tour was conducted for the Honorable Members of the Syndicate to apprise them of the newly developed scientific facilities at Takatu Campus. The Syndicate Members were first taken to the Owais Ahmed Ghani Engineering Research Centre, housing CAD/CAM and Engineering Graphic Laboratories. They were also shown the facilities provided at Multi Protocol Networking, Capital VLSI Design, Telecommunication Engineering, Computer Architecture Engineering Design And Cluster Supercomputing Laboratories





Of Computer and Emerging Science Faculty of BUITMS. The members were greatly impressed by the rapid pace of development and expressed their appreciation for the relentless effort, drive and vision of the Vice Chancellor for establishing the state of art laboratories in the field of Computers, Electronics and Telecommunication in a short duration of less than 2 years. They observed that the provision of excellent scientific laboratories and educational environment will greatly help the students of this university compete with the alumni of good foreign universities.



*Syndicate meeting in progress*

The members visited the ongoing civil work, which includes the construction of the Faculty Hostel, Students Hostel, Vice Chancellor's Residence and the renovation and retrofitting of Hall No 1 which will provide additional class rooms, seminar hall, computer laboratories, Chemistry Laboratory and faculty offices.



*Some members of the Syndicate*

After the tour, the 5<sup>th</sup> Syndicate Meeting commenced with the Vice Chancellor, Dr. Muhammad Abbas Choudhary in chair. After recitation of verses from the Holy Quran, the Vice Chancellor welcomed the Syndicate members to the Takatu Campus of BUITMS.

The Vice Chancellor briefed the members on the progress of different faculties, current state of affairs and vision for future direction of BUITMS.

Then the members discussed in detail the following issues:

- Academic Organization
- Strengthening Physical Facilities
- Current & Future Academic Programs
- Current Enrollment and Future Plan
- Faculty & Faculty Development Programs
- Current & Future Research Direction
- Financial Affairs & Development Plans
- Adoption of the Model University Ordinance
- Establishment of Endowment Fund
- Fees & Scholarship Schemes
- International Collaboration

After detailed discussion, guidance and advice by the honorable members for certain amendments and changes, the proposals of BUITMS on the above mentioned issues were approved.



*Syndicate members listening to VC*

The members also discussed and approved the recommendations of:

- I. Academic Council
- ii. Finance and Planning Committee
- iii. Affiliation Committee
- iv. Management Committee



*Syndicate members listening to VC*

The Future Plan of the university was also approved after detailed discussion and incorporation of additions and amendments suggested by the honorable members. The members also gave approval to the contracts awarded for the construction projects in the university.

The meeting ended with vote of thanks from and to the chair.



*Syndicate Meeting in Progress*

### **Foundation Stone Laying Ceremony of Jinnah Hostel of BUITMS at Takatoo Campus**

*Report by: Dr. Ishaq Ghaznavi,  
Director, Research Coordination*



*Site of Jinnah Hostel*

17<sup>th</sup> August, 2005 was a memorable day in the brief history of Balochistan University of Information Technology & Management Sciences, when the Honorable Governor Balochistan, Engineer Owais Ahmed Ghani, laid the foundation stone of Jinnah Hostel of BUITMS, at Takatu Campus.



*Governor Balochistan in Drawing Section*

About one year back the deserted and desolate building of the defunct Bolan Textile Mill was handed over to the BUITMS for converting it into a campus for accommodating its two important Faculties namely: the Faculty of Computer and Emerging Sciences and the Faculty of Engineering and Applied Sciences.

With the unrelenting and untiring efforts and vision of the worthy Vice Chancellor, Dr. Muhammad Abbas Choudhary, it was transformed into an institution bustling with students and many a state of the art laboratories equipped with most modern scientific equipment.



*Construction work in progress*

The students from far flung areas of Balochistan are presently accommodated temporarily in the renovated old residential bungalows of the defunct Bolan Textile Mill. To provide proper accommodation to the students, a development scheme for Rs. 35.97 million was approved by the HEC for the construction of Students' Hostel for 200 students.

In this regard BUITMS feels deeply indebted to the Chancellor/Governor, His Excellency Owais Ahmed Ghani who in spite of his very busy schedule spared time to lay the Foundation stone of Jinnah Hostel, the first regular Hostel of BUITMS.

It would not be out of place to mention that the old Bolan Textile Mill building was handed over to BUITMS as a result of the efforts of His Excellency Owais Ahmed Ghani. In appreciation of this, BUITMS named its most modern and sophisticated engineering laboratory as "Owais Ahmed Ghani Engineering Research Center."

