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New VC's MESSAGE

On the assumption of charge as the Vice Chancellor, BUITMS I feel honored and privileged to contribute my expertise for the growth of an educational institution of high repute. With my technical background and forward-looking professional approach, I am disposed to carrying this toddler institution to its avowed objective of being one of the most distinguished and prestigious seats of higher learning in the country.

The world is changing and advancing at a rapid pace in the global perspective and we have to move at double speed in order to catch-up with the advanced nations. There is little scope for indulgence in unproductive pursuits now. This university has a sound developmental base and needs to keep expanding and growing both in physical dimensions and intellectual standards. The government and the Higher Education Commission are all out for the realization of such objectives. Those who planned the establishment of this Alma Mater and those who nurtured its growth with relentless dedication, owe our gratitude. The founder Chancellor and all his worthy successors have been providing outright support for the stable growth of this university.

I expect the students to seize this unique opportunity and devote all their mental and physical energies to the achievement of lasting capabilities. They have to move forward from their dependence on what is taught to them and to adopt the attitude of inquisitive and inductive probing into the heart of knowledge. They are required to aim at not only grasping the essence of the existing body of information, but also to acquire self-assurance and competence of creating knowledge through creative and reflective research. I exhort the faculty members to motivate their students, not only to focus on the prescribed courses of study but to avail of all the treasures of information available in the libraries and on the internet.

I wish all of my colleagues and our students, glorious success in their endeavors.



Engr. Ahmed Farooq Bazai takes charge of BUITMS as Vice Chancellor

**Report by: Prof. S. M. Niazi,
Director Languages**

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



New Vice Chancellor BUITMS

Engr. Ahmed Farooq was born in 1959 at Karachi. His father served as Major in the Armed Forces of Pakistan.

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

Equipped with latest technical skills and know-how, he started his professional career in the Communication & Works Department of the Government of Balochistan, and soon rose to the position of the Senior Engineer in which capacity he served upto 1989. Since then he has held various important executive and consultancy positions including those of the Chief Executive Director, Engineering Construction, Karachi, General Manger, SMEDA, Quetta, Project Officer, Water, Environment and Sanitation, UNICEF, Quetta and as Water and Sanitation Specialist on the WORLDBANK'S

Water and Sanitation Program for South Asia, Islamabad before being entrusted with the responsibilities of his present assignment i.e. Vice Chancellor, BUITMS.

Engr. Ahmed Farooq Bazai has extensive experience of work with the Pakistan Engineering Council where he was a

- Member of the Executive Committee
- Member of the Public Relations Committee.
- Consultant, Engg. Relations
- Member, Construction Regulation Committee
- Member, Selection Board
- Member, Pakistan Chamber of Engineers

In addition, Engr. Ahmed Farooq is member of numerous reputed International Forums, such as the American Concrete Institute, USA, Pre Stressed Concrete Institute, USA and American Society of Civil Engineers, USA.

Workshop on Self Assessment Procedures

**Report by: Mr. Niaz Muhammad
Assistant Registrar
(Quality Enhancement)**



A two-day orientation workshop on “Analyzing the quality of Higher Education through continuous self assessment” was held by Quality Assurance Agency at HEC building H-9 Islamabad. 10 representatives from already established QECS & new establishing QECS including BUITMS participated in the workshop.

Mr. Niaz Muhammad from the Balochistan University of Information Technology & Management Sciences was nominated to attend the workshop.

The objectives of the workshop were to elaborate the procedure of assessment especially to the new establishing QECS and to share views on self assessment procedure so that the universities may be assisted in improving the Quality of Higher education to bring it to the level of international standards.



The workshop was chaired by Dr. Riaz Hussain Qureshi. Following areas were the focal point of the workshop.

- i. Program mission, objectives & out comes
- ii. Curriculum design & organization
- iii. Laboratories & computing facilities
- iv. Students support & advising
- v. Process control
- vi. Faculty
- vii. Institutional facilities
- viii. Institutional support

The workshop was helpful for understanding the procedure and process of the self assessment and its value to enhance the quality of education in universities.

In the end, six monthly meeting was held and it was decided that every participant would prepare mission statement and objectives of his QEC to be presented in the next meeting which will be held in Karachi.

