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 BUITEMS, 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

- To provide outstanding academic programs that further strengthen our performance, pre-eminence and efficiency.
- 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.
- 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 loyalty and goodwill of our alumni and friends of the human, fiscal and physical resources entrusted to us.

Diversity: We recognize that diversity leads to excellence, enhancing our teaching, scholarship and service as well as our ability to respect and interact with people.

Integrity: We practice honesty, truth and integrity in all that we do.

Respect: We treat each other with civility, dignity and respect.

Social responsibility: We contribute to intellectual, cultural, spiritual and economic well-being of the society.
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.
Foreword

Higher Education is imperative for the social, cultural and economic growth of the nation and provides brighter prospects for the realization of cherished dreams on the part of its youth. University education has to give special attention to the development of students’ physical, intellectual and moral capacities. It, in turn, becomes the responsibility of the educational institutions to ensure intellectual ascendance of students into visionary leaders, competent professionals, innovative entrepreneurs and compassionate citizens. Keeping these objectives in view, BUITEMS has made appreciable headway towards its targets. Our quest for quality and excellence has led the BUITEMS team to persist on continuous refinement, consolidation and expansion of university.

BUITEMS has maintained the tempo of its march ahead inspite of the fact that 2011 was fraught with economic stringency and political uncertainty. We did all which was necessary to make the students' experience academically productive and socially enriching. A friendly, peaceful and congenial atmosphere, conducive to meaningful learning, was maintained throughout. Quality education and training were provided in a competitive atmosphere in line with internationally recognized standards. The considerable number of research articles, published in reputed national and international journals and books are testimony to the remarkable increase in the generation of knowledge at BUITEMS.

As a vibrant and expanding organization, BUITEMS has adapted itself to the role of building communities, economies and leadership. In this role, the university is contributing to innovation and economic growth by creating partnerships with businesses, governments and other organizations for the purpose of social contract. Our teachers encourage independent and logical thinking which is essential ingredient for successful life and citizenship. Besides imparting world-class education, BUITEMS has defined new dimensions of community engagement and services. Moreover we are constantly pursuing our ideal of quality and excellence in education to achieve the national, regional and global harmony.
We are grateful to Nawab Zulfiqar Ali Magsi, Chancellor BUITEMS, Higher Education Commission (HEC), friends of BUITEMS and our well-wishers for their sustained support. I thank all my colleagues for their valuable contribution to the cause of education in the country.

Ahmed Farooq Bazai
Vice Chancellor

“Experts of Europe Business Assembly research institutions have investigated public opinion to discover contemporary leaders - outstanding and authoritative persons representing different countries which had made a great contribution to the national science and positive social processes. And your establishment was chosen as one of the best representatives of national education. The best graduates of your university are well-known for their high level of knowledge and professional skills both in your country and abroad.”

Europe Business Assembly
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BUITEMS Syndicate is the apex executive body of the University, assigned to take effective measures to raise the standard of teaching, research and publications and other academic pursuits and exercises general supervision over the affairs and the property of the University.
Achievements
BUITEMS: A Saga of Glorious Achievements

BUITEMS marched into the 10th year of its rather juvenile life with the assurance that it has to progress along its course of success ever more forcefully. The basic objective of establishing BUITEMS was to provide quality education in disciplines which are the need of emerging professional fields. With the establishment of this university, modern educational facilities were made available to the youth of Balochistan, at their own door-steps. They were provided opportunities to equip themselves with knowledge and confidence of facing the challenges of practical / professional life.

During the nine years, BUITEMS has maintained steady growth in all components i.e. growth in physical facilities, growth in capable human resources, growth in nature and number of laboratories and equipment installed therein, growth in the number of programs of study and, consequently, growth in the number of students enrolled. From a modest start in a single-building, the university has now assumed the features of sprawling campuses, accommodating five faculties, hostels, playgrounds, expo-center, model research farms, conference halls, electronic systems, lavish lawns and many other facilities. The university has so far produced more than 2800 graduates who are contributing to the socio-economic uplift of the country.

The university has been continuously focusing on quality research; both on the part of our faculty and on the part of our students; and the results have been highly gratifying as quality research articles and books are being published in reputed national and international journals. Almost a dozen of our young faculty members won Fulbright scholarships by dint of their remarkable performance in the tests held for selection of budding and talented scholars. Our students, too, frequently proved their mettle in academic, co-curricular and extra-curricular contests. Almost all of our graduates find their role in nation building activities. Winning trophies and notching top prizes in debates and declamation contests, project competitions and sports events has been acknowledged to be a common trait of our students. This institution is playing a vital role in grooming the overall personalities of the students in order to make them productive and useful members of the community. BUITEMS’ Quarterly Newsletter and Annual Reports signify the outstanding accomplishments of the faculty and the students in every sphere of the campus life. Our campuses remain alive with impressive display of youthful vigor and promising talents.
BUITEMS is contributing significantly in grooming the youth into culturally enlightened and professionally competent manpower to lead and inspire the traditions of our great civilization. We bow our heads in gratitude to Almighty Allah for giving us the courage to transform the concept of education in the province. The university promotes the natural talent of students and encourages the habit of independent thinking. We welcome innovation and variety in academic discussions and insist on individual demonstration of capabilities.
ISO Certification for BUITEMS

ISO 9001:2008 certification for BUITEMS is yet another international standard achieved which is published by the International Organization for Standardization. It is a standard for the implementation of a quality management system to provide a benchmarking for organizational performance in terms of product/services quality. This standard defines as a set of interdepartmental processes that function harmoniously in an organization, using various resources, to achieve objectives related to quality. The certification is a proof of quality and integrity of an organization’s quality management system.
Faculty Strength / Students on Roll
### Detail of Teaching Positions

#### Faculty of Engineering

<table>
<thead>
<tr>
<th>Name of Department</th>
<th>Number of Faculty Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Engineering</td>
<td>13</td>
</tr>
<tr>
<td>Textile Engineering</td>
<td>15</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>7</td>
</tr>
<tr>
<td>Geological Engineering</td>
<td>5</td>
</tr>
<tr>
<td>Petroleum &amp; Gas Engineering</td>
<td>13</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>18</td>
</tr>
<tr>
<td>Architecture</td>
<td>7</td>
</tr>
<tr>
<td>Environmental Management &amp; Policy</td>
<td>5</td>
</tr>
<tr>
<td><strong>Faculty Sub-Total</strong></td>
<td><strong>83</strong></td>
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#### Faculty of Information and Communication Technology

<table>
<thead>
<tr>
<th>Name of Department</th>
<th>Number of Faculty Members</th>
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<tbody>
<tr>
<td>Electronic Engineering</td>
<td>17</td>
</tr>
<tr>
<td>Computer Science</td>
<td>27</td>
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<tr>
<td>Computer Engineering</td>
<td>15</td>
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<tr>
<td>Information Technology</td>
<td>9</td>
</tr>
<tr>
<td>Telecom Engineering</td>
<td>13</td>
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<tr>
<td><strong>Faculty Sub-Total</strong></td>
<td><strong>81</strong></td>
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#### Faculty of Management Sciences

<table>
<thead>
<tr>
<th>Name of Department</th>
<th>Number of Faculty Members</th>
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<tbody>
<tr>
<td>Management Sciences</td>
<td>41</td>
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<tr>
<td>Economics</td>
<td>18</td>
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<tr>
<td><strong>Faculty Sub-Total</strong></td>
<td><strong>59</strong></td>
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#### Faculty of Life Sciences & Informatics

<table>
<thead>
<tr>
<th>Name of Department</th>
<th>Number of Faculty Members</th>
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<tbody>
<tr>
<td>Biotechnology &amp; Informatics/Microbiology</td>
<td>22</td>
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<tr>
<td><strong>Faculty Sub-Total</strong></td>
<td><strong>22</strong></td>
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#### Faculty of Arts & Basic Sciences

<table>
<thead>
<tr>
<th>Name of Department</th>
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<tbody>
<tr>
<td>Arts &amp; Humanities</td>
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</tr>
<tr>
<td>• Fine Arts</td>
<td>16</td>
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<tr>
<td>• English</td>
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<tr>
<td>Social Sciences</td>
<td></td>
</tr>
<tr>
<td>• International Relations</td>
<td>9</td>
</tr>
<tr>
<td>• Mass Communication</td>
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</tr>
<tr>
<td>• Psychology</td>
<td></td>
</tr>
<tr>
<td>• Islamic Studies</td>
<td></td>
</tr>
<tr>
<td>Basic &amp; Natural Sciences</td>
<td></td>
</tr>
<tr>
<td>• Mathematics</td>
<td>13</td>
</tr>
<tr>
<td>• Physics</td>
<td></td>
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<tr>
<td>• Chemistry</td>
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<tr>
<td><strong>Faculty Sub-Total</strong></td>
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<td><strong>Grand Total</strong></td>
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## Student Strength 2011-12

<table>
<thead>
<tr>
<th>Subject</th>
<th>Male</th>
<th>Female</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Arts / Humanities</td>
<td>26</td>
<td>9</td>
<td>35</td>
</tr>
<tr>
<td>Social Sciences (Bachelor)</td>
<td>232</td>
<td>27</td>
<td>259</td>
</tr>
<tr>
<td>Business / Management Sciences (Bachelor)</td>
<td>450</td>
<td>148</td>
<td>595</td>
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<tr>
<td>Business / Management Sciences (Masters)</td>
<td>630</td>
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<tr>
<td>Business / Management Sciences (PhD)</td>
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<td>4</td>
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<tr>
<td>Computer / IT</td>
<td>304</td>
<td>43</td>
<td>347</td>
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<tr>
<td>Computer / IT (M Phil / MS)</td>
<td>51</td>
<td>17</td>
<td>68</td>
</tr>
<tr>
<td>Basic and Natural Sciences etc</td>
<td>312</td>
<td>132</td>
<td>444</td>
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<tr>
<td>Basic and Natural Sciences etc (M Phil / MS)</td>
<td>120</td>
<td>69</td>
<td>189</td>
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<tr>
<td>Basic and Natural Sciences etc (PhD)</td>
<td>33</td>
<td>6</td>
<td>39</td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Civil Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Petroleum &amp; Gas Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Chemical Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Textile Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Geological Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Mining Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Electronics Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Computer Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Telecom Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>4995</td>
<td>744</td>
<td>5750</td>
</tr>
</tbody>
</table>
Board of Studies for Management Sciences
The Board focused on matching the study programs with HEC guidelines and future demands of the industry. The meeting was held on March 12, 2011.