After laying the foundation stone of the Jinnah Hostel, the Honorable Chancellor prayed to Allah Almighty for bestowing success on the efforts and for helping us realize our dream for the uplift of students and for the achievement of the objective of providing quality education at the university. Later he visited the "Owais Ahmed Ghani Engineering Research Center housing CAD/CAM and Engineering Graphic Laboratories.

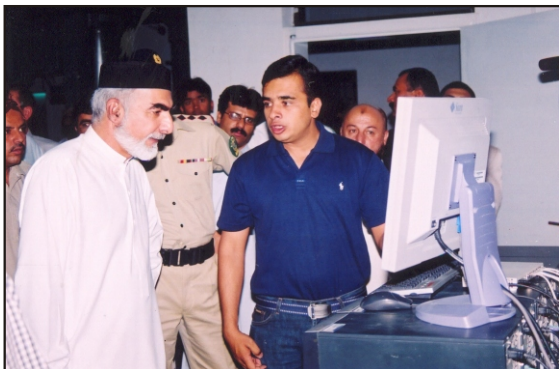
The Honorable guest was shown the facilities provided at Multi-protocol Networking, Capital VLSI Design, Telecommunication Engineering, and Computer Architecture Engineering Design and Cluster Supercomputing Laboratories.





*VC BUITMS explaining the project*

The Vice Chancellor BUITMS gave a presentation to the distinguished guests about the University. This included information about the three campuses and facilities being provided, existing and future programs of studies in different faculties, research set up including new labs and projects, faculty development, students' enrollment and lastly the future direction and vision for this university.



*Governor Balochistan in the Lab*

The Honorable guest praised the rapid pace of development and expressed his satisfaction and great appreciation for the relentless efforts, drive and vision of the Vice Chancellor Dr. Muhammad Abbas Choudhary, and his colleagues for providing such modern scientific facilities in the field of Engineering, Computers, Electronic and Telecommunication in a period of less than a year. He remarked that these scientific facilities will provide a cutting-edge for the technical progress of this province in particular and of Pakistan in general.

The Honorable Governor proposed that a group of students from the faculty of Petroleum and Gas Engineering be taken on a visit to the off-shore oil exploration site in the Arabian Sea so that they could get first hand information on the projects of immense value.

The Chancellor/Governor also remarked that excellent scientific laboratories and educational environment available at BUITMS would greatly help the students of this province in attaining sufficient capability to compete with good Foreign Universities of the world.

The honorable guest also expressed satisfaction on the progress of the on going civil work which includes the construction of the Faculty Hostel, Vice Chancellor Residence and the renovation and retrofitting of Hall No. 1 which will provide additional classrooms, seminars hall, computer laboratories, Chemistry laboratories and faculty offices.

### **Brain Storm 2005**

**Report by: Muhammad Ajmal Khan**

A team of BUITMS students participated in an IT Exhibition, Conference and Quiz Competition held in Pearl Continental, Peshawar. It was organized with the joint collaboration of Brains Education, Peshawar and E-Commerce Gateway, Singapore.



*Group photo of BUITMS team*

Students from BUITMS were very enthusiastic in taking part in all the events of the exhibition. Both software and hardware projects prepared by them earned a huge amount of appreciation from the audience. Their hard work commitment and the university as a whole won immense applause for making it all possible.



*Students displaying the projects*

In software, BUITMS Student Record System (BSRS), Wireless Mobile Applications (WMA), Online BUITMS Discussion Forum and EQuetta.com were exhibited. EQuetta.com is a master piece of City Soft, Quetta, and a software house of BUITMS students. Waqas Baber MS (CS) 1<sup>st</sup> Semester and Khurram Sharif BS (CS) 6<sup>th</sup> - Semester Core



Participated in the exhibition with their following projects:

Waqas Baber's Project:

1. Mobile Applications.

Khurram Sharif's Projects:

- I. EQuetta.com
- ii. BUITMS Discussion Forum.



*Project displayed in Brain Storm*

As a result, they formed Joint Venture with their company name, City Soft with two major companies, namely:

- i. EFKAY Technologies, Islamabad (for Wireless and Mobile Applications)
- ii. Tech Track, Peshawar (for Web-based Database Applications)

In hardware, a Robotic Arm interfaced through computer and Remotely Operated Vehicle (ROV) were the center of attraction at the Balochistan Pavilion. The Robotic Arm has already won First Prize in 2<sup>nd</sup> All Pakistan Inter-Universities Competition under the Hardware Project Designing category organized by SAFE and HEC held in late 2004. ROV is a unique mega-project and the first of its kind all over Pakistan and it will be a big contribution towards Pakistan Defense after its early completion.