Study of Human glutathione S-transfrase Theta (GSTT1) gene from Genomic DNA and to check possible susceptibility of Carcinogenity link to the frequency of SCEs in Humans

Report by: S I.Malik, H. Doutani, M. R, Agha, J. Ahmad, M A K Malghani, G. Terzoudi

Cytogenetics Laboratory, Faculty of Biotechnology and Informatics Balochistan University of Information Technology & Management Science, Quetta, Pakistan NCSR Demokritos Agai Paraskevi, Athens. Greece.



In humans, the enzyme found in the erythrocyte genetic traits that confer increased susceptibility to DNA and chromosomal damage by Chemicals could be important individual risk factor in the development of human cancer. The nature of the hazard for humans derived from genotoxicity includes induced heritable genetic damage and tumor initiation. In the present experimental study isolated the genomic DNA from healthy as well as leukemia patients and have focused on polymorphism with the

glutathione S-transferase (GSTT1) family of enzymes as potential markers of these studies is to explore early biologic effect, and cancer occurrence especially childhood leukemia. Because of the prevalence of GSTT1 deletion is unknown in different population. We are comparing the prevalence of GSTT1 deletion using a polymerize chain reaction PCR based assay on various healthy and leukemia patients. Next study, is to examine the role of the GSTT1 polymorphism as a modifier of biomarker of genotoxicity associated with pesticide exposures. Simultaneously, I am also looking that whether individuals lacking in GSTT1 are hypersensitive to SCEs frequency. I am also testing the effect of GSTT1 deletion variations in relation to the frequency of sister chromatid exchanges (SCEs). In addition, because possible involvement of this gene in the prevention of leukemia in human population. We have to determine for the matching (interaction) of SCE frequency and the deficient of GSTT1 gene in healthy as well as leukemia patients.

Introduction

In Present studies, we tested weather null genotypes for the GSTT1 gene altered the frequency of SCEs in human blood lymphocytes. The ability to metabolize carcinogens varies among humans, and people with the reduce ability to detoxify chemicals may have an increased risk of Cancer .Gene coding for the GST mu 1(GSTM1) and theta 1 (GSTT1) patients were polymorphic in humans [14-16] and are absent, of homozygous null, in 10-60% of different ethnic populations. Previous epidemiological studies have associated with null genotypes for GSTM1 and GSTT1 genes with a high risk for a variety of cancers, including Lung, Bladder, Gastrointestinal tract, Skin, Cervix, and Breast cancer.

Sister chromatid exchange (SCE) analysis in human peripheral blood lymphocytes has often been applied as a cytogenetic assay for biomonitoring and genotoxicity testing of potentially mutagenic and carcinogenic chemicals. Sister chromatid exchanges (SCEs) represent the interchange of DNA replication products at apparently homologous sites on the two chromatids of a single chromosome, and are indicative of DNA damage corrected by recombinational repair. Such a strand recombination (crossover) is believed to be the basis for the formation of SCEs, and it has been found that S-phase dependent agents are very good inducers of SCEs, whereas ionizing radiation is a poor inducer (Perry and Evans, 1975). Even though the evidence of SCE formation came from early studies that demonstrated their occurrence during replication of chromosomes and paved the way to detect them easily a breakthrough in the visualization of SCEs.



. It was then shown that, when a thymidine analogue such as 5-bromodeoxyuridine (BrdU) is incorporated into the DNA for two cell cycles, the sister chromatids, which are different, namely bifilarly and unfairly incorporated BrdU (BB-TB), can be distinguished using Giemsa staining, fluorescence dyes, or their combination. The fluorescence plus Giemsa (FPG) technique became popular because of the ease with which the technique can be performed and also because the slides can be stored for a long time. At present, however, there are two main practical problems with respect to the use of SCE analysis for genotoxicity testing of possible human carcinogens.

Aim of study

The main goal of this study is to check the susceptibility of leukemia's patients by biomonitoring of Sister Chromatid Exchanges (SCEs). Secondly, it has been to investigated either there is any co-relation between genotype GSTT1 and the frequency of SCEs by using peripheral blood lymphocyte of Health and Leukemia's patients of In the present Study, the influence of polymorphic human glutathione S-transferase Theta (GSTT1) gene from genomic DNA has been checked for possible susceptibility of carcinogenicity link with SCEs frequency.

It has been reported that the GSTT1 detoxifying gene is sensitive to SCEs, and also been found in the literature that in the absence of GSTT1 gene the cancer chances is increases. Where as some other information indicated that there is no involvement of such genes in the regarding to carcinogenesis. The goal of our study to look, Is it true that the GSTT1 gene is affected on the frequency of SCEs in blood lymphocytes and what is the differences among GSTT1 (-) and GSTT1 (+) individuals.