Advanced Studies & Research Board
The 11th and 12th meetings of the Board were chaired by the Vice Chancellor Ahmed Farooq Bazai on April 22, 2011 and December 9, 2011. Pro Vice Chancellor Dr. M.A.K Malghani, Deans of faculties and heads of academic departments attended the meeting. Addressing to the members the Vice Chancellor emphasized the importance of productive research and its role in socio-economic development of the country.
Academic Council
The Academic Council met for its 10th meeting on May 23, 2011 under the Chairmanship of Ahmed Farooq Bazai, Vice Chancellor. Speaking on the occasion, the Vice Chancellor emphasized that the traditional knowledge is ought to be reinforced by the application of modern technology. He spotlighted the position of the youth as the harbingers of change. It is imperative for the universities to acquaint the youth with latest scientific and technological developments, he said.

Syndicate
The Vice Chancellor chaired the 16th meeting of the Syndicate on 14th June, 2011. The Vice Chancellor Ahmed Farooq Bazai apprised the learned members of the Syndicate about the achievements regarding accreditation of Engineering Programs of the University by the Pakistan Engineering Council, ISO certification, and recommendations of statutory bodies, Academic Set-up and new programs offered by the University. The learned members commended the achievements of the University and assured the University for their support on the matters highlighted in the presentation.
PhD Programs Review Committee Meeting

The PhD Programs Review Committee of Higher Education Commission visited BUITEMS on June 24, 2011. The committee comprised: Prof. Dr. Khan Bahadar Marwat Vice Chancellor, Agricultural University, Peshawar, Prof. Dr. Mansoor Akbar Kundi Vice Chancellor, Gomal University, D.I.Khan, Prof. Dr. Abdul Nabi Vice Chancellor University of Balochistan, and Prof. Dr. Fazal A Khalid, Pro-Rector Ghulam Ishaq Khan Institute of Engineering & Technology Topi. The committee discussed implementation status of the HEC criteria for PhD programs of the University and suggested measures for their sustainability.
JICA Chief Visits BUITEMS

Chief of the Japanese International Cooperation for Assistance (JICA), Mr. Takatoshi Nishikata visited BUITEMS on February 27, 2011. He was accompanied by Syed Nadeem Shah, Honorary Consul General of Japan at Quetta. JICA Chief commended the services of the University in remolding peoples’ outlook towards education and international cooperation.

He pledged his continuous support to BUITEMS in educational development efforts for the sake of economic and social development of the people of Balochistan.

IG FC Visits BUITEMS

Secretary Forest Department Calls on Vice Chancellor

Mr. Ghulam Ali Baloch, Secretary to Government of Balochistan, Forest Department visited BUITEMS on March 29, 2011. He commended the academic environment and educational facilities provided to the students.

Chief Secretary Balochistan Visits BUITEMS

Mr. Ahmed Bakhsh Lehri, Chief Secretary, Balochistan paid a visit to Takatu Campus, BUITEMS on May 14, 2011. He was accompanied by Mr. Sarwar Javed, Senior Member Board of Revenue, Mr. Mohammad Naseem Lehri, Commissioner Quetta Division, Mr. Jalal Khan, Secretary Health and Mr. Saleem Raza, Secretary Communication and Works, Balochistan.

Mr. Ahmed Bakhsh Lehri thanked the Vice Chancellor for providing him and his colleagues the opportunity of seeing an institution which stands out as a symbol of hope and reconstruction in the province.
Rector NUST Calls on VC BUITEMS

Lt. Gen. (R) Mohammad Asghar, Rector National University of Science and Technology called on Ahmed Farooq Bazai, Vice Chancellor BUITEMS on May 17, 2011. On the occasion, he offered to arrange lectures by NUST faculty for the BUITEMS students through the videoconferencing facility. Ahmed Farooq Bazai and his colleagues thanked the honorable visitor for his goodwill gesture.

Chief Executive PPAF Visits BUITEMS

Chief Executive, Pakistan Poverty Alleviation Fund, Qazi Azmat Essa called on Vice Chancellor BUITEMS on 11th October, 2011. During his visit, he paid rich tributes to the University faculty for bringing about a revolution in the education system of the province.

Study Tour of Senior Management Course Participants

A group comprising 17 high ranking federal and provincial officers from the National Management College, Lahore visited BUITEMS on October 26, 2011. The visitors appreciated the remarkable progress made by BUITEMS and ensured their full support to the University.
Chairman Pak-China Institute visits BUITEMS

Senator Mr. Mushahid Hussain Syed, Chairman Pak-China Institute visited BUITEMS on 23rd of November, 2011. He appreciated the emergence of positive dynamism in the country, as new institutions like media, judiciary, civil society, youth and NGO’s were gaining ground against stagnation in the political system.
International Visitors Leadership Program
Islam in America

Mr. Tariq Mehmood, Lecturer Islamic Studies visited USA in June 2011 on invitation by the State Department for “International Visitors Leadership Program”. It was a religious program and its title was “Islam in America”. The group was warmly welcomed at Washington DC by the program organizers of the Institute of International Education (IIE) Ms. Alison Bauerlein, Mr. Alexander Gorev, Mr. Andrew Keller and Ms. Melissa Waldron. The delegation had some meetings at Washington Public Sector International Organizations and through these meetings the group members were apprised by US Federalism, US Foreign Policy Initiatives and Muslim Community in the United States. Group visited the beautiful Salt Lake City in the UTAH state. The delegation met the representatives of Muslim Students Association – University of Utah and discussed about the Muslims students and their social activities at University of Utah.

The delegation visited Aziz S. Atiya Middle East Library- University of Utah where they were shown collections of books of world famous writers and the ancient unique copy of the Holy Quran. The delegation had fruitful meetings with intellectuals and Mayor of Grinnell Town, Gordon Canfield. Mr. Canfield informed about the social activities of different organizations and progressive activities of the Grinnell College students. The delegation visited Philadelphia in Pennsylvania State where the program was arranged by the “International Visitors Council of Philadelphia”. The theme was “Islamic Education, Interfaith and Intercultural Initiatives, and Muslim Community in a Large City” During the visit group had meetings with the leaders of “Foundation for Islamic Education”, and at Temple University, Department of Comparative Religion, with Dr. Zain Abdullah, Assistant Professor of Religion, Race and Ethnicity, and with other Intellectuals at “The Interfaith Center of Greater Philadelphia” and Aqsa Islamic Society and Mosque.
COMMUNITY BUILDING APPROACHES
MoA Signed between BUITEMS and SEHER

A Memorandum of Agreement (MoA) was signed between BUITEMS and SEHER on January 07, 2011. Pro Vice Chancellor BUITEMS Prof Dr. M. A. K. Malghani, and Executive Director SEHER Mr. Abdul Wadood signed the MoA. The objective was to develop mutual cooperation between BUITEMS and SEHER with special emphasis on developing potential human resource of Balochistan and provision of higher education opportunities to the talented but financially weak students of BUITEMS through the Work-Study Program. Under the agreement, SEHER would finance 25 Work Study positions.

BUITEMS Flood Relief Donation

Ahmed Farooq Bazai, Vice Chancellor, BUITEMS presented a cheque to Lt. Gen. Javed Zia, Commander, Southern Command on January 20, 2011 on behalf of the university for relief measures for amelioration of the condition of flood victims. BUITEMS has been fulfilling its social obligations by actively responding to the call for combating disasters.
MoU Signed between BUITEMS and Own-a-Student

A memorandum of Understanding (MoU), was signed between BUITEMS and a Khyber Pakhtoonkhwa based organization, ‘Own a Student’ on June 08, 2011 at Takatu Campus. The objective of this MoU was to provide financial assistance to the students of Swat and Malakand Divisions. Under this MoU, Own-a-Student will provide 20 scholarships to BUITEMS students who belong to Swat and Malakand Division.

Corporate Social Responsibility Project

To instil a sense of responsibility and ownership in the students towards their institution, they were given a project to raise funds. Through this fund, the class of BS (BA) 6th succeeded in providing new seating for the canteen and lobby area, a refurbished common room for the girls and arranged for necessary repair work in the university mosque at City Campus.
BUITEMS Faculty and Students meet U.S Information Officer

The U.S Information officer Andie De Arment met with the female faculty members of BUITEMS, SBK and UOB on May 13, 2011. The meeting was a part of an orientation session to inform the teachers and students regarding different US scholarships and exchange programs offered by the US consulate at Karachi.

Study Tour of BS (IT) Students to Islamabad

The Study tour of BS (IT) students was undertaken from December 14-23, 2011. The objective of the tour was to expose the students to academic setting and learning opportunities available at different IT Organizations and Universities. The group visited COMSATS, Quaid-e-Azam University, SZABIST, IBM, PTCL and Elixir Technologies.

Study Tour of BS (Textile Engineering) Students to MUET, Jamshoro

Department of Textile Engineering BUITEMS Quetta arranged a study tour to Department of Textile Engineering, Mehran University of Engineering and Technology Jamshoro Sindh in December 2011. The students of final year BS Textile Engineering performed different experiments in yarn manufacturing laboratory, Textile Testing and Quality control laboratory, Fabric manufacturing laboratory, Textile chemistry and Wet processing laboratory at MUET Jamshoro.
Study Tour of Chemical and Mining Engineering Students to Lahore

Departments of Chemical and Mining Engineering organized an annual study tour for final year students (08–Fall Batch), during the last week of Dec. 2011, to Lahore. The tour was focused on visiting various Process Sectors and to provide a practical insight into the constraints and opportunities in the field of Chemical Engineering. The students visited Dawood Hercules Chemical Limited Pakistan, AkzoNobel Group’s ICI Limited Pakistan, Packages Limited Pakistan, Khewra salt mines, Centre for Coal Technology Punjab University, and University of Engineering & Technology, Lahore.

Participation in Pak-US Cultural Exchange Program

Mr. Saad Khan, a student of Engineering at BUITEMS was selected for the Pak-US Cultural Exchange Program and became a part of Global Undergraduate Cultural Exchange program Pakistan 2011-2012. This program provided Pakistani students a chance to experience and share the culture of Pakistan as well as to conduct community services, participate in cross cultural activities and to develop their academic and leadership skills.
Office of Research Innovation and Commercialization (ORIC)

One of the major features of BUITEMS salient accomplishments has been the promotion of research activities. The research programs launched by BUITEMS have served to strengthen the research output and to accelerate the process of knowledge creation at all levels. With significant increase in the number of students involved in research at BUITEMS, it became imperative to enhance the capacity of all research areas related to the programs of study offered at BUITEMS. ORIC was established to enhance the capacity of research, in general at all levels and particularly at MS and PhD levels. The main task of this office is to identify research grant winning opportunities for the faculty members and to facilitate them in applying for these grants. Another objective is to help the faculty by providing legal, administrative and financial management support and to guide them in commercializing, patenting and licensing of their research products.

