



# BUIITEMS

Quality & Excellence in Education

# NEWSLETTER

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Balochistan University of Information Technology,  
Engineering & Management Sciences



## Our Vision

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

## Mission Statement

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

## Our Goals

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

## Our Core Values

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





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## Editorial

Fall Semester 2012 has started with a fresh intake of students. BUIITEMS offers opportunities of academic and professional growth in contemporary fields which are crucial to national development and economic independence. That is why students flock to BUIITEMS doors for admission after their HSSC studies. Our specific emphasis on the provision of meaningful education has yielded rewarding results and our uncompromising stance on quality singles out BUIITEMS as an institution which gives the message of hope and optimism.

Education entails advancement in every field – social, economic, scientific or technical – and provides strength and vision for enlightened approaches in life. One of the numerous advantages of advance technology is that the developing countries can exploit their natural resources on their own and can come out of the vicious circle of debt and dependency. They don't have to bank upon the expertise of foreign technologists and engineers for harvesting the crop of their natural resources. However a joint effort is required to achieve this goal. This effort should be at every possible level, including top brass, faculty and students. Developing countries should join hands together and excel in the domain of higher education by conducting seminars, conferences and colloquiums. The empowerment of the indigenous human resources and a common thrust against the blockade of dependence can lead to prosperity and alleviation of poverty in the under-developed world.

Economically and technologically advanced countries are the dominant powers today, and it is their culture and values that are gaining prevalence on the globe. Excellence in higher education is in fact an effective deterrent in the way of cultural storm rushing on us from the alien societies. Colonial powers do not have to come physically to a region in this era. They can maneuver their interests from a distance. Only education and strength in technology can protect our interests against greedy colonial attitudes. It is worth noting that the record of the East in observance of ethical values is much better as compared to that of the West. So we in the East do not need a cultural revolution. All we need is excellence in higher education and technology for which mutual cooperation is extremely important. Our youth must realize this truth and make concerted efforts to attain competence of playing their role in the national development efforts.



## Chairman Fatimid Foundation Visits BUIITEMS

Reported by: M. Aslam Nasar

Lt. Genl. (R) Moinuddin Haider Chairman, Fatimid Foundation visited BUIITEMS on September 18, 2012. The main objectives of his visit were (i) to observe the making and functioning of a prime institution (BUIITEMS) and (ii) to inspire the youth to participate in life-saving endeavors through blood donation. The distinguished guest was briefed by the Vice Chancellor on various aspects of the University. Chairman, Fatimid Foundation eulogized the outstanding work done by the Vice Chancellor and his team in exalting the image of the institution among national and international circles of education.



*Vice Chancellor briefing the distinguished guests*

Talking about the Fatimid Foundation, Lt. Genl. (R) Moinuddin Haider stated that his organization is determined to make Pakistan self-sufficient in the provision of primary health care and is resolved to minimize deadly health problems of Thalassaemia and Hemophilia.



*Lt.Gen(R) Moinuddin Haider in the CISCO Laboratory*

## Ex Federal Minister for Education Visited BUIITEMS

Reported by: Fakhra Ramzan

Ex, Federal Minister of Education Ms. Zubaida Jalal visited Takatu Campus of BUIITEMS on August 30, 2012. She was accompanied by Ms. Fareeda Nawsherwani and Ms. Bushra Rind, prominent social workers of Balochistan. The visitors were warmly welcomed by the senior administrators of the university and were escorted to the Vice Chancellor's Secretariat where they exchanged ideas with the Vice Chancellor about the state of education in the province.

The group visited the Directorate of IT, where Mr. Mohammad Anwar Khan, Director IT gave a briefing on the functions and facilities available in the CMS Center. The visitors also saw the admission test in progress at the campus and expressed satisfaction at the calm and disciplined manner in which the tests were conducted.



*Distinguished visitors in IT directorate*

Ms. Zubaida Jalal invited the Vice Chancellor to present a key-note address at a workshop they were holding shortly for the benefit of educators in Balochistan. She urged the university to establish a motivational stall at the children's Literature Festival to be organized by the Foundation Open Society Institute at the Boy Scouts Headquarters, Quetta. Ms. Zubaida Jalal extolled the services of the Vice Chancellor and his colleagues in making BUIITEMS a model institution in the country.