Material and Methods

The experiments were conducted on human blood lymphocytes obtained by venipuncture from 30 healthy volunteers as well as Leukemia patients. The blood donors groups represented both sexes and different ages, and were all nonsmokers that are 19 females and 14 males and age ranges form 22 to 38 years. They are all healthy and none of them was exposed to any known mutagens (X-rays) for three months prior to cytogenetic examination. The GSTT1 genotype was determine by technique based on Polymerase Chain Reaction (PCR).

DNA Extraction from human blood lymphocytes

Whole-blood lymphocyte was taken with heparinized syringes from healthy individuals for DNA isolation.

Cell Lysis: For cell Lysis 300il whole-blood was added in a 1.5 ml microfuge tub containing 900 il RBC lysis solution. Inverted, mixed and incubated 10 minutes at room temperature, many times inverted during incubation. Centrifuged 20 second at 13,000-16,000xg. Supernatant was removed with a pipette and left visible white cell pellets and about 10-20 il or residual liquid. Vigorously vortexed the tube for the resuspending cells and pipetted up and down to lyses the cells.

Added 300il cell lysis solution to the resuspended cells and pipetted up and down to lyses the cells without incubation.

Protein Precipitation

Samples were cooled at room temperature, added 100il protein precipitation solution to the cell lysate. Vigorously vortexed at a high speed of 20 second for the mixing of protein precipitation solution uniformly with the cell lysate. Centrifuged at 13,000-16,000 x g for 3 minutes, a thigh, dark brown pellet was formed.

DNA Precipitation

Poured the supernatant containing DNA in to a 1.5ml tube containing 300il 100% Isopropanol (2-proppanol). Sample was mixed 50 times inverted gently. Centrifuged again at 13,000-16,000 x g for 1 minute; Visible DNA obtained in the form of small white pellet. Discarded supernatant and drained the tube briefly on a clean absorbent paper. Added 300il 70% Ethanol and inverted the tube several time to wash the DNA pellet. Centrifuged the sample at 13,000-16,000 x g for 1 minute and discarded Ethanol carefully to save the pellets. At the end inverted and drain the tubes on clean absorbent paper, and was allowed 30 minutes to air dry.

DNA Hydration

In the final step of DNA isolation added 100il of DNA hydration solution in the same tubes. DNA was allowed to dehydrate by incubating at 65C for I hour/ over night at room temperature. DNA stored at 2-8 C for PCR assay.



PCR and Gel Electrophoreses

For the PCR based analysis of GSTT1 polymorphism, sample of peripheral blood (5ml) were collected in heparin tube, Isolated DNA was used for determination of GSTT1 presence/absence.

PCR Protocol

For the SCE analysis, lymphocytes culture were establish in glass tubes Whole blood (0.5ml) was added to the growth medium consisting of 4.5 lm of McCoy's medium with glutamine (Gibco) supplemented with foetal calf serum (10%)(Gibco) , penicillin (100UI/ml) and streptomycin (100ig/ml) (Gibco) , phytoemagglutinin (1%) (PHA; Wellcome) and 5-bromo-2-deoxyuridine (5ig/ml) (BrdU; Calbiochem).The culture was incubated for 72 h at 37C. Colcemid (Gibco) in final concentration of 0.02 ig/ml was added 3 h prior to the harvesting. Double cultures were used for all treatments. The cell were harvested by centrifugation, and then given a hypotonic shock in 0.075M KCl and fixed in 3:1methanol: acetic acid.

Air-dried chromosome spreads were spreads were stained using a modification of fluorescence-plus Giemsa technique. For each culture, SCEs in 30 second division were scored. A few drops of Hoechst 33258 (5 ig/ml) in Sorensen buffer (pH 6.8) were placed on each slide and covered with cover slips. They were then placed on a slide warmer set at 550C and exposed to black light fluorescent lamp (Radium Supra Black HBT 125-281) at a distance of 2cm for 10 minutes exactly. Covers lips were removed by soaking the slides in Sorensen's buffer and stained with 3% Giemsa solution (Gurr R66 in Sorensen's buffer) for 15 minutes. At the end Mountain used for permanent of the slides.