ORIC is helping to expand and enhance the university research programs and to link research activities to social and economic priorities of the university. This office is also responsible for ensuring quality of research that reflects the highest international standards.

ORIC has taken an initiative by providing research grants to university teachers/researchers for research projects funded from budget allocations of the University.

ORIC is also helping the faculty members in identifying research areas of high priorities and to submit research proposals to different funding agencies. ORIC is coordinating with different departments of BUITEMS, so that they may start joint research projects.
## Research Projects 2011

**Undertaken by Faculty of Life Sciences and Informatics**  
**(Funded by BUITEMS)**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title of the Project</th>
<th>Principal Investigator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Epidemiology, zoonotic potential, sero-diagnosis and chemotherapy of Babesiosis in different ecological zones of Balochistan</td>
<td>Dr. Muhammad Azam Kakar</td>
</tr>
<tr>
<td>2</td>
<td>Embryo biotechnology for production of high performance dairy cattle/sheep and goat to uplift the socio-economic status of the farmers in the province of Balochistan</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Epidemiology, Zoonotic potential, sero-diagnosis and chemotherapy of ovine fasciolosis in different ecological zones of Balochistan.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Identification of Genes Involved in Primary Microcephaly</td>
<td>Dr. Abdul Wali</td>
</tr>
<tr>
<td>5</td>
<td>Assessing the Relationship between Periodotal Diseases and Ischemic Coronary Heart Diseases in local population of the patients of Quetta</td>
<td>Dr. Agha Muhammad Raza</td>
</tr>
<tr>
<td>6</td>
<td>Development of a detection system for rust resistance genes in Wheat (<em>Triticum aestivum</em>).</td>
<td>Dr. Nazeer Ahmed</td>
</tr>
<tr>
<td>7</td>
<td>Detection of Rust resistance genes in barely (Hordium vulgareL) using molecular markers</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Comparison of ELISA and RIA Techniques for the diagnosis of Hypothyroidism by detecting the level of Thyroid Stimulation Hormone (THS), T4 and T3 in different ethnic groups of Quetta city.</td>
<td>Ms. Asma Yousafzai</td>
</tr>
<tr>
<td>9</td>
<td>Preliminary Phytochemical and Antimicrobial Screening of Some Ethno medicinal plant extracts of Balochistan, Traditionally used against skin infections</td>
<td>Ms. Imrana Niaz Sultan</td>
</tr>
<tr>
<td>10</td>
<td>Optimization of protocol for high quality rose plants production and to determine factors affecting their adaptation to sustainable hydroponic culture under controlled environmental conditions</td>
<td></td>
</tr>
<tr>
<td>S. No.</td>
<td>Title of the Project</td>
<td>Under Evaluation by</td>
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<tr>
<td>--------</td>
<td>------------------------------------------------------------------------------------</td>
<td>--------------------------------------------</td>
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<tr>
<td>1</td>
<td>Detection, typing and isolation of indigenous field isolates of Foot and Mouth Disease Virus from Quetta and Pishin districts of Balochistan</td>
<td>PSF (Pakistan Science Foundation) Islamabad</td>
</tr>
<tr>
<td>2</td>
<td>Improving reproductive efficiency of cows and buffaloes through oestrus synchronization and timed artificial insemination</td>
<td>ALP (Agricultural Linkages Programme) Islamabad</td>
</tr>
<tr>
<td>3</td>
<td>Prevalence of hepatitis B virus (HBV) Genotypes in Balochistan</td>
<td>PMRC (Pakistan Medical Research council)</td>
</tr>
<tr>
<td>4</td>
<td>To Evaluate the Genetic Stability of <em>Juniper excelsa</em> Plants Produced via In Vitro Culture by the Use of DNA Fingerprinting.</td>
<td>HEC (Higher Education Commission)</td>
</tr>
</tbody>
</table>

**Faculty of Life Sciences and Informatics**
Faculty of Arts and Basic Sciences

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title of the Project</th>
<th>Under Evaluation by</th>
<th>Principal Investigator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Active Screen Cage Pulse Dc Plasma Discharge</td>
<td>HEC (Higher Education Commission)</td>
<td>Dr. Hamdullah Tareen</td>
</tr>
</tbody>
</table>

MS Research Projects (Faculty of Life Sciences and Informatics)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title of the Project</th>
<th>Student</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Assessment of the relationship between oral infections and ischemic coronary heart diseases in Local population of Quetta.</td>
<td>Ms. Samia Parveen</td>
<td>Dr. Agha Muhammad Raza</td>
</tr>
<tr>
<td>2</td>
<td>Identification of genes involved in primary microcephaly.</td>
<td>Ms. Khadija Kakar</td>
<td>Dr. Wali Tareen</td>
</tr>
<tr>
<td>3</td>
<td>Linking study in families from Balochistan having recessive retardation.</td>
<td>Mr. Noor Agha</td>
<td>Mr. Naseebullah kakar</td>
</tr>
</tbody>
</table>

MS (Computer Science) Research Projects

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title of the Project</th>
<th>Student</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Comparison between various Access Technologies of Broadband Services in Pakistan</td>
<td>Sajjad Hussain</td>
<td>Mr. Athhasham Sajid</td>
</tr>
<tr>
<td>2</td>
<td>Comparison of Hierarchal Protocols for Wireless Sensor Networks</td>
<td>Awais Ahmed</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Broadband Wireless Access in Vehicles</td>
<td>Farhan Elahi</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Cloud Computing infrastructure for E-Government in Pakistan Analysis and Benefits</td>
<td>Saima Gul</td>
<td>Mr. Mirza Aamir Mehmood</td>
</tr>
<tr>
<td>5</td>
<td>Optimal Number of Clusters in Large &amp; Dense Wireless sensor Networks</td>
<td>Saira Imtiaz</td>
<td>Mr. Qazi Javed</td>
</tr>
<tr>
<td>6</td>
<td>Improvement of BGP session Maintenance</td>
<td>Sadia Amin</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Performance Comparison of Reactive and Proactive Mobile Adhoc Routing Protocols</td>
<td>Kahif Ibrahim</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Multi Agents Systems in Mobile Adhoc Networks</td>
<td>Hafsa Usama</td>
<td>Mr. Imran Siddique</td>
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</table>
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<thead>
<tr>
<th>S. No.</th>
<th>Title of the Project</th>
<th>Student</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Empirical Study of Impact of Exchange Rate on Exports</td>
<td>Suhail Shah, Shabir Shah, Asad Khan, Naseer Ahmed</td>
<td>Abdul Sattar</td>
</tr>
<tr>
<td>2</td>
<td>Impact of Financial Ratios on Earning Price of Firms</td>
<td>Muhammad Imran Faiz, Ghulam Raza, Wali Khan</td>
<td>Asif Raz</td>
</tr>
<tr>
<td>3</td>
<td>Testing the Volatility Clustering in Top 25 Companies of KSE-100 Using Camp</td>
<td></td>
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</tr>
</tbody>
</table>

Books published

**GRIN publisher Germany**
Business Economics – Business Management Corporate Governance
(Procurement Management – The Process)
*Nadeem – uz – Zaman*

**GRIN publisher Germany**
UAE and Globalization – Attracting Foreign Investment
(Business Economics – Trade and Distribution)
*Nadeem – uz – Zaman*

**GRIN publisher Germany**
Social Security in UAE (Law – Miscellaneous)
*Nadeem – uz – Zaman*

**GRIN publisher Germany**
Cadbury’s Employee Relationship Management
(Business Economics Personnel and Organization)
*Nadeem – uz – Zaman*

**LAMBERT Academic Publishing**
Risk Management in Islamic Banking
*Abdul Sattar*
Honors & Awards

Membership of International Editorial Board.

Prof. Dr. Faheem-ud-Din, received Editorial Board membership of The International Journal of Textile Science, USA for one year commencing from December 10, 2011.

HEC Best Research Paper Award

Higher Education Commission, Islamabad conferred research awards on 33 outstanding researchers in different categories in Pakistan. Professor Dr. Faheem Uddin, Professor and Chairperson Textile Engineering Department, BUITEMS, received the Best Research Paper Award in Engineering and Technology for his paper titled, ‘Clays, nanoclays, and montmorillonite minerals’. He was the principal author of the paper published in Metallurgical and Materials Transactions A, Volume 39 A (December 2008). The journal is published by the Minerals, Metals, and Material Society and ASM International. The journal is one of the leading international journals in material engineering category.