## Meeting of the BUITEMS Syndicate

Reported by: Manzoor Hussain

A meeting of the BUITEMS syndicate was held on August 15, 2012, under the chairmanship of the Vice Chancellor, Ahmed Farooq Bazai. The meeting commenced with the recitation of verses from the holy Quran. Different academic and administrative matters of the university were taken up for discussion and relevant decisions were made prior to seeking approval of the Chancellor. The recommendations made at the 12<sup>th</sup> meeting of the Academic Council of BUITEMS were also thoroughly examined and finalized.



*Syndicate meeting in progress*

The Vice Chancellor, in his concluding address thanked the syndicate members for their contribution in resolving various issues presented at the meeting.

The meeting concluded with a vote of thanks for the chair.

## Ration Distribution among Low Paid Employees.

Reported by: Abdul Qadeem

Distribution of ration bags amongst the low paid employees of the University has now become an annual feature of BUITEMS staff Welfare initiatives.

This year, too, ration bags containing cereals, rice, ghee, tea and sugar were distributed amongst the low paid employees of the University in August, 2012.

Tehrik-e-Idara Bahali-e-Mustehkeen (TIBM), a philanthropic non-government organization, headed by renowned social worker, Mrs. Surayya Allahdin collaborated in this regard. Vice Chancellor BUITEMS, Ahmed Farooq Bazai, Pro vice Chancellor, Prof. Dr. M.A.K Malghani, Registrar Dr. Mohammad Nawaz and Additional Registrar (Academics), Mr. Abdul Qadeem Khan distributed ration kits amongst the low-paid employees during the holy month of Ramadan, so that the low paid employees could celebrate Eid, without being tormented by the minimal food needs.



*Ration kits being distributed*

The Vice Chancellor appreciated the generous gesture of TIBM and exhorted all well-to-do people to discharge their humanitarian obligations of helping the poor and the needy.

## CPD Short Courses Series “SEISMIC DESIGN & DETAILING”

Reported by: Dr. Ehsanullah

The Pakistan Engineering Council (PEC) Quetta organized a one day short course on “SEISMIC DESIGN & DETAILING” on September 10, 2012 at Pakistan Engineering Council, Quetta Chapter, for Professional Engineers and Non-Engineers under Continuing Professional Development (CPD) Program.

The program is an essential activity under the CPD Bye-laws 2008 in pursuit of professional development of engineers. Resource persons from potential organizations, including BUITEMS conducted the program. Twelve faculty members from BUITEMS attended the workshop.





*A section of course participants*

## **Nepal Summer School in Advanced Language Engineering (NSS-NLE)**

Reported by : Dr. Aftab Ahmed

The Summer School in Advanced Language Engineering was co-organized by Kathmandu University, Nepal (the host institution), the University of Konstanz, Germany and University of Engineering and Technology (UET) Lahore, Pakistan from August 24 to September 22, 2012.



*Summer School program in progress*

The objective of the summer school was to reinforce the area of Natural Language Engineering (NLE) in the region of South Asia. The subject area falls within the scope of computer science, engineering and linguistics and is application-oriented, so the focus was on engineering viable solutions for computational applications dealing with the languages of South Asia. The objective of the summer school was to provide access to international experts who could communicate advanced knowledge about

NLE to graduate students and young researchers in South Asia, particularly in those countries where NLE is still in the early stages of development. In addition to the participants from Nepal, students/researchers from Bangladesh, Bhutan, Pakistan and Sri Lanka were selected as well. The training program comprised two graduate level courses, where each area was divided up into two modules. The entire training program was stretched over four weeks of duration. Training program contained theory and practical sessions. The program plan and concerned resource persons are mentioned below.

### **Course 1: Advanced Resources for Natural Language Processing**

#### **Module A: Grammars and Treebanks for Syntactic Processing**

(Stefanie Dipper, Univ. Bochum and Heike Zinsmeister, Univ. Stuttgart)

#### **Module B: Word and Verb Nets for Semantic Processing**

(Mariam Butt, Univ. Konstanz)  
(Annette Hautli, Univ. Konstanz)

### **Course 2: Advanced Applications for Natural Language Processing**

#### **Module A: Statistical Machine Translation**

(Alex Fraser, Univ. Stuttgart)

#### **Module B: Automatic Speech Recognition**

(Sarmad Hussain, Univ. of Engineering and Technology, Lahore)

On the completion of the Summer School, the participants of the program were awarded certificates. Kathmandu University also issued transcripts with grades for two M.S level credit courses on "Speech and Natural Language Processing" and "Machine Translation" against the four modules taught in the Summer School. In order to provide a good balance between academics and leisure time and in order to expose visitors to aspects of Nepali history and culture, the Summer School organizers

arranged a sight-seeing tour around Kathmandu and Bhaktapur to places of historical significance and also hosted a cultural program introducing Nepali folk songs and dances.