Results and Discussions

Glutathione S-transferase T1 and Glutathione S-transferases (GSTs) are enzymes involved in the detoxification of several environmental mutagens, carcinogens, and anticancer drugs. GST polymorphisms resulting in decreased enzymatic activity have been associated with several types of solid tumors. Glutathione S-transferase null M1 and T1 (GSTM1 and GSTT1) genotypes have often been associated with increased risk of developing cancer. In Present studies, we tested weather null genotypes for the GSTT1 gene altered the frequency of SCEs in human blood lymphocytes.

Glutathione S-transferases (GSTs) are a family of important enzymes involved in the detoxification of a wide variety of known and suspected carcinogens, including potential mammary carcinogens identified in charred meats and tobacco smoke. A substantial proportion of the Caucasian population has a homozygous deletion (null) of the GSTM1 or GSTT1 gene, which results in lack of production of these isoenzymes. In the present experiment is has been detected that the null GSTT1(-) individuals have more SCEs than GSTT1(+). These differences are neither synergism nor additive as shown in the table 1.The results of this interaction are mutations and eventually the initiation of cancer. Glutathione S-transferase (GSTs) is family of cytosolic enzymes contributing to the detoxification of activated carcinogens. [1-3].

Variation of SCEs frequencies among GSTT1(+ and GSTT1(-) individuals as scored in metaphase cells.

Although our findings on GSTT1 genotype are in agreement with our previous study which showed that GSTT1 null are more sensitive than GSTT1 positive individuals to SCEs .In the present experiment we have been isolated the genomic DNA from healthy as well as leukemia patients and have focused on polymorphism with the glutathione S-transferase GSTT1 family of enzymes as potential markers of these studies is to explore early biologic effect, and cancer occurrence especially childhood leukemia. Because the prevalence of GSTT1 deletion is unknown in different population we are comparing the prevalence of GSTT1 deletion using a polymerize chain reaction PCR based assay on various healthy and leukemia patients. Next studies, is to examine the role of the GSTT1 polymorphism as a modifier of biomarker of genotoxicity associated with pesticide exposures. Simultaneously, we are also looking that whether individuals lacking in GSTT1 are hypersensitive to SCEs frequency. Conflicting results have been reported in the literature about the influence of null genotypes for the GSTT1 gene as confounding factors in SCE frequency.

In the present studies, we tested weather null genotypes for the GSTT1 gene altered the frequency of SCEs in human blood lymphocytes. The ability to metabolize carcinogens varies among humans, and people with the reduce ability to detoxify chemicals may have an increased risk of Cancer [10-13].Gene coding for the GST mu 1(GSTM1) and theta 1 (GSTT1) patients were polymorphic in humans [14-16] and are absent, of homozygous null, in 10-60% of different ethnic populations.

Previous epidemiological studies have associated with null genotypes for GSTM1 and GSTT1 genes with a high risk for a variety of cancers, including lung, bladder, gastrointestinal tract, skin, cervix, and breast cancer [22-26]. However, similar risks of these tumors were found in patients with GSTM1 and GSTT1 null genotypes and those with both alleles in other studies [21]. Therefore, there is no consensus on the role of the GSTM1 and GSTT1 gene defects and cancer risk. The frequencies of GSTM1 and GSTT1 null genotypes in MDS (27-34 Arruda et al) and acute leukemia have been discussed by some investigators, (29) but no consistent conclusions have been established. I am also testing the effect of GSTT1 deletion variations in relation to the frequency of sister chromatid exchanges (SCEs). In addition, because possible involvement of this gene in the prevention of leukemia in human population. We are looking for the matching (interaction) of SCE frequency and the deficient of GSTT1 gene in healthy as well as leukemia patients. Individuals with GSTT1 null genotypes showed no increase in the frequency of sister chromatid exchanges (SEC).

Dissimilar results were obtained by Sasai et al [32] in Japanese group. There are no obvious reasons for the discrepancy among the result obtained in the different studies. We also did not find higher differences are found in the frequencies between GSTT1- and GSTT1+ subjects. These results agree with reports by Atoyeb et al. [28].

The exposure of several chemical is associated with a higher incidence of DMS and GSTT 1 enzyme play a role in the detoxification of some carcinogens. On the other hand, for some substances such as the, a functional solvent dichloromethane GSTTI 1 enzyme can form mutagenic metabolites after conjugation with glutathione in certain models [17]. Thus, the presence of a functional enzyme, while generally protective, may increase the mutagenic risk of some exposure. These findings suggest that GSTM1 and GSTTI 1 enzymes should be of cancer patients with different exposure of chemicals.