HEC Chairperson Dr. Javaid R. Laghari said at the occasion that the purpose of these awards is to recognize and reward the achievements of Pakistani researchers/scholars in research, innovation and publication in all areas of knowledge. He said that the university research is directly linked to the economic growth of any country and that has been proved by the developments taking place across the globe. Federal Minister for Science and Technology Mir Changez Khan Jamali stressed the need for developing a strong research culture in the country. Congratulating the award winners, the minister underlined the significance of need-based research.
Research Publications

1. American Journal of Human Genetics; 88:127-137
Loss-of-Function Mutations of ILDR1 Cause Autosomal Recessive Hearing Impairment DFNB42

2. Molecular Vision; 17:1940-1945
Identification of a novel LCA5 mutation in a Pakistani family with Leber congenital amaurosis and developmental cataracts
Adeel Ahmad, Shakeela Daud, Naseebullah Kakar, Gudrun Nürnberg, Peter Nürnberg, Masroor Elahi Babar, Michaela Thoenes, Christian Kubisch, Jamil Ahmad, Hanno Jörn Bolz (2011)

3. Clinical Exp Dermatology; 36:652-654
Mutations in the LPAR6 and LIPH genes underlie autosomal recessive hypotrichosis/woolly hair in 17 consanguineous families from Pakistan

4. Indian Journal of Human Genetics; 17:65-69
Molecular investigation of mental retardation locus gene PRSS12 by linkage analysis

5. Journal of Independent Studies and Research—MSSE Volume 9 – No.1
Pakistan NFC Award 2009 and People’s Perception — A case study of Balochistan

Impact of Inflation on Household Consumption-A Case of Pakistan

Risk Mitigation in Islamic Finance through Policies and Regulatory Model- A Way to Long-Term
Zaki AR, Sattar A, Manzoor MM (2011)

Relationship between Education and Economic Growth in Pakistan: A time series analysis
Kakar ZK, Khilji BA, Khan MJ (2011)

Seamless Vertical Handover in WiFi and WiMAX Networks using RSS and Motion Detection: An Investigation
Naeem B and Nyamapfene A (2011)

Factors Affecting the Real Estate Prices in Pakistan
Kakar MK, Kakar MA (2011)
| 11. | *IJCSI*; 8: 315-319  
Improving web page readability by plain language  
**Hussain W, Sohaib, O, Ali A** (2011) |
| 12. | *International Journal of Computer Science Issues*; 8: 584-587  
User experience (UX) and the web accessibility standards  
Sohaib, O, **Hussain W, Badini MK** (2011) |
The Long-Run Relationship among Money, Income and the Price Level In Pakistan  
Kakar MK, Khan W, Waliullah, **Kakar MA** (2011) |
E-Learning: Closing the Digital Gap between Developed and Developing Countries  
Ali A, **Hussain W** and Ahmed A (2011) |
Web Readability Factors Affecting Users of All Ages  
| 16. | *Journal of International Academic Research*; 11:52-60  
Obstacles faced by Females in pursuing their Jobs in Pakistan  
Khan MJ, Kakar ZK, **Ullah Z** (2011) |
| 17. | *Applied Mechanics and Materials*; 44-47, 2299-2306  
Solid State Synthesis and Characterization of Spintronics Material Cd0.55 Hg0.45 Te  
Asghar HMNHK, Asghar M, Awan MS (2011) |
| 18. | *Journal of International Academic Research*; 11:37-41  
Effect of Female Education on Family Size in Pakistan: A Case Study of Quetta City  
Kakar ZK, Khilji BA, **Zafar Ullah** (2011) |
The Effects of Different Concentrations and Combinations of Growth Regulators on the Callus Formation of Potato (Solanum tuberosum) Explants  
An Agent Based Architecture for Cognitive Spectrum Management  
Ahmed A, Hassan MM, Sohaib O, **Hussain W, Khan MQ** (2011) |
Hyper-GA For Solving Benchmark Scheduling Problems  
**Ahmed, Aftab** (2011) |
Hyper-Heuristic Approach For Solving Scheduling Problems: A Case Study  
**Ahmed, Aftab** (2011) |
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<thead>
<tr>
<th>No.</th>
<th>Journal Title</th>
<th>Volume/Issue</th>
<th>Title</th>
<th>Authors</th>
<th>Year</th>
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<tbody>
<tr>
<td>34</td>
<td>Munich Personal RePEc Archive MPRA Paper No. 32608 Page 1-9</td>
<td></td>
<td>Determinants of increased real prices of livestock in Balochistan (Review Article)</td>
<td>Zaman Nadeem Uz and Marri Sohrab Khan</td>
<td>posted 06. August 2011 / 20:13</td>
</tr>
</tbody>
</table>
35. *BTH Transaction on Engineering Research Methodology* Karlskrona, Sweden
Fetal ECG extraction by Adaptive Noise Cancellation with LMS and RLS algorithms: A comparative study (Review Article)
Iftekhar A. Shaikh, Mozhgan Hedayati and Ramaz Shmhan (2011)

36. *Journal of Science, Technology and Development* 30(4)
Progressive Dataset Initialization of Curriculum Benchmark Scheduling
Ahmed Aftab, Ghulam Ali, Walayat Hussain (December, 2011)

Conference Presentations

*IEEE Seventh International Conference on Natural Computation (ICNC), 2011 Shanghai, China*

Triphasic solving approach for scheduling problem
Aftab Ahmed

Privacy issues in Mobile Adhoc & VANETs Network
Athatsham Sajid

Information Technology Trends in E-Learning Process in Pakistan
Mazhar Ali

Euro Asia Symposium YTU Istambul, Turkey November 14-16, 2011
Combining Flame Retardant & Easy Care Finishing for Cotton
Faheem Ud Din

*International Conference On Textile and Clothing (ICTC-3) March 22, 2011*
An Update in Latest Development in Textile Finishing
Faheem Ud Din
LUMUN 2010

Abdul Ahad led the BUITEMS delegation at Seventh Annual Lahore University Model UN (LUMUN) Conference in first week of January 2011. Other participants were Mujtaba Hassan Moosa, Ali Mustafa, Sajjad Ali, Javed Hussain and Shams Ullah. BUITEMS delegation was assigned the task of representing Venezuela at the conference.

IEEE SCONEST 2011

B.K. Chandio from the Department of Electronic Engineering, FICT presented his research in IEEE SCONEST (Student Conference on Engineering Sciences and Technology) 2011. The conference was held on 27th - 28th July, 2011, at Mehran University of Engineering & Technology, Jamshoro.

Annual Technical Conference 2011

Annual Technical Conference 2011 was held on November 22-23, 2011. The theme of the conference was “Energy Security through Indigenous Resources”. Two faculty members, Engr. Pir Hussain & Engr. Mehrullah Mari from P&G Engineering Department BUITEMS along with eight students represented BUITEMS at the conference.

Ms. Samana Ishaq, student of Petroleum & Gas Engineering Department BUITEMS presented her research paper on “Stress Effects on Porosity and Permeability in Depleting Reservoirs”. Her paper was ranked second among the 15 Papers selected on merit. Mr. Iqrar Qadir student of Petroleum & Gas BUITEMS also presented his research paper “Gas Hydrates and Drilling Challenges”.

### Workshops

**Topic:** Professional Skills Development  
**Organized for:** Fresh Graduates & Final Semester Students of Business Administration  
**Held on:** 9th, 10th February, 2011  
**Resource Person(s):** Mr. Ahsan Hashmi (HEC), Mr. Ahsan Jamil Mufti, Mr. Akram Tareen, Arbab Naseebullah Kasi, Mr. Ghulam Gilani Kasi, Mr. Ibrahim Khilji, Mr. Jawad Khan, Mr. Mohammad Ishaq, Syed Shah Muhammad.  
**Organized by:** Faculty of Management Sciences  
**Guest of Honor:** Prof. Barkat Ali, Dean Faculty of Management Sciences  

**Topic:** Tubing Conveyed Perforation, Drill Stem Testing and Surface Well Testing  
**Organized for:** Students of Petroleum & Gas Engineering Department  
**Held on:** 9th, 10th, 11th March, 2011  
**Resource Person(s):** Mr. Hashim Lodhi  
**Organized by:** Society of Petroleum Engineers (Quetta Students Chapter)  

**Topic:** Professional Competence Enhancement Program for University Teachers.  
**Organized for:** BUITEMS Young Teaching Faculty  
**Held on:** March 17 to April 21, 2011  
**Resource Person(s):** Master Trainers from BUITEMS  
**Organized by:** Directorate of Human Resource Development  
**Chief Guest**  
**Guest of Honor** Ms. Noor Amna Malik, D.G.Learning Innovation HEC
Topic: Student Development
Organized for: Students of BUITEMS and other Institutions
Held on: 5th, 6th, 7th June, 2011
Resource Person(s): Ms. Sabiha Shaheen, Mr. Iqbal Haider Butt
Organized by: BARGAD Pakistan (A youth Development Organisation)
Guest of Honor: Mr. Saqib Aziz

Topic: Technical Workshop on “Well Completion”.
Organized for: Students of Petroleum & Gas Engineering.
Held on: 23rd June, 2011
Resource Person(s): Mr. Aslam Umrani, Engr. OGDCL
Organized by: Society of Petroleum & Gas Engineering Quetta (Student Chapter)
Guest of Honor: Dr. M. Yaqoob Soomro

Topic: Professional Training For Newly Appointed Faculty
Organized for: Teaching Staff Appointed in September, 2011
Held on: 15th Sept. to 5th Oct. 2011
Resource Person(s): Senior Faculty, BUITEMS
Organized by: Directorate of Humar Resource Development
Guest of Honor: Ahmed Farooq Bazai

Topic: Strategies for Improvement in Livestock Reproduction
Held on: December 19, 2011
Resource Person(s): Dr. Azam Kakar and others
Organized by: UVAS, Lahore
Chief Guest: Dr. Manzoor Ahmed, Ex Vice Chancellor, UVAS.
### Seminars & Symposia

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<th>Theme:</th>
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<td>Organized for:</td>
<td>Chemical &amp; Biological Scientists</td>
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<tr>
<td>Venue:</td>
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<tr>
<td>Held on:</td>
<td>January 3-6, 2011</td>
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<tr>
<td>Organized by:</td>
<td>International Center for Chemical and Biological Sciences, University of Karachi</td>
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<tr>
<td>Coordinated by:</td>
<td>Ms. Asma Yousafzai, Ms. Nusrat jahan</td>
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<thead>
<tr>
<th>Theme:</th>
<th>Vertical and Horizontal Casing Design.</th>
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<tr>
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<td>SPE (Student Chapter Quetta)</td>
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<td>Venue:</td>
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<td>30th January, 2011</td>
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<tr>
<td>Organized by:</td>
<td>Department of Petroleum and Gas Engineering.</td>
</tr>
<tr>
<td>Coordinated by:</td>
<td>Dr. M. Yaqoob Soomro</td>
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<th>Theme:</th>
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<td>Organized for:</td>
<td>BS (Biotechnology &amp; Informatics)</td>
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<td>Held on:</td>
<td>Jan 21, 2011</td>
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<tr>
<td>Resource Person(s):</td>
<td>Dr. Ali Nasir Bugti, Dr. Farooq Azam, Dr. Alla-ud-Din</td>
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<tr>
<td>Organized by:</td>
<td>UNICEF</td>
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<tr>
<td>Coordinator(s):</td>
<td>Ms. Imrana Niaz Sultan</td>
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<tr>
<th>Theme:</th>
<th>Empowering Women Entrepreneurs</th>
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<tr>
<td>Organized for:</td>
<td>Females of Balochistan</td>
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<tr>
<td>Held on:</td>
<td>April 23, 2011</td>
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<tr>
<td>Resource Person(s):</td>
<td>Prof. Dr. M. A. K Malghani, Arbab Nasibullah Kasi</td>
</tr>
<tr>
<td>Organized by:</td>
<td>PASTIC National Center, Islamabad</td>
</tr>
<tr>
<td>Guest of honor:</td>
<td>Begam Ghazala Gola</td>
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<table>
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<tr>
<th>Theme:</th>
<th>Impact of Energy Crisis on Economy of Pakistan</th>
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<td>Organized for:</td>
<td>BS (Economics)</td>
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<td>April 26, 2011</td>
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<tr>
<td>Resource Person(s):</td>
<td>Prof. Munir Ahmed</td>
</tr>
<tr>
<td>Organized by:</td>
<td>Department of Economics</td>
</tr>
<tr>
<td>Coordinator(s):</td>
<td>Mr. Aziz Ahmed</td>
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</table>
**Theme:** Smart Studies  
**Organized for:** Students of BUITEMS  
**Held on:** June 14, 2011  
**Resource Person(s):** Mr. Muhammad Shah Khan, Mr. Ishaq Khan  
**Organized by:** Directorate of University Advancement and Financial Assistance (UA&FA)  
**Coordinator(s):** Mr. Muhammad Shah Khan