*Group photograph of NSS-NLE participants*

### **Pink Ribbon Day Observed**

**Reported by: Jamal Abdul Nasir**

Pink Ribbon Day was observed at BUIITEMS on July 8, 2012 under the aegis of Students' Affairs, Centre. The objective of the event was to create awareness among the students and the general public about the need of early medical checkup in order to detect the symptoms of breast cancer among Asian women. The campaign focused on removing misconceptions and social taboos related to discussions on the subject.



*Group photo of students participating in the event*

Groups of students distributed leaflets among the faculty and students and stuck pink ribbons on the sleeve shoulders in order to mark the importance of the day for tackling social barriers that prompt people to shy away from discussing the potentially fatal but curable disease. They urged the females to

show courage and contact medical centers immediately on feeling any unusual chest symptoms.

The campaign included appeals to the affluent members of the society to come up with financial support in the form of donations, so that effective and adequate steps could be taken to tackle the breast cancer cases.

### **Piloting the 'Transforming English Language Skills' Project by HEC and British Council at BUIITEMS**

**Reported by: Sadiqa Ramzan**

HEC and British Council launched a joint project titled 'Transforming English Language Skills' (TELS). The project started with a need analysis based on the expectations of undergraduate students from their courses in terms of English language, the requirements of non-English subject teachers regarding the proficiency in English and a one day focal group discussion of English teaching faculty from various universities on the course outlines and their shortcomings.



*Group photograph of TEL Master Trainers*

Following the need analysis, a group of authors from 11 universities including BUIITEMS and others from all corners of the country was selected to compile a proper course based on the recommendations and findings of the need analysis report. A team of coordinators from Open University UK also provided assistance. The final product was the development of 3 distinct modules; two of them titled 'English for Academic Purposes' or EAP (replacing English I),



'English for Employment' or EFE (a non-credited subject to be introduced in 7<sup>th</sup> or 8<sup>th</sup> semester) were designed specifically for students, and the third one named 'Professional Development' (PD) for helping the non-English subject teachers in devising lesson plans to encourage interactivity between students and teachers. Each Module was accompanied by a teacher's /trainer's manual as well. Once the modules were developed, the project heads decided to pilot the same at 11 Universities including BUIITEMS, to test the productivity before launching it country wide.



*Another group photograph of TEL Master Trainers*

For this purpose a 5 Day Master Trainer's Workshop was held at Islamabad where four English Teachers, namely Ms Sadiqa Ramzan, Mrs. Sarah Waseem, Ms Aqsa Maryam and Syed Ahmed Wali received training for EAP and EFE modules and Engr. Shah Marjan from Department of Computer Engineering was trained as a Master Trainer for the Professional Development module. The purpose of the workshop was to acquaint the trainers with the designed contents and to encourage them in implementing and evaluating the project at their respective universities. It was emphasized time and again during the workshop that the master trainers would cascade the training they received and evaluate the project realistically. During the workshop, many problems and concerns were highlighted and discussed. At the closing ceremony of the workshop, Dr. Noor Amna Malik, Director LID HEC said that HEC is aware of the concerns that the master trainers shared with the organizers, particularly the ones regarding the immediate implementation and acceptance of the

project. She, however, ensured that HEC would try its best to 'Super Impose' the pilot project in order to gauge its productivity before its country wide roll out. She congratulated the Master Trainers while stressing that they had huge responsibility in terms of making this project not only successful but a workable plan. Certificates were awarded to all master trainers at the end.

## **TELS PROGRAM LAUNCHED**

**Reported by: Ms. Sadiqa Ramzan**

On July 12, 2012, the launching ceremony of the TELS modules took place at HEC office, Islamabad. Miss Nishat Riaz, Head of Program, British Council, handed over the modules to Dr. Nasir Ali Khan, Member Operations & Planning HEC. The event was chaired by Dr. Nils Tomes, Director Education Wider, South Asia, British Council. Miss Sadiqa Ramzan Ali attended the ceremony and represented BUIITEMS.