In conclusion, the present study shows that the GSTT1 null individual have increased senility to the genotoxic effects. The frequency of SCEs in null GSTT-1(-) individuals have more SCEs frequency than GSTT+1 (+) in whole blood lymphocytes cultures.

BUITMS Students Visit to Hubco power plant and HEJ Centre University of Karachi

Report by: Mr. Ali Zaman Shah



Group photo of the students

The students of BS (Biotech) 2nd semester visited Hubco power plant at Hub and HEJ centre, University of Karachi. Mr. Ali Zaman Shah, Student Affairs Coordinator, led them to visit the two places. At the first stage Students were cordially greeted and got lots of information about the plant. Hubco power plant is the biggest project in private sector. Actually this plant is under the supervision of a British company in which Hubco contributes 26% share. Hubco has a 13-year contract with the British company. It is a steam power station that cost about \$1.6 billion. Plant's construction was completed in 1996 in about two to three years prior to the scheduled time. This plant produces 1292 MW of electricity.



Students being briefed about HUBCO

Students were briefed about the basic criteria, rules and regulations, aims and objectives and perspective of the plant. The power plant consists of four units each producing 323 MW power that leads to a total of 1292 MW. Net output is 1214.932 MW as input per unit is 19.267 MW. Then MR. Shahid Mahmood (Mechanical Engineer) briefed the student about the working of the plant. According to him there are two departments in the plant.



1: Operation or production Department

Workers of this department work 24 hours and these workers actually run the plant.

2: Engineering Department

Work of this department is to maintain and manage the plant



Delegation with the Chief Engineer

Later on, there was a Q & A session between Mr. Shahid Mahmood and students after which they visited the complete plant i.e. both the operation section and control and were again briefed in detail about all the components of plant as all the components were before their eyes. Afterwards, the student had their lunch at plant office.

Next day students visited HEJ Centre of Bio chemistry at university of Karachi. It was very thought provoking for the participants of the tour. Students asked many questions about the labs and they were thoroughly briefed by Miss Shiba, Lecturer at the centre. At the end students were addressed by Director of the centre.

The most thrilling aspect of the trip was the three night stay of the students at the romantic beach of Gadani at Buldia rest house. The fascinating music of the sea made this trip a wonderful, unforgettable event of all the participants.

4th International Workshop on Frontiers of Information Technology

Report by: Jan Muhammad



4th International Workshop on Frontiers of Information Technology (FIT 2006) was held on December 20-21, 2006 at Marriot Hotel Islamabad. This workshop was organized by COMSAT with sponsorship of HEC & PTCL.

Mr. Jan Mohammad Assistant Professor at Faculty of Computer and Emerging Sciences presented a research paper in this conference entitled "Can E-Commerce and use of ICT's help rural women of Balochistan to Fight Poverty?"

Abstract

Balochistan constituting 44% area of Pakistan is still the most backward area of the country. It lacks basic infrastructure like roads, electricity, drinking water, education and basic health care. Except the provisional/district headquarters, rest of the province seems to be rural area as a whole. Presently, the rural women are deprived due to the presence of middle-men to sell their handmade crafts in very cheap rates. These middle-men then sell these products to international market on very high prices and the original owners (the poor women) remain in the same poverty line as they were. The rural women have the potential to contribute in the local economy by selling their handmade balochi handicrafts, pots etc on the international market by using e-commerce and web portals. Use of ICTs and other technological tools help them to fight the rural poverty. Although these women are mostly illiterate but with the help of local social welfare organizations, National and International NGOs they can market their products on Internet. A web portal is proposed which will not only market products of rural women but also enable them to build their capacities to opt latest technologies for their use. Social workers and other volunteers rendering their services to national and international NGO's working for social and human development in the province can also help these poor women to build their capacities to opt latest technologies for their fight against poverty. In this paper we try to focus on development of a web portal where these women can portray their products and will suggest a model which helps these women to advertise their products with out traveling too far from their homes. However, the lack of infrastructure, awareness about potential of ICTs and low literacy rate among the women are the major barriers to the technological change.