*Guests at the BUITMS Stall*

In Online Quiz Competition 6 (six) senior most students from Computer Sciences and Computer Engineering disciplines BUITMS, qualified in the first phase held in Quetta on May 25, 2005. The second phase was conducted in PC, Peshawar on May 29.

The students who appeared have got high percentages of 85-95. Since it is online series of Quizzes, further phases will be conducted via web in which the students will appear from Quetta. It was jointly organized by Virtual Academy, Pakistan and Brains, Peshawar.



*Faculty BUITMS led the team*

The Conference was a major event of Brain Storm 2005 in which researchers from all over the country read and presented their papers. BUITMS faculty members Mr. Zeeshan Khan and Mr. Nisar Ahmed, Lecturers, Faculty of Computer and Emerging Sciences accompanied the students for this event.

## Glasgow Scholars visit BUITMS

*Report by: Syed Ahmad Ali Shah*

**Peter Meadows** is a graduate of the University of Cambridge (M.A. Natural Sciences) and of the Open University (B.A Mathematics). He is a Chartered Biologist (C.Biol.), a life fellow of the Institute of Biology (F.I.Biol.), a life fellow of the Royal Geographical Society of London (F.R.G.S), a life fellow of Zoological society of London (F.Z.S), and a fellow of the Linean society of London (F.L.S). He has an international record of distinguished academic leadership in teaching and research in environmental science and related subjects - particularly in developing countries. This includes the impact of natural hazards and biodiversity, and the organization of four international conferences with his wife. He and his 30 postgraduates at Glasgow University have published 170 publications and four books. He has participated in and organized a number of international oceanographic research cruises including work in the Indian ocean and Arabian Sea, and has led many field expeditions in a number of countries especially in Pakistan. These include the Royal Geographical society's 1999 International Hindu Kush Expedition to Chitral. He is currently an honorary lecturer in the Institute of Biomedical and Life Sciences, University of Glasgow.





*Azra Meadows & Peter Meadows*

**Azra Meadows** holds M.Sc. and Ph.D degree from the University of Glasgow. She is a chartered biologist (C.Biol.), fellow of the Linnaean Society of London (F.L.S), a life fellow of the Zoological society of London (F.Z.S), and a member of the Institute of Biology (M.I.Biol.). She has an international record of outstanding leadership in environmental Management, biodiversity and rural communities, particularly in relation to Coastal zones, rivers and mountains in developing countries, especially in Pakistan. She has lectured on Environment Management at the University of Bradford and is currently doing so the University of Glasgow. Azra Meadows has published over 70 publications, including three books, and has supervised number of postgraduates. She is currently a trustee and council member of the zoological society of London. a board member of Scottish academy of Asian Arts, a board member of the Meridian Ethnic Minority Woman's centre, and chairperson of the Scottish Pakistani Association. She is also editor of the Glasgow Naturalist Journal. Azra Meadows is currently an honorary Lecturer in the Institute of Biomedical and Life Sciences at the University of Glasgow.

Peter Meadows and his wife Azra Meadows have wide work experience of and long term commitment to Pakistan, its culture, and its people. In Pakistan, they are especially interested in environmental management, poverty alleviation, rural communities and the sustainable use of natural resources. This work focuses on the coastal zone and on the mountainous northern areas of Pakistan. In the United Kingdom, they have also been involved in a number of communities orientated projects related to ethnic minorities.

### **Honors:**

In 1994, Peter Meadows was awarded the Geotechnical Medal of the Institution of Civil Engineers for his joint work with civil engineers. In 2002, Azra Meadows and Peter Meadows were separately honored with awards at the British

Muslims honors Dinner at the House of Lords, Westminster, and London. The awards were presented by the Leader of the House of Lords, Lord William of Mostyn. Azra's award citation was for promoting higher Education Exchange Scheme, rural community development, and sustainable Use of Natural resources, between the United Kingdom and Pakistan. Peter's award citation was for promoting scientific, educational and cultural Links between the United Kingdom and Pakistan.

In 2005, Peter Meadows was awarded Sitara-i-Quaid-i-Azam (star of the great leader) by President Pervaiz Musharaf on behalf of the Islamic Republic of Pakistan, for his and his wife's international work on education and the environment in relation to Pakistan. This award was announced in 2004 and conferred on 23rd March 2005 at an investiture ceremony in London by Dr Maleeha Lodhi, Pakistan High Commissioner to the United Kingdom.