A delegation from British Council comprising of Dr. Saeeda Asadullah, Project Advisor, Miss Nishat Riaz, Head of Program Higher Education, and Syed Khawer Abbas, Project Officer Higher Education, had a meeting with the BUIITEMS English teaching faculty. Pro Vice Chancellor Dr. M.A.K. Malghani and Prof. Sultan Mahmood Niazi, Head of the department of English were also a part of the deliberations. The British Council delegation briefed the faculty about TELS and discussed how the modules were developed. They told the faculty that BUIITEMS is amongst those eleven Pakistani universities that shall be taking the pilot roll out of the modules in the upcoming semester. At the end of the event the delegation presented the modules to Pro Vice Chancellor Dr. M.A.K. Malghani and Prof. Sultan Mahmood Niazi.

## **Children's Literature Festival**

**Reported by: Sameen Khan**

First Children's Literature Festival was organized under the auspices of Idara-e-Taleem-o-Aagahi (ITA), Oxford University Press (OUP) and Foundation Open Society Institute (FOSI) Pakistan on the premises of



Balochistan Boys Scouts Association. The purpose of the event was to promote the habit of reading across the country and to arouse creativity and critical thinking among the children. The program was organized on the basis of readings, writing, theater/films and discussions, for children.

For this purpose BUIITEMS was also invited to set up a motivational stall on the event. Interesting projects from Faculty of Engineering (FOE) and Faculty of Information and Communication Technology (FICT) were displayed at the festival.

School children, their teachers and professionals from other organizations, visited BUIITEMS stall and were briefed about the projects by the BUIITEMS team. Visitors appreciated the stall and efforts of BUIITEMS in the field of education. Provincial Minister for Sports and Culture, Mir Shah Nawaz Marri, was the chief guest on the occasion. He appreciated the efforts of the participating institutions.



*Mr. Khalid Anum entertaining the children*

## **BUIITEMS Clinched 2<sup>nd</sup> Position in Presentation Skills Competition, 2012.**

**Report By: Sameen Khan**

A Provincial Inter University Presentation Skills Competition on the topic “**Challenges Being Faced by Umat-E-Muslima and their Solutions**” was organized by Al-Mezan Society, University Law College, Quetta. Seven teams representing BUIITEMS,

SBKWU, UOB, ULC, Al-Hamd University, Iqra University and Quetta School of Law participated in the competition.

The panel of judges for the competition included Mr. Dawood Kasi, President Balochistan Bar Association, Mrs. Surayya Alladin, a renowned social worker and Ms. Zohra Durrani, a senior educationist.

From BUIITEMS Ms. Rukhsar Bibi, a student of BS (International Relations) and Ali Zain-ul-Abidin from BS (Business Administration) participated in the competition. Ms. Rukhsar explained the challenges faced by Umat-e-Muslima while Ali Zain identified their solutions. Both gave an impressive presentation and clinched 2<sup>nd</sup> position in the competition.

Barrister Arbab Adnan Kasi, Principal University Law College was the chief guest of the event. Addressing the participants and guests, he threw light on the challenges faced by the Umat-e-Muslima and suggested their solutions in the light of International Law. He said that youth of Balochistan are talented and such competitions go a long way in creating awareness about global issues. He appreciated and congratulated the winner institutions.

At the end Chief Guest distributed Shields among the leaders of the participating teams. Mr. Sameen Khan, Coordinator Student Affairs received trophy on behalf of BUIITEMS.



*A section of the audience at the competition*

## Workshop on “Mastering Qualitative Research Methodology and Analyzing Qualitative Data Using SPSS and NVIVO”

By Abdul Basit

A 2-day International Research Workshop on the topic ‘Mastering Qualitative Research Methodology and Analyzing Qualitative Data using SPSS and NVIVO’ was jointly organized by the Directorate of Quality Enhancement & Accreditation, BUIITEMS, Quetta and Research Center for Training & Development (RCTD) on 26th and 27th September, 2012, through High Definition (HD) Video Conferencing. Dr. Liz D. Molina, from Harvard University, USA and Mr. Jonna Chrzanowska, Head of ‘Foundation of Qualitative Research’ (UK) were the keynote resource persons for the workshop. They were assisted by Mr. Mohammad Naseem, Head, Department of Survey and Data Management, Government of Pakistan and Mr. Mohammad Nadeem Iqbal, NVIVO Software expert.

The main objective of the Workshop was to improve research competencies of the faculty. The workshop was attended by 40 participants from all the five Faculties of BUIITEMS.