All Pakistan Inter University

Allama Iqbal Shield

Extempore Speeches Contest

Report by: Shehzad Ghauri BS (Bio)



It was an honor for the Balochistan University of Information Technology and Management Sciences to be entrusted with the responsibility of holding the All Pakistan Inter University Allama Iqbal Shield Extempore speeches contest on the 29th of March, 2007. Extempore speeches are a test of the speakers range of

information, quick marshalling of ideas and their impressive presentation to the audience, so very few dare to accept such challenges. It is easier to get a speech written well in advance and to rehearse it for weeks before its actual delivery, but in case of extempore speeches every preparation has to be done on the spot. Prof. Dr. Mohsin Raza, an eminent scientist, a renowned educationist and popular figure at the University of Balochistan was the Chief Guest on the occasion. Ms. Asma Gul-e-Masroor student of MBA 6th (BUIITMS) acted as the chairperson and conducted the activity in a self assured and efficient manner.



Mr. Ali Zaman Giving a briefing on the contest

The contest was held at the provincial level and selected speakers of this competition would be eligible to take part in the final round of the competition to be held in the Federal Capital. All the universities functioning in Balochistan were invited to participate in the contest, but on the day of the event, only the speakers from Iqra University, Quetta reported to compete with the speakers from BUIITMS.

The proceedings of the day commenced with the recitation of verses from the Holy Quran by Mehdi Ali Khan, a student of BUIITMS. It was followed by the solemn rendering of a na'at by Shehzad Ghouri, a BS (Biotechnology) student of the same university. The speech contest was divided into two segments i.e. English Extempore speeches and Urdu Extempore speeches. The contestants were given the opportunity of picking up chits showing the speech topics out of bowls five minutes before the contestants were actually invited to come to the rostrum.



Panel of judges for the contest

The panel of judges for the contest included: Prof Mrs. Iram Farooq from Government Degree College, Quetta Cantt and Prof Abdul Jabbar from Cadet College, Mastung. The names of the participants along with the topics drawn by them are listed below:

1. English Awais B U I T M S
"Morality is the refuge of the weak"
2. English Najeebullah BUITMS "He who lives on hope will die fasting"
3. English Roya Farooq Iqra University
"I'm too weak to fight you, white man"
4. English Taimoor Iqra University
"The ultimate destination is beyond the skies"
5. Urdu Faizan Hassan BUIITMS
"Sciencee Tehqeeq say adam dilchaspe, manzil say doori"
6. Urdu N a s u r u l l a h K a k a r
BUIITMS "jahalat aur ghurbat kay khilaf jehad sub say bara jehad hai"
7. Urdu Shehzad I q r a
University "Mojoda talimi nizam aur dour-e-hazir kay taqazay"
8. Urdu Saadat Nasir I q r a
university "Qalam teaz chalta hai talwar say"

Speeches by all the speakers reflected great emotional warmth and recourse fullness in respect of material and they succeeded in getting the attention of the audience by dint of their arguments.



A section of the audience

On the end of the speeches phase, while the jury deliberated on the results, Mr. Mehdi Ali Khan was invited to present a poem by Allama Iqbal. He enthralled the audience with his masterly presentation. Taranas by Shehzad Ghauri and Faizan Hassan won warm acclamation from the audience.

As per judgment of the worthy jury Mr. Najeebullah from BUIITMS was adjudged to be the best speaker in English, while the second position was notched up by Mr. Roya farooq from Iqra University.



Mr. Najebullah receiving the first prize

In the Urdu speeches category, Faizan Hassan from BUITMS was declared to be the winner, while Nasrullah Kakar from the same university notched up the second prize. The Champions Trophy was awarded to BUITMS, while Iqra University carried away the Runner-up Trophy.



Mr. Mohsin Raza addressing the audience

Prizes were awarded by Dr. Mohsin Raza who later in his soft and patronizing tone felicitated the speakers on the quality of their presentations. He lauded the efforts made by the organizers for holding this event. He exhorted the students to strive hard to keep up with the advancements being made by the developed world and realize the importance of genuine hard work in research based learning.

Lunch was served at the end of the function.

3rd International Conference On 21st Century Mathematics - 2007

Report by: Dr. Muhammad Nawaz

SMS, the “School of Mathematical Sciences”, currently attached to the Government College University, Lahore, is the most significant institution for research in Mathematics, in Pakistan. Under expert leadership of Dr. A D R Choudhary, they are running an extensive research programme under the guidance and supervision of about ten foreign faculty members, and they expect to produce the first batch of five to seven Ph.Ds by October this year. They regularly hold Seminars, Workshops and lectures by Visiting Scholars in various fields of Mathematics;

this obviously enriches the knowledge and understanding of all Mathematics researchers residing in Lahore and nearby towns. In addition to other activities, they also hold annual international conferences in Mathematics, and this year, they held the “3rd International Conference on 21st Century Mathematics 2007”, from 4th to 7th March. In order to participate in it, BUITMS sent two of its Mathematics Professors viz.