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**Theme:** Health, Safety & Environment  
**Organized for:** Students of Petroleum and Gas Engineering BUITEMS  
**Held on:** June 23, 2011  
**Resource Person(s):** Engr. Muhammad Yasir Buzdar, Abraj Energy Services, Oman  
**Organized by:** Society of Petroleum Engineers (Students Chapter BUITEMS)  
**Coordinator:** Dr. M. Yaqoob Soomro

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**Theme:** Interdisciplinary Research in Medical Textiles  
**Organized for:** Faculty and students of Life Sciences and Informatics  
**Held on:** June 14, 2011  
**Resource Person(s):** Prof. Dr. Faheem Uddin  
**Organized by:** Faculty of Life Sciences & Informatics

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**Theme:** Symposium on Human Rights  
**Organized for:** Students and Faculty.  
**Held on:** December 20, 2011  
**Venue:** Green Hall, Takatu Campus.  
**Resource Persons:** Mr. Tahir Hussain (Advocate)  
Mr. I. A. Rehman, Secretary General HRCP  
Mr. Aziz-ud-Din, Lecturer Psychology, UoB  
Mr. Rahat Malik, Citizens’ Rights, Pakistan  
**Chief Guest:** Dr. M.A.K. Malghani, Pro Vice Chancellor, BUITEMS
Theme: Institution Building
Organized for: Faculty and students of BUITEMS
Held on: December 8, 2011
Resource Person(s): Mr. Amjad Rasheed
Organized by: BUITEMS
Guest of Honor: Ahmed Farooq Bazai
BUITEMS Newsletter is an effective medium of communication with government offices, universities and other organizations concerned with academic affairs. It also serves as a chronicle of different developments taking place in all spheres of the university life.
Publication of the Annual Report is a regular feature of BUITEMS endeavors at maintaining link between the University and other stake-holders inland and abroad. This is the fifth consecutive year that the University Annual Report has been published. Patrons, friends and well-wishers of BUITEMS have eulogized the publication in words which can be rightly described as highly encouraging.
Research Journal

BUITEMS published two volumes of JOURNAL OF APPLIED AND EMERGING SCIENCES in 2011. The first issue of the journal was published by BUITEMS in July, 2011 while the second issue appeared in December, 2011.

Volume 2- Issue I

Maqsood Ahmed Khan, Ehsanullah Kakar, Dost Muhammad Baloch, Salah Ud Din Azad
GLEAMS COMPUTER MODEL PESTICIDE PREDICTION IN TWO SOILS

Muhammad Nadeem and Adul Hussain Shah Bukhari
NOTATIONS FOR FACILITATING SOFTWARE SECURITY DESIGN

Maqsood Ahmed Khan, Ehsanullah Kakar, Dost Mohammad Baloch, Salah Ud Din Azad
CALIBRATION OF TIME DOMAIN REFLECTOMETRY (TDR) SOIL MOISTURE POINT PROBE FOR TWO SOILS

Ansaruddin Syed
AN INTERESTING IDENTITY OF TWO INTEGRALS APPEARING IN REPRESENTATION THEORY

Rubbia Majeed, Ehsanullah Kakar, Maqsood Ahmed Khan
OPTIMIZING THE HC RECOVERY ALONG WITH CO2 STORAGE

Faisal A. K. Kakar, Murad Khalid, Faizan A. Suri
ENHANCED OUTDOOR-TO-INDOOR COVERAGE ESTIMATION IN MICROCELLS

Samia Parveen, Agha Mohammad Raza, Maria Nasrullah
ANTIBACTERIAL ACTIVITY OF DIFFERENT SPICES AGAINST S.AUREUS, E.COLI AND KLEBSELLA
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<td>Salah Ud Din Azad, Maqsood Ahmed Khan, Ehsanullah Kakar, Dost Mohammad Baloch</td>
<td>IMPACT OF WATER SCARCITY ON ECONOMY AND WETLAND HABITAT WITH SPECIAL REFERENCE TO BALOCHISTAN</td>
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<td>Naqibullah, Agha Mohammad Raza, Dost Mohammad Baloch, Mohammad Saeed, Arif Awan, Farhat Abbas, Wadood Kakar</td>
<td>EFFECT OF DIFFERENT PARAMETERS ON OPTIMUM PRODUCTION OF MICROBIAL ALPHA AMYLASE PRODUCTION FROM BACILLUS SUBTILLUS</td>
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<td>Muhammad Nadeem and Abdul Hussain Shah Bukhari</td>
<td>INFORMATION TECHNOLOGY MANAGEMENT IN PAKISTANI ORGANIZATIONS: CURRENT STATE AND IMPROVEMENT OPPORTUNITIES</td>
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<td>CURRENT TRENDS IN HR (HUMAN RESOURCES): WHAT EMPLOYEES EXPECT FROM TODAY’S POLICY-MAKERS</td>
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<td>Abdul Wahid Baloch, Muhammad Gohram Khan Malghani, Mohammad Shafee Khan</td>
<td>ISOLATION AND BIOCHEMICAL CHARACTERIZATION OF SALMONELLA &amp; E.COLI FROM BOVINE MILK COLLECTED FROM SALE SHOPS, GOVERNMENTAL &amp; PRIVATE DAIRY FARMS AT QUETTA PAKISTAN</td>
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<td>M. NAWAZ</td>
<td>GOLDBACH PRIMES ASSOCIATED WITH 2N</td>
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<td>STUDY ON GROWTH POTENTIAL OF SIPLI AND THALLI BREEDS OF SHEEP ON DIFFERENT RATIONS</td>
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<td>Mohammed Gohram Khan Malghani, Dr Abdul Majeed Cheema, Maqsood Ahmad Khan, Dr Mudassar</td>
<td>BIOACCUMULATION DETECTION &amp; COMPARISON OF HEAVY METALS IN FRESH WATER AND WASTE WATER VEGETABLES OF QUETTA CITY.</td>
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<td>SOCIO-ECONOMIC EFFECTS OF WATER SCARCITY IN TEHSIL KARAZAT DISTRICT PISHIN BALOCHISTAN</td>
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<tr>
<td>Arshad Ali and Ehsanullah Kakar</td>
<td>FAILURE PREDICTION AND CRACK PROPAGATION WITH STRESS CONCENTRATION USING COHESIVE ZONE FINITE ELEMENT ANALYSIS</td>
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<td>Muhammad Qasim Khan, Feroz Mehmood, Dawood Khan and Walayat Hussain</td>
<td>BARRIERS TO IMPLEMENT E-VOTING SYSTEM IN PAKISTAN</td>
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<td>Muhammad Khalid Baloch, Roden J Hovel, Masood ul Haq Kakar, Muhammad Arif Awan, Saeed ur Rehman, Naveed Iqbal, Nazeer Ahmed and Muhammad Azam Kakar</td>
<td>AN EVALUATION OF PRODUCTION EFFICIENCY OF INDIGENOUS SHEEP BREEDS IN BALOCHISTAN, PAKISTAN</td>
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<td>ISOLATION AND IDENTIFICATION OF ESCHRESIA COLI FROM URINARY TRACT</td>
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</tr>
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<td>QUANTALOIDS AND SHEAVES ON RIGHT GELFAND QUANTALES.</td>
<td>M. Nawaz</td>
</tr>
</tbody>
</table>
Directorates
Directorate of Quality Enhancement & Accreditation

Directorate of Quality Enhancement & Accreditation is functioning under the direct supervision of the Vice Chancellor, whose personal interest in various processes of the Directorate has led the University on to the path of success.

Multifarious activities of this Directorate provide the University with better means for learning from past experience, improving service delivery, planning & allocating resources and demonstrating results as part of accountability to all stakeholders.

The Directorate sets performance targets and continuously assesses the progress toward achieving them. It identifies problems via an early warning system to allow corrective actions to be taken. With the methodology of Logical Frame-work Adoption, the Directorate ensures the application of different academic and non-academic procedures at BUITEMS.

The Directorate is actively involved in improving planning and management, mapping design of complex activities of all the study programs of BUITEMS, through Self Assessment Process.

The Directorate initiated formal surveys, with the intent of further improving the quality of teaching. It also initiated the rapid appraisal methods for improving the quality of human resources at BUITEMS.

The Directorate applies participatory methods to improve the quality of adopted procedures and plays a major role in impact evaluation at BUITEMS.

Quality Assurance

Faculty Development

BUITEMS, from its inception till date has been focusing on the development of faculty for achieving the goals embedded in its quality policy. A number of faculty members proceeded abroad for MS & PhD studies to enhance their qualifications as well as their professional skills. Some of them have already completed their MS & PhD and have rejoined BUITEMS.

Research Activities

The role of research is as important as its academic role to the achievement of the objectives set in the University’s mission. Various steps have been taken by BUITEMS to stimulate strong research ventures, which are also given adequate publicity in campus publications and research journals. BUITEMS has structured a standardized format for MS and PhD thesis for the guidance of BUITEMS researchers.

New Programs:

BUITEMS keeps on introducing new degree and specialized certification programs in the light of the requirements of the region.
Books and Laboratories

The Directorate ensures the reinforcement of library resources through continuous addition of new titles. New laboratories have been established and the laboratory equipment has been adequately updated.

Accreditation of Programs

The following Engineering programs have been accredited by the Pakistan Engineering Council.