The inaugural session was chaired by the Director QE&A, Syed Dara Shikoh. The program started with the recitation of verses from the Holy Quran. The workshop was introduced by Director QE&A, who emphasized the importance and effectiveness of the workshop as a golden opportunity for the Faculty members.

The first day of workshop comprised of four sessions by the corresponding Trainers: Joanna Chrzanowska (UK) and Professor Dr. Lay Yoon Fah (Malaysia) based on research methodologies. The fourth session of the second day was conducted by Muhammad Asif Hanif (Biostatistician), Muhammad Akram Naseem (Statistician) and Muhammad Nadeem Iqbal (Expert of Qualitative Data Analysis) Using NVIVO focused on SPSS and NVIVO software.

## Seminar on “Structural Analysis Employing Finite Element Numerical Approach with Solid Works”

Reported By: Arshad Ali

A one day seminar, titled “Structural Analysis employing Finite Element Numerical Approach with Solid Works” was organized on 28<sup>th</sup> September 2012, by Human Resource Department, BUIITEMS in coordination with Pakistan Engineering Council.

Engineers from local bodies and organizations, faculty members, teaching staff and students participated in the Seminar. Registrar, Dean Faculty of Engineering and Chairman Department of Civil Engineering delivered introductory speeches about the aims and objectives of the seminar. They highlighted the importance of Continuing Professional Development Program introduced by the Pakistan Engineering Council. The technical presentation of the seminar was delivered by Mr. Arshad Ali, the resource person of the event.



*Mr. Arshad Ali delivering his lecture*

The program was organized into three parts in which the first part was about the introduction of Finite Elements and their principles, techniques and utilization.

The 2<sup>nd</sup> part of the presentation was structured for presenting several types of software, being used in the field of Structural Engineering. The software can be utilized by Engineers to develop structural models and



can later be used for various types of simulation analysis. Solid Works and Built Works were among the topics which were focused in detail.

Solid Work itself is 3D Modeling Design and Analysis Software having various simulation capabilities. In addition to the design modules, these simulation capabilities include, Stress Analysis, Structural Analysis, Buckling, Motion simulation, Design of Complex Truss Analysis, Composite Materials etc.

In the last session, another kind of software, namely SAAP 2000 was also discussed by Mr.Naik Muhammad. He highlighted the finite element approach for seismic analysis and design of multi-storeyed building and gave a presentation on earthquake modeling.

At the end of the seminar, a question answer session was conducted. Certificates were distributed among all registered participants by Prof. Dr. M.A.K. Malghani, Pro Vice Chancellor. He, in his concluding remarks stressed the need of CPD program so that engineers could continually enhance their professional capacities through learning the latest developments in their fields and could get immense benefits.



*A section of the program participants*

## MOTIVATIONAL SEMINAR SERIES

Reported by: Sameen Khan

BUIITEMS Student Affairs Centre initiated a unique program for the benefit of students with the objective of instilling in them the will to surge ahead with a clear sense of direction before them. Prof. Dr. Mohammad Qasim

Chairman of the Environmental Management & Policy and URP Department, conducted a series of lectures, delivered every Thursday at the Green Seminar Hall, Takatu Campus during



the quarter ending 30<sup>th</sup> September, 2012. The need for positive thinking was emphasized in the seminars.

These seminars were conducted from May to September and drew a large audience comprising students, faculty and staff. The seminars were open to all stakeholders of the university.

The theme of the seminars revolved around two main topics, "Total Success System" and "Success or Chance". A clear lesson was imparted to the students that success is not only learning of the curriculum rather it is a structured and learned process of proper planning with goal formation and then constantly working for the achievement of the set goal.





## RESEARCH PUBLICATIONS

\_ Springer Science+Business Media B.V.  
2012

A missense mutation (p.G274R) in gene ASPA causes Canavan Disease in a Pakistani family  
Rashida Hussain • Shakeela Daud •  
Naseebullah Kakar • Adeel Ahmad • Abdul Hameed Baloch • Abdul Malik Tareen •  
Muhammad Azam Kakar • Jamil Ahmad

Received: 12 September 2011 / Accepted: 26 December 2011 / Published online: 5 January 2012