Dr. Mohammad Nawaz,
Dr. Ansaruddin Syed,

each of whom not only presented his research paper but also presided over one of the academic sessions. The title and abstract of these papers are as under:

Right Gelfand Quantales and Quantaloids

M. Muhammad Nawaz



Abstract: Right Gelfand quantales are complete lattices on which an idempotent binary operation (not necessarily commutative) is defined which is associative and distributes over arbitrary suprema on both sides and has right identity

From such a quantale we obtain a quantaloid. Finally we discuss two approaches for introduction of concept of sheaf on a right Gelfand quantale Q . In both cases the construction coincides with the concept of sheaf in case Q is a locale.

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

Dr. 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 Con

$$x_0^2 - x_1^2 - x_2^2 = 0$$

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.

Inaugural session was conducted on March 5, 2007. Engineer Dr. Mohammad Akram Shaikh, Deputy Chairman, Planning Commission and Chairman Pakistan Engineering Council (PEC) presided over the inaugural session. In his address, he appreciated the research environment created by SMS by organizing these conferences and the role played by Government College University Lahore for promotion of research in Mathematics. He recalled that Dr. Abdul Salam, the only Nobel Laureate of Pakistan, was an alumnus of Government College Lahore. He said that Mathematics provides foundation for all knowledge and without Mathematics nothing can really move.

Lt. Gen. (Retd.) Khalid Maqbool Governor Punjab was the chief guest at closing ceremony on March 7, 2007. In his message he emphasized that research in all the fields of Mathematical Sciences has to be undertaken earnestly, with the objective of original findings in new realms. He said that the School of Mathematical Sciences of the GC University, Lahore has been established to give a distinct lead to advanced studies and research in Mathematical Sciences.

All Pakistan Inter-Universities Football Tournament (Final Round)

Report by: Mrs. Rubina Ansar, Director Sports



All Pakistan Inter-Universities Football Tournament was organized by the HEC. The Teams from all over the country were divided into 8 zones. According to HEC rules the winner of each zone had to qualify for the final round. The Balochistan University of

Information & Technology & Management Sciences team was placed in Zone G which she topped eventually and qualified for the final round. The other teams who topped in their respective Zones and qualified for the final round were Punjab University, Peshawar University, Agriculture University Faisalabad, Karakarm University, International Islamic University Islamabad and GCU Lahore.



The Final of the Championship in progress

In the final round of the Championship, BUITMS team played well in the quarter final it took on Karakaram University. After a thrilling contest for 90 minutes the BUITMS team stood victorious by a score of 2-1. In the semifinal the BUITMS collided with the mighty Agriculture University, Faisalabad. The fixed time of 90 minutes went uneventful as both the teams failed to score a goal. The extra time of 15 minutes also could not decide the games as again both the teams showed great resilience and did not let each other to put the ball in the net. Ultimately penalties shout outs were awarded to both the teams which went in favour of Balochistan University of Information Technology & Management Sciences. The BUITMS didn't miss a single penalty and scored five goals out of five penalties whereas the Agriculture University, Faisalabad missed two penalties. This gave the BUITMS an opportunity to play into the final of the All Pakistan Inter-universities Football Championship.

The BUITMS played Punjab University in the big final. Our players gave tough time to Punjab University but could not surpass them as our two players M. Mehdi and Niamatullah were red carded. Our team had to play with 9 players which did not prove sufficient in the end. As a result the match tilted into the favour of Punjab University who ultimately won the final by 2-0 and clinched the All Pakistan Inter-universities Football Championship trophy.



Weightlifting Championship, Central Punjab University

Report by: Masood Kasi, Sports Officer



As an event of All Pakistan Inter-universities Sports 2006-2007, Weightlifting Championship was organized by the Central Punjab University. Altogether 30 universities from all over the country took part in the Championship. BUITMS weight-lifters though

inexperienced did a wonderful job and amazingly won one silver medal and one bronze medal for the University.

Muhammad Mehdi of Takatu Campus brought bronze medal in 94 kilos category whereas Mr. Zahoor Ahmed clinched 2nd position in 80 kilos category thus brought home a silver medal. The Balochistan University of Information Technology & Management Sciences is geared by the commitment to expose our students to competitions in order to refurbish their intellectual and physical capabilities to the optimum. The University is endeavoring to provide the best available facilities for physical development and promotion of sports on the campus.