- BS Telecommunication Engineering
- BS Electronic Engineering
- BS Computer Engineering
- BS Chemical Engineering
- BS Textile Engineering
- BS Petroleum Engineering
- BS Mining Engineering
- BS Geological Engineering
- BS Civil Engineering

PEC has conducted zero visit for following programs.

- BS Electrical Engineering
- BS Mechanical Engineering
- BS Software Engineering

BUITEMS has initiated the process of seeking accreditation of:

- Business and Management programs of studies from National Business Education Accreditation Council (NBEAC)
- Bachelor of Architecture from Pakistan Council of Architects and Town Planners (PCATP)
- Computer Science and IT programs from National Computing Education Accreditation Council (NCEAC)

BUITEMS is a certified ISO 9001:2008 from United Kingdom Accreditation Service (UKAS).
Directorate of Information Technology

Campus Management Solution

Progressive elaboration is the main essence of all the information technology projects. In the first phase of CMS project “requirement gathering”; signoff, student’s profiles upload, training session for each user in accordance to their role, sessions with faculty members for the insertion and update of student grades were conducted.

The second phase covered up student admission, student records, students’ financial matters, comparison of student grades with legacy system, preparation of DMCs and transcripts to be issued by the examination branch. The System was enabled to check the liabilities, and find out defaulter students; applied repeat checks, academic standings and so on.

Now in the third phase, the CMS has become the backbone of the University academics and role of the system is gradually increasing. Currently, utilization of the CMS is about 80%. Processes are being matured and are being converted into routine operation.

The CMS technical team at the backend is always supporting development of reports, resolving issues relating to setup aspects and to focus on the remaining functionality aspects for example, contributor relation, hostel management, work on integration broker and exploring more functionality aspects.

- Important Tasks Related to each domain and the required time frame for Completion
- Admission Related Tasks and deadlines.
- Student Accounts delivery on test bases
- Interaction with Techlogix on Online Admission Application.
- Interaction with HEC and Techlogix on BI
- Bundles upgrade activity on stage, dev and production.
- People Tool upgrade activity on stage and Dev
- Development of CMS New User account request Proforma and procedure
- CMS flows demo and presentation to authorities, faculties and students.
- Summer Camp 2011 tasks and deadlines
- Training sessions for Faculties, admission department, Quality assurance department and for Finance department
- Development of Central results complaint monitoring committee
- Status presentation in the management committee
- Grading status update and follow up
- Development of result clearance Proforma through CMS
- Development of Defaulters report
- Shared features of CMS bundles and upgrade of people tools
- Preparation of training manuals of, graduation Process for Examination Branch, guide line for Unofficial Transcripts and Migration cases.
PERN

Pakistan Education Research Network (PERN) is an HEC platform that furnishes international bandwidth to public sector universities of Pakistan. BUITEMS is a part of PERN-II that acquires 75 Mbps of bandwidth. This bandwidth is provided to faculty, administrative staff and students of BUITEMS through various computer labs and desktop computers to facilitate their R&D activities. A research test bed for IPv6 is currently under progress.

Digital Library

HEC’s National Digital Library (DL) is a program to provide researchers of BUITEMS with access to international scholarly literature based on electronic (online) delivery, providing access to high quality, peer-reviewed journals, databases, articles and e-Books across a wide range of disciplines. The e-books support program will allow researchers to access most of the important text and reference books electronically in a variety of subject areas. Around 75,000 e-books, articles and other electronic content have been made available through the Digital Library Program. http://www.digitallibrary.edu.pk/buitms.html

The Digital Library can be accessed easily whether the researcher is based on campus or outside. For further facilitation, a computer lab having 25 sophisticated systems dedicated for the purpose has been established in the Central Library, Takatu campus, BUITEMS.

Video Conferencing Facility

BUITEMS has a complete setup of Video Conferencing Facility with high definition cameras & screens. This facility is operational since 2009. Through Video Conferencing facility, the students have the opportunity to learn from highly qualified teachers, exchange their ideas, contribute & share their research work. This would enhance their knowledge and capabilities and consequently the standard of education in Balochistan.
This project aimed towards connecting universities in Pakistan through Video Conferencing facility, so that students could have the opportunity to learn from scholars of repute, contribute and communicate their views in order to enhance their knowledge and capabilities.

BUITEMS is an active member of online distant learning program of HEC launched during 2011 under the banner of VEPP (Virtual Educational Project of Pakistan.) BUITEMS also participated in All Pakistan Online debate competition held through Video Conferencing. BUITEMS has state of the art web-site which provides distortion free services.

Up gradation of IT Infrastructure

Information Technology plays a vital role in the development of any organization. Therefore efforts are being made for upgrading the IT infrastructure of University. During 2011, new servers (IBM eServer Blade Center H Chassis with IBM Blade Server HS22) were purchased for improvement in the network as well as communication with the outer world.

Computer laboratories established during 2011

<table>
<thead>
<tr>
<th>S. No</th>
<th>Campus</th>
<th>Name of the lab</th>
<th>No of Computers</th>
<th>Brand &amp; type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>City</td>
<td>Management Sciences</td>
<td>30</td>
<td>HP (Core i3)</td>
</tr>
<tr>
<td>2</td>
<td>Takatu</td>
<td>Bio Informatics</td>
<td>30</td>
<td>Acer (Dual Core)</td>
</tr>
<tr>
<td>3</td>
<td>Takatu</td>
<td>Advanced Computing</td>
<td>50</td>
<td>HP (Core i5)</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Digital Library</td>
<td>30</td>
<td>HP (Core i3)</td>
</tr>
</tbody>
</table>

SDN-AA License for Faculty, Staff & Students

In order to provide access to licensed Microsoft software to the faculty, staff & students, Microsoft Developers Network Academic Alliance (MSDN-AA) was made. This will not only eradicate the piracy but also give students as well faculty an opportunity to perform their research activities by using genuine software/ tools.
Directorate of University Advancement & Financial Assistance

In the year 2011, BUITEMS maintained its tradition of providing financial assistance to its students. More than 2000 students received financial assistance in the form of scholarships, fee waivers and Work-study incentive. In addition to the merit- and need-based scholarships provided by BUITEMS, many other donors provide scholarships to BUITEMS students. Such scholarships include USAID Need-based Scholarship, Japanese Need-based Scholarship, Khushali Bank Scholarship, Balochistan-Fata Scholarship, NICT R&D Scholarship, Pakistan Bait-ul-Maal Scholarships, Punjab Educational Endowment Fund Scholarships, USAID IDP Scholarship.

Work-Study Program

In the year 2011, around 350 students were inducted under Work-Study Program and attached to different departments of the University as Office Assistant, Teacher Assistant, Computer Assistant, Research Assistant, Publication Assistant, Community Service Provider, Library Assistant and Lab Assistant etc.

Alumni Relations

Alumni relations are of strategic importance to BUITEMS. In order to achieve its goal of maintaining a life-long relationship with BUITEMS alumni, the Directorate of UA&FA has developed a comprehensive database of BUITEMS Alumni. The Directorate remained in continuous contact with all the BUITEMS alumni and kept them informed about all the developments taking place in the University. BUITEMS Newsletters and Annual Reports were shared through e-mail with alumni and donors, regularly. In addition, a Facebook group ‘BUITEMS Alumni Association’ has been formed where thousands of BUITEMS alumni share their views and news. BUITEMS has so far produced more than 2800 graduates in different disciplines. Our alumni are currently serving for more than 160 employers worldwide.
## BUITEMS Alumni Data

<table>
<thead>
<tr>
<th>Degree Programs</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA</td>
<td>447</td>
<td>183</td>
</tr>
<tr>
<td>MBA (Banking and Finance)</td>
<td>95</td>
<td>35</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>542</strong></td>
<td><strong>218</strong></td>
</tr>
<tr>
<td>MS (Environmental Management &amp; Policy)</td>
<td>29</td>
<td>3</td>
</tr>
<tr>
<td>MS (Economics)</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>MS (Biotecnology and Informatics)</td>
<td>27</td>
<td>23</td>
</tr>
<tr>
<td>MS (Electronic Engineering)</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>MS (Physics)</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>MS (Computer Sciences)</td>
<td>16</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total MS Count</strong></td>
<td><strong>88</strong></td>
<td><strong>37</strong></td>
</tr>
<tr>
<td>BS (Business Administration)</td>
<td>379</td>
<td>142</td>
</tr>
<tr>
<td>BS (Social Sciences)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BS (Information Technology)</td>
<td>19</td>
<td>3</td>
</tr>
<tr>
<td>BS (Telecom Engineering)</td>
<td>96</td>
<td>16</td>
</tr>
<tr>
<td>BS (Chemical Engineering)</td>
<td>97</td>
<td>1</td>
</tr>
<tr>
<td>BS (Economics)</td>
<td>51</td>
<td>16</td>
</tr>
<tr>
<td>BS (Physics)</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BS (Electronic Engineering)</td>
<td>272</td>
<td>14</td>
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<tr>
<td>BS (Textile Engineering)</td>
<td>113</td>
<td>6</td>
</tr>
<tr>
<td>BS (Petroleum &amp; Gas Engineering)</td>
<td>177</td>
<td>3</td>
</tr>
<tr>
<td>BS (Computer Sciences)</td>
<td>140</td>
<td>43</td>
</tr>
<tr>
<td>BS (Computer Engineering)</td>
<td>165</td>
<td>34</td>
</tr>
<tr>
<td>BS (Biotechnology &amp; Informatics)</td>
<td>86</td>
<td>96</td>
</tr>
<tr>
<td><strong>Total BS Count</strong></td>
<td><strong>1609</strong></td>
<td><strong>378</strong></td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>2872</strong></td>
<td></td>
</tr>
</tbody>
</table>
## BUIITEMS Partnerships

### University of Southern Queensland, Australia
- Fostering business sustainability for competitiveness in Pakistani small and medium size enterprises (SMEs).