### Abstract

Canavan disease (OMIM 271900) is an autosomal recessive lethal neurodegenerative disorder characterized by spongy degeneration of the brain. A highly consanguineous Pakistani family with Canavan disease was enrolled on the basis of diagnosis. All the affected individuals have mental retardation, megaloccephaly and degradation of motor skills, poor head control, partial vision loss, weakness of the muscles and raised urinary concentration of N-acetyl aspartic acid in the urine. Blood samples were collected from affected as well as normal siblings and processed for DNA purification. Linkage analysis was performed by typing three short tandem repeat markers D17S1583 (7.19 cM), D17S1828 (10.02 cM) and D17S919 (14.69 cM) for an already-reported gene/locus ASPA at chromosome 17p13.2 causing Canavan disease. During linkage analysis, all the affected individuals were homozygous for short tandem repeat markers while the normal siblings were heterozygous showing co-segregation of the disease. Gene ASPA (NM\_000049) was undertaken to sequence for mutation analysis. As a result of sequence analysis, we found missense substitution 740A>G (p.G274R) in exon 6 of gene ASPA. To our knowledge, this is the first report about Canavan disease on a Pakistani family.

### Keywords

Canavan disease \_ ASPA gene \_ Pakistani family  
\_ ASPA mutation \_ Springer  
Science+Business Media B.V. 2012

## Various Aspects, Patterns and Risk Factors in Breast Cancer Patients of Balochistan

Abdul Hameed Baloch<sup>1\*</sup>, Jameela Shuja<sup>2</sup>, Shakeela Daud<sup>3,4</sup>, Muneer Ahmed<sup>2</sup>, Adeel Ahmad<sup>5</sup>, Mehrullah Tareen<sup>2</sup>, Farah Khan<sup>2</sup>, Muhammad Azam Kakar<sup>1</sup>, Dost Mohammad Baloch<sup>1</sup>, Naseebullah Kakar<sup>1</sup>, Hafiz Khush Naseeb<sup>2</sup>, Jamil Ahmad<sup>1\*</sup>

### Abstract

**Purpose:** Breast cancer is the commonest malignancy of females throughout the world with one million new cases each year. In Pakistan, the burden of breast cancer disease is high with the late stage presentation being a common feature and it has been observed that more than half of the patients present in advance stages (stage III and stage IV). The objective of this study was to study various aspects, patterns and risk factors in breast cancer patients of Balochistan.

**Method:** Present study was performed on 134 patients of breast cancer who were registered in CENAR. These patients were interviewed by providing a questionnaire. Informed consent was taken from the patients who took part in this study and the patients who did not agree were not included in the study. Before taking a formal interview, the patients were explained about the study. Body Mass Index (BMI) was calculated by measuring height and weight of the patients. Available biopsy reports were obtained from patients files. After getting the data from the patients and their respective files, all the cases were classified into age, gender, ethnic group (Baloch, Pashtoon, Punjabi, Afghani, Hazara) BMI, cancer type, cancer grade, hormonal status, side of the cancer, infertility and marital status.

**Results:** Out of 134 patients, the common ethnic group was Pashtoon with a total of 42 breast cancer patients and the common age group was 41-50 years with a total of 51 patients. Invasive ductal carcinoma (IDC) was the common feature of breast cancer by presenting in 128 patients (95.5%) followed by Invasive lobular carcinoma (ILC).

**Conclusion:** Pashtoon was the most common ethnic group, IDC was common type and most of the patients were With ER/PR positive hormonal status.

**Keywords:** Breast cancer - Balochistan - hereditary cancer - CENAR cancer registry

# BUITEMS

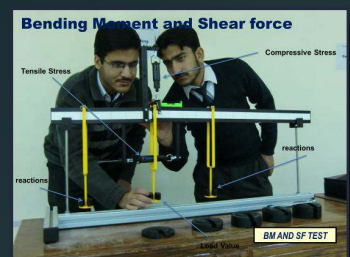
## Quality Policy Statement

**BUITEMS** contributes in defining standards and systems for the up-lift of socio-economic order through quality education and services by:

- ✓ Providing an environment conducive to learning, teaching, academic inquiry and innovation
- ✓ Maintaining academic excellence and professionalism
- ✓ Adhering to established systems for ensuring good governance for management and transfer of knowledge
- ✓ Benchmarking with other leading institutions of higher education for improvement
- ✓ Enhancing efficient and effective operations by encouraging participation of stakeholders
- ✓ Pursuing continuous improvement through creativity, team work and adaptation to change

for

Playing a catalytic role to achieve the national, regional and global harmony.





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UAN: 111-717-111