Inter Universities Volleyball Zonal Tournament

Report by: Masood Kasi Sports Officer, BUITMS

A 10 member volleyball team from the Balochistan University of Information Technology & Management Sciences, participated in the Inter University Volleyball Zonal Tournament held at Quaid-e-Awan University of Engineering; Science and Technology, Nawabshah. Teams from Sind University, Jamshoro, Agriculture University, Tandojam, Shah Abdul Latif University, Khairpur, Quaid-e-Awan University of Engineering; Science and Technology, Nawabshah and the Balochistan University of Information Technology and Management Sciences participated in the tournament. BUITMS team was skippered by Izhar-ul-Haq while Mr. Masood Khan, Sports Officer performed the duties of the manager. The event was inaugurated by the Vice Chancellor Quest who emphasized the need of holding such events more frequently because they promoted better understanding between the students of different institution and helped them in understanding one another more easily. Balochistan

University of Information Technology & Management Sciences managed to reach the victory stand by clinching 3rd position out of 6 universities.



Izharul Haq, VCQUEST, Dean Engineering, Director Sports Mir Munawar Talpur

At the end VC, QUEST distributed the prizes

BUITMS Table Tennis Players catch the eye of HEC

Report by: Mrs. Robina Ansar, Director Sports

It is an honorable achievement for the Balochistan University of Information Technology and Management Sciences (BUIITMS), that three of our female players have been selected by the Higher Education Commission for inclusion in the HEC Table Tennis team for participation in the 30th National Games scheduled to be held from April 09-14, 2007 at Karachi.

It needs to be kept in mind that sixty eight (68) universities in Pakistan were vying for the inclusion of their players in the HEC team and it is an outstanding distinction for BUIITMS that our students, Ms. Safia, Ms. Beenish and Ms. Basma managed to get berths on the 13 member HEC team. It is really an impressive and outstanding achievement.

Inter university cricket championship Zone "G" inaugurated.

Report by: Amir Durani

BUIITMS has just had the distinction of organizing and managing a prime sports event in the form of Inter University Cricket championship Zone "G". This zone includes six universities from the provinces of Sindh and Balochistan. Besides Balochistan University of Information Technology & Management Sciences, Quetta the teams in Zone "G" are Sindh university, Jamshoro, Agriculture University Tandojam, IBM Karachi, Quaid Awam university (QUEST), Nawab Shah and Shah Abdul Latif University, Khairpur. The tournament was held from march 25-27 at three cricket grounds of Quetta.



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V.C inaugurating the tournament

The opening ceremony for the tournament was held at Ayub stadium, Quetta on march 25,2007. The honorable vice chancellor, Engr. Ahmed Farooq Bazai, formally declared the championship open by cutting a ribbon at the entry to the Akbar Bugti Stadium.



Director Sports welcoming the Chief Guest

Director sports BUITMS, in her address on the occasion welcomed the new VC as the patron of Sports activities and gave a detailed briefing on the program and the arrangements made for the tournaments. The chief guest was then requested to proceed to the ground for introduction with the participating teams. After formal introduction, Engineer Ahmed Farooq Bazai ceremoniously hit a crashing on-drive. The members of the participating teams and all the guests cheered for this gesture of sportsmanship.



VC playing the opening shot

It may be kept in mind that a camp for the BUITMS players had been in progress for 1 month before the tournament that is since 15th February,2007 under the supervision of PCB Qualified Coach.

In his inaugural speech, the worthy Vice Chancellor expressed his pleasure at seeing the keen involvement of the BUITMS, Sports Directorate in the major sports event. He thanked the Higher Education Commission for making elaborate plans for the development of the sports in the country. He emphasized the need of early identification of talents and their nurturing on the right lines. He hoped that the guest teams would be meeting the people and have a better understanding of the region. Finally he thanked the Director Sports, and Sports officer, BUITMS and the Balochistan Cricket Association for their all out efforts to make the event a great success. He wished everyone a joyful and educative experience during the tournament.



BUITMS, Cricket Team with the Chief Guest members and managers of individual participating teams.

Congratulations!

The editorial board offers warm congratulations to Mr. Masood Ahmed Kasi, Sports Officer BUITMS for successfully qualifying for the degree of Master in Health and Physical Education (HPE) in first division from Sarhad University of Information Technology & Management Sciences, Peshawar.