### US Department of Commerce
- Pak-US Consultation on Technology Transfer under Commercial Law Development Program

### Japan International Aid Agency (JICA)
- Strengthening of BUIITEMS Engineering Programs through provision of equipment and training
- Assisting BUIITEMS in getting accreditation of Washington Accord
- Strengthening of BUIITEMS Career Services Office

### Winrock International Institute of Agriculture Development
- Pakistan Agriculture Cold Chain Development Project

### AusAid
- Consultancy to promote Australian Development Awards
- Foundation training of the Australian Development Awards

### Institute of Business Administration, Karachi
- Global Entrepreneurship Monitor Research Program
Alumni Home-coming Event

Directorate of UA&FA in the year 2011 held a mega Alumni Home-coming Event in which around 400 BUITEMS alumni participated. The worthy Vice Chancellor Ahmed Farooq Bazai, Pro Vice Chancellor, Prof. Dr. M. A. K. Malghani, and Director UA&FA, Dr. Muhammad Nawaz and Deputy Director UA&FA, Muhammad Shah Khan addressed the alumni. Ex. Federal Minister, Mr. Ayatullah Durrani also joined the gathering. The alumni were delighted to be in their alma mater again with their friends and teachers.

Collaboration with JICA

BUITEMS Directorate of UA&FA submitted a proposal to Japanese International Cooperation Agency (JICA), responding to which JICA agreed to provide lab equipment for Civil Engineering, Mining Engineering, and Petroleum and Gas Engineering Departments of BUITEMS. This engineering equipment would assist BUITEMS in providing world-class education in the field of engineering.

In addition, JICA also agreed to sponsor BUITEMS Engineering faculty members for training in Japan. Extensive support in the area of curriculum development and usage of contemporary engineering equipment would be provided. Moreover, JICA has committed to provide assistance in strengthening the Career Services Office of BUITEMS, too. This collaboration between BUITEMS and JICA marks the beginning of a new era in the field of engineering education in the country.
Students’ Internships

In order to bridge the gap between students’ theoretical knowledge and the actual business world, students at BUITEMS are required to undertake internships during their study programs. Internships help students to develop various professional skills. The following chart depicts some of organization where BUITEMS students were placed on internships in the year 2011.
**Directorate of Human Resource Development**

**Faculty Development**

Human Resource Development (HRD) is continuously enhancing the skills and expertise of BUITEMS employees. Faculty development program (FDP) was an initiative of HEC to improve the human resource capabilities of BUITEMS.

Presently 106 faculty members have been awarded scholarships for MS, MS leading to PhD and PhD studies in reputed National & International Universities. Forty faculty members are sponsored by Faculty Development Program of BUITEMS and 10 won Fulbright scholarship while some have been awarded scholarship either by the Australian Government / the China Government or HEC.

Twenty five scholars have rejoined BUITEMS after completing their MS or PhD studies.

During the year 2011, 32 faculty members proceeded for higher studies.

<table>
<thead>
<tr>
<th>S#</th>
<th>Various Categories of Scholars</th>
<th>MS/MPhil</th>
<th>MS leading to PhD</th>
<th>PhD</th>
<th>Postdoc</th>
<th>Others</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>FDP</td>
<td>07</td>
<td>21</td>
<td>12</td>
<td>Nil</td>
<td>Nil</td>
<td>40</td>
</tr>
<tr>
<td>02</td>
<td>Fulbright</td>
<td>01</td>
<td>06</td>
<td>03</td>
<td>Nil</td>
<td>Nil</td>
<td>10</td>
</tr>
<tr>
<td>03</td>
<td>HEC</td>
<td>01</td>
<td>04</td>
<td>02</td>
<td>02</td>
<td>01</td>
<td>10</td>
</tr>
<tr>
<td>04</td>
<td>Self Finance</td>
<td>31</td>
<td>02</td>
<td>02</td>
<td>Nil</td>
<td>Nil</td>
<td>35</td>
</tr>
<tr>
<td>05</td>
<td>Others (China, Norway, South Korea and Australia)</td>
<td>04</td>
<td>0</td>
<td>05</td>
<td>02</td>
<td>0</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>44</strong></td>
<td><strong>33</strong></td>
<td><strong>24</strong></td>
<td><strong>04</strong></td>
<td><strong>01</strong></td>
<td><strong>106</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S#</th>
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<th>MS/MPhil</th>
<th>MS leading to PhD</th>
<th>PhD</th>
<th>Postdoc</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>indigenous</td>
<td>16</td>
<td>Nil</td>
<td>1</td>
<td>Nil</td>
<td>17</td>
</tr>
<tr>
<td>02</td>
<td>Foreign</td>
<td>07</td>
<td>01</td>
<td>5</td>
<td>02</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>23</strong></td>
<td><strong>01</strong></td>
<td><strong>6</strong></td>
<td><strong>02</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>
BUITEMS Building Leadership

Extra curricular/Co-curricular Activities
Sports Round-up

All Pakistan Cricket Championship Zone “I”
The tournament was played at St. Francis Grammar High School’s Cricket Ground, from 14th to 16th February 2011. Participants of the event were BUITEMS, University of Balochistan, IQRA University, BUET Khuzdar and Lasbela University. BUITEMS stood first at the event.

All Pakistan Basketball Zone “I”
The event was organized at BUET, Khuzdar from 3rd to 5th January 2011. BUITEMS qualified for Final Round at University of Central Punjab Lahore, commenced from 20th to 24th January 2011. For Inter-varsity championship, eighteen teams got selected to contest All Pakistan Basketball. BUITEMS got 7th Position in the final round (on the basis of score points).
All Pakistan Inter-University Football Championship 2011

The championship was played at Agha Khan University ground (Karachi) from 2nd to 17th April 2011. BUITEMS played its final against NED University and secured second position on the basis of penalty hits.

All Pakistan Inter-University Bodybuilding Championship.

Pakistan Body Building Association organized All Pakistan Inter-University Bodybuilding Championship at University of Central Punjab, Lahore from 19th to 20th December, 2011.

A total of 73 players participated in the event in which Mr. Bilawal Khan from BUITEMS secured 2nd position and got selected for All Pakistan Varsity teams as well.

BUITEMS Inter-Departmental Table Tennis and Badminton Championship

Directorate of Sports organized the 7th Inter-departmental Table Tennis and Badminton championship from 1st to 6th June, 2011.

Table tennis (Male):
MBA (B&F) won the tournament while BS (BA) was runner up.

Badminton (Male):
BS (BA) won the final event and BS (CE) was runner up.

Badminton and Table tennis (Female)
The Final Match of Inter-Departmental Badminton (Female) 2011 was played between Miss Syeda Iqra and Miss Samana. Miss Syeda Iqra won the tournament by 2-1. While in the table tennis final event Ms. Samana won the title by winning the opponent by 2-0.
Badminton and Table Tennis (Faculty vs Administration)
Final of Inter-Departmental Badminton 2011 was played between Sabir Kasi and Mr. Shah Marjan. Mr. Sabir Kasi won the tournament by 2-1. While in the other event Mr. Zuhair Durani won the Table Tennis final title by winning against Mr. Shah Marjan by 2-1.

BUITEMS Interdepartmental Basketball Championship
7th Interdepartmental Basketball tournament final was held between BS (P&G) and BS(CE) in October 2011. BS (P&G) won the title of the event.

BUITEMS T-20 Championship
7th Interdepartmental, T-20 Cricket tournament 2011 was held in October, 2011. BS (P&G) won against BS (CE) in the final match. In the same event the Administration (Takatu Campus) won the title against the Faculty (City Campus).
Competitions

N@STEC 2010 Competition at NUST

N@STEC’ competition was organized by NUST School of Electrical Engineering and Computer Science (SEECS), Islamabad from December 31, 2010 to January 02, 2011. BUITEMS got 1st position.

BUITEMS wins Young Leader Awards

Six BUITEMS students were awarded ‘Young Leaders’ title by College of Youth Activism and Development (CYAAD)

- Sameen Khan
- Syed Waheedullah Shah
- Deepak Kumar
- Bilqees Khan
- Ms. Zainab Rasheed
- Mr. Zarak Khan

All Pakistan Allama Iqbal Inter-University Debate Contest

Allama Iqbal Shield Extempore Debate Contest was held on 7th April 2011, in HEC Auditorium Islamabad. A total of 30 student debaters from all the provinces of Pakistan participated in the bilingual extempore debate round.

Ms. Sania Qureshi, Student of BS(Economics) was awarded a shield and a certificate, acknowledging her commendable performance in the competition.
Art Competition at BUITEMS

An Art Competition / Poster Making Contest on the topic of Child Labor was arranged on the 5th of May, 2011 at BUITEMS. Students representing the Fine Arts departments of various universities in the province participated in the competition. Mr. Muhammad Abid, Department of Fine Arts BUITEMS won second prize.

BUITEMS Bags Two Positions at Mega Talent Hunt 2011

The final round of All Balochistan Mega Talent Hunt was conducted by The Organization for the Development of Youth (ODY) on June 03, 2011. BUITEMS’ Sania Sabir of BS (Eco.) won second position.
Inter-Departmental, Bilingual Debate Competition

BUITEMS Students Affairs arranged an inter-departmental, bilingual declamation competition on June 29, 2011.

The first, second and third positions in English Declamation were respectively bagged by Ms. Sania Sabir of BS (Eco.), Ms. Kaneez Fatima of BS (Biotechnology & Informatics) and Marjan Gul Panezai of BS (Civil Engg.)

National Engineering Robotics Contest (NERC-2011)

National Engineering Robotics Contest was held at NUST, Islamabad from July 2 to July 7, 2011. A group of students, comprising Zeeshan Ahmed, Zaheer Ahmed, Qazi Junaid and Zohair Aashique from the department of Computer Engineering, BUITEMS presented a robotic project in the contest.

The Robot designed by the BUITEMS’ students was highly appreciated by the panel of experts and officials of NUST.

Inter Departmental Song Competition

Students Affairs BUITEMS organized a Song Competition on July 04, 2011. More than 25 students participated in the event. Mr. Shehryar Khan of BS (Electronic Engineering), Mr. Kamran Khan BS (Biotechnology & Informatics) and Mr. Haris of BS (Civil Engineering) got first, second and third positions respectively.
The World of Art

Newly Established Print Making Studio in Department of Fine Arts

The department of Fine Arts offers Four Year Degree Program (BFA) in four major areas: i) Painting. ii) Sculpture. iii) Miniature Painting. iv) Printmaking.

The print making studio was established in department of Fine Arts, which contains Etching Presses and Litho Press with complete accessories.
Exhibition of Japanese Calendars

Japan Cultural Center at Quetta organized exhibition of Japanese calendars at Takatu Campus, BUITEMS on February 27, 2011. Provincial Minister, Mr. Jan Ali Changezi was the Chief Guest at the ceremony. Chief of JICA Mr. Takatoshi Nishikata formally inaugurated the ceremony. Colorful calendars, showing distinctive traditional features of Japanese life, were displayed on the occasion. Calendars depicting specific Japanese art forms like Ikebana and horticultural innovations were viewed with special interest.