### **3rd Staff Development Program**

**Report by:** *Prof Sultan Mehmood Niazi*  
*Director Modern Languages*

The H.E.C has embarked upon a series of training programs aimed at enhancing the effectiveness of the faculty and teachers at the higher education level. BUITMS is one of the centers selected by the Higher Education Commission for the purpose and two such programs have successfully been arranged. The feedback received from the trainees is highly encouraging and heart-warming as the young teachers were provided opportunities for realizing their own potential and the knack of marshalling and utilizing the available resources, however modest they may be.



*VC Addressing the Trainees*

The 3<sup>rd</sup> Program of staff development under the aegis of BUITMS and NAHE of Higher Education Commission was inaugurated on 8<sup>th</sup> of August, 2005. Prof. Fazal Bari, course coordinator, highlighted the aims and



objectives of the program and described the modalities designed for achieving the optimum outcome. He especially mentioned the far-from-satisfactory professional approach used by the teachers in the province and exhorted the trainees to build up their image as dedicated and competent teachers.

Dr. Mohammad Abbas Choudhary, VC, BUITMS, who was the Chief Guest on the occasion, emphasized the need of continuous learning and updating of the proficiency on the part of teachers. He stated that in the modern era, the task of the teachers has become more demanding as they have to compete with the ever-evolving technology.

The students expect their teachers to outclass the internet and web pages in order to carve a place of respect for themselves in the academic sphere. Dr. Choudhary advised the young trainees to inspire their students to seek more and more information and to be pragmatic and practical in their approach. He stated that the present era is not the era of isolation. Globalization demands the teachers to prove their worth by undertaking research projects and by publishing papers in reputed journals. He cited the example of Dr. Atta-ur-Rehman. If you start searching for his achievements, a click on the internet would reveal the monumental contributions made by the great scientist and scholar.

### **Governor Balochistan & Chancellor BUITMS Visit to Vertical Air Tunnel Wind Turbine Research Site in Takatu Mountain**

*Report by: Dr. Masood A. Khan*



*Site of Wind Tunnel under discussion*

The energy sector in Pakistan is under constant threat because of the population growth, rapid industrialization and fast diminishing traditional power generation resources. The government of Pakistan has stressed upon the need for developing alternative energy sources to meet the growing needs of electricity in the country. Because of the situation in

Pakistan in general and in Balochistan in particular, it is incumbent on the scientists and engineers of the province to devise alternative energy sources to supplement the present generation capacity in order to help the government keep the electricity rates within the reach of the common man.

Keeping in view the above facts, the Honorable Governor Balochistan and the Chancellor of BUITMS, came up with a unique challenging idea of electricity generation with the help of artificially induced wind energy in contrast to the traditional method of using natural wind velocity for electricity generation. Balochistan is a mountainous and arid area and offers many attractive sites for the generation of energy form artificially induced winds. For this purpose, an experimental five feet diameter vertical steel tunnel (pipe) rising to a total height of 500 feet will be installed in Quetta Valley in the Takatoo Mountain range near Chashma Achozai, north-east of BUITMS Takatoo Campus at Baleli. BUITMS plans to install an experimental Vertical Tunnel Wind Turbine at this site for studying the suitability/feasibility of this type of wind energy system under conditions prevailing in Balochistan. This site will also be used to test different types of Air Turbines to study the suitability/feasibility of this type of wind energy system under conditions encountered in Balochistan, and to evaluate the performance of the Tunnel and Turbines based on the data-generated and to use the results for planning and devising future experiments.

In order to select the research site and to inaugurate the project, the Honorable Governor Balochistan & Chancellor BUITMS, Quetta, Mr. Owais Ahmed Ghani along with the Worthy Vice Chancellor BUITMS, Dr. Muhammad Abbas Choudhary, visited the Takatoo Mountains on Aug 03, 2005. Other senior BUITMS faculty members were also present on the occasion. The Honorable Chancellor thanked the Vice Chancellor and especially appreciated the presence of the female faculty. Dr. Maqsood A. Khan, Project Director, briefed the Honorable Governor regarding the project activities. The Honorable Governor climbed up the mountain and inspected a couple of potential sites for the installation of the wind tunnel. Finally he selected one after a brief discussion with the Vice Chancellor and other scientists present there. Then the Honorable Governor dismounted the Takatoo Mountain and came to the site where refreshments were arranged and all the faculty members and guests were waiting for him. He met all of them one by one and asked them about their respective fields and research activities. The Vice Chancellor, Dr. Muhammad Abbas Choudhary and other faculty and staff thanked the Honorable Governor for taking personal interest in the development of the project.