Ethical Values Poster Exhibition

BS (BA) students organized an ‘Ethical Value Poster Exhibition’ in the Auditorium at City Campus BUITEMS on 6th and 9th May 2011 with the objective to promote ethical values required for success in the social and professional life of every student. On the same token the “Ray of Hope” Poster Exhibition was held on 28th June 2011 in the Training Hall, Takatu Campus.

Department of Architecture Annual Exhibition 2011

Department of Architecture, BUITEMS organized its second annual exhibition at Arfa Kareem Randhawa Expo Centre Takatu Campus on 13th June; 2011. The theme of the exhibition was “Architectural Design Idea Competition” for low cost houses suitable for flood-affected areas of Pakistan.

Provincial Minister for Women’s Development, Ms. Ghazala Gola inaugurated the exhibition. Aim of the said exhibition was to create a sense of responsibility in the students of the university to participate in community service at large.
A world of Inspiration

Solo Painting Exhibition by Mr. Kaleem Khan Director Fine Arts at BUITEMS was held in Art Gallery of Pakistan at Karachi on 22nd September 2011.

glimpses from Solo Exhibition by Kaleem Khan
Relief in Fiber glass at Iqbal Hall by Mr. Nisar

Relief in Fiber glass at Jinnah Hall by Mr. Nisar
STAGE DESIGN FOR CONVOCATION 2010

The faculty members and students of Fine Arts decorated the stage at Arfa Kareem Randhawa Expo Centre, Takatu Campus for BUITEMS 7th convocation.

STUDENT PAINTING & SCULPTURE EXHIBITION 2011
BUITEMS

7th Convocation
BUITEMS 7th Convocation

Convocation is a memorable milestone in the lives of graduating students. When proceedings of the 7th Convocation of BUITEMS were afoot, Nature too manifested her superb beauty. Graduating students, their parents and guardians, faculty members and guests congregated in front of the Arfa Kareem Randhawa Expo Center for the commencement of the event. Thick flakes of snow poured down from the heavens like white rose petals and, within no time, the whole area around wore the bridal snow white apparel. The faces of all present on the occasion lit up with joy.

The Chief Guest of the day, Honorable Governor Balochistan/Chancellor BUITEMS, Nawab Zulfiqar Ali Magsi was equally inspired by the atmosphere and preferred to join the convocation procession marching to the hall to the tunes of the police band, instead of being escorted directly to the hall in a car. The procession was given a standing ovation till honorable chief guest accompanied by the Vice Chancellor, the Pro Vice Chancellor and the members of BUITEMS syndicate took their seats on the dais. The police band played the national anthem during which all present in the hall kept standing in respect.

The proceedings of the convocation formally started with the recitation of verses from the holy Quran, following which a na‘at was presented. Vice Chancellor, Ahmed Farooq Bazai in his welcome address thanked the Chief Guest and others for their presence on the occasion. Presenting a brief over-view of BUITEMS accomplishments over the past nine years, he stated that more than two thousand BUITEMS graduates were engaged in national uplift efforts through their specialized services and 557 more, now stand, qualified to make their mark in professional careers with new resolve and new energies. He pointed out that nine years ago the university started with a meager intake of ninety students while today BUITEMS student strength had gone beyond five thousand. This institution has given a new outlook to the concept of education and our faculty and students have produced a sizeable number of research papers. Quality and Excellence in education being our motto, we groom our students to seek inquisitive, research based and meaningful education to equip themselves with traits of innovation and self-confidence. He declared that education and particularly quality education was imperative for the national development and urged the government to fully patronize the institutions of higher learning. He appreciated the contributions of Ms. Raheela Durrani (MPA) in enabling the university to complete a number of development projects through financial support on her part. After the
welcome address, degrees were awarded to 557 graduates in the disciplines of Computer Engineering, Computer Science, Textile Engineering, Petroleum and Gas Engineering, Electronic Engineering, Telecom Engineering, Biotechnology, Environmental Management & Policy, Business Administration, Arts and Basic Sciences. Nineteen students were decorated with gold medals for their outstanding academic performances.

The Chief Guest of the ceremony, Nawab Zulfiqar Ali Magsi, in his presidential address commended the vice chancellor and learned faculty for their excellent services which resulted in the success of the graduating students. He expressed the belief that fresh graduates would be able to find a place of respect for themselves by dint of their skills and capabilities. They would not only be able to find respectable jobs for themselves but would also be instrumental in opening job opportunities for the future batches of BUITEMS graduates. He exhorted the provincial government and members of the provincial assembly to allocate a part of their development funds for reputed institutions like BUITEMS, as patronage of the fountains of progress was their first responsibility.

The Hon. Governor announced cash award of Rupees 100,000 for each gold medallist. He was presented the university shield as a memento of the BUITEMS 7th convocation.
FESTIVITIES GALORE
Pakistan Day Balochistan mela, 2011 Festival

BUITEMS participated in “Pakistan Day – Balochistan Mela 2011” at Askari Park. The event took place from 23rd to 27th March, 2011. BUITEMS stall was visited by prominent civil and military officials. The professionalism of our students and the quality of education at BUITEMS was reflected in displayed items. BUITEMS stall was awarded first position among institutions of Balochistan.

PRCS National Youth Camp

180 volunteers from all over Pakistan participated in the PRCS National Youth Camp. These included 12 youth volunteers from BUITEMS. The theme of the camp was “Change from the Youth, By the Youth and For the Youth”. Emphasis of the camp was on activity based learning. BUITEMS stood first in singing competition and second in poster competition.
BUITEMS Alumni Home-coming Event, 2011

The Alumni Home-coming Event of BUITEMS alumni took place on April 09, 2011 at Takatu Campus. Directorate of UA&FA organized the event. More than 400 Alumni from across the country and abroad participated. The formal ceremony was followed by the alumni visit to different departments. Later on, a lunch was served which was followed by a music concert.

World Space Week, 2011 Held at BUITEMS

BUITEMS Directorate of UA&FA and SUPARCO organized the “World Space Week” event from October 10-11, 2011. The objective of the event was to create awareness among the students regarding space applications and space studies being carried out in Pakistan. Various competitions, including Water Rocket Competition, Debate Competition, Poster Competition and, Quiz Competition were held.

Ahmed Farooq Bazai, Qazi Azmat Essa and Mr. Imran Iqbal distributed prizes amongst the winners.
Youth X-Po Quetta at BUITEMS

Youth X-Po Quetta was jointly organized by BUITEMS Directorate of UA&FA, Organization for Development of Youth (ODY) and School of Leadership (SoL), Karachi at Takatu campus on December 24-25, 2011 under the theme of ‘Exploring Possibilities’.

Around 200 youth from different universities and colleges participated in the event and mentors from different organizations shared their views and knowledge with the group. Dr. Ghulam Rasool, gave his presentation on “Leadership in Community Development”. Ms. Faiza Meer spoke on “Build and Manage Meaningful Relations”. Mr. Umair Jaliawala, Chief Turning Officer at Torque gave his presentation on “TAKE CHARGE OF NOW”. Mr. Mohammad Shah Khan from BUITEMS gave a detailed presentation on “Career Development”.
Infrastructure Development
Development Projects

Physics Laboratory

State of the art laboratory equipment was procured for the Physics Laboratory in order to facilitate the students and faculty in the pursuit of contemporary academic studies and research.

Telecommunication and Electronics Laboratory.

The Telecommunication and Electronics Laboratory is fully functional with following equipments & features.

- Analog communication trainers
- Digital communication trainers
- Fiber optic kits
- Transmission lines and antenna systems
- AM/FM synthesized receivers
- Cellular telephone system
- Data transmission system
- ISDN Trainer
- LAN/WAN Trainer
- Function Generators.
- Digital storage oscilloscopes
- Analog student oscilloscope
- Trainer based units
- Microprocessor trainer
Central Engineering Laboratory
Project for Establishment of Central Engineering Laboratory was completed in 2011 in order to cater to the needs of Engineering faculty with provision of state of the art laboratory equipment for sharpening the Engineering skills of the students.

Libraries
The central library of Takatu campus has a seating capacity for 160 students. It is supplemented by the facility of digital library. Online accounts of the students have also been created where they can reserve a book online. The students are being provided with comfortable study cabins and chairs. The library of city campus has a seating capacity of 85 students.
Rehabilitation & Remodeling Project

The project has provided research equipment for different Engineering departments and laboratories such as:

- Petroleum Chemistry and Petro Physics laboratory.
- Reservoir and Core Analysis Laboratory.
- Drilling Engineering and Simulation Laboratory.

Development and Capacity Building Project

The equipment provided under this project jointly facilitate several relevant laboratories.
Construction Projects

Multipurpose Sports Complex
The objective of the project is to enable university to organize indoor sport events like badminton, table tennis, and basketball etc.

Auditorium
The project is another milestone as it is aimed at catering to the expanding needs of co-curricular activities on the campus. With a seating capacity of 500, the auditorium will have latest sound system, projection equipment side rooms, stage exit and entrance corridors, cinema screen and drama performance facilities. The auditorium will enable BUITEMS to organize indoor events like seminars, trainings, conferences etc.
Car Parking
Car parking facility has been constructed in front of Iqbal Hall to provide shelter to the staff vehicles in all weather conditions.

Seating Benches with Canopies
Seating benches with shades have been installed at different locations for the students.

Canopies in Jinnah and Iqbal Halls
Playing area for children in Residential colony

Security Barriers
Security barriers have been installed at Takatu Campus to provide a peaceful and safer environment on the campus.

Girls’ Hostel
The hostel accommodates female students coming from different parts of the country.
Faculty Hostel in Jinnah Hall

ATM Facility at Takatu Campus

Jinnah Hall & Vice Chancellor’s Secretariat.
Health and Medical Facilities

Two well equipped and properly staffed basic health units are operational at both the City campus and Takatu Campus.

In view of the rapidly growing student body, a Medical Center has been established at Takatu Campus with support of the Provincial Minister Ms. Raheela Hameed Durrani. The Medical Center has separate OPDs for male and female, with treatment facility and necessary apparatus.

In addition to their routine medical practices, awareness camps like Blood donation and Hepatitis vaccination are also arranged in order to ensure healthy environment.
Financial Highlights

In order to ensure that the University continues to grow and remain competitive, a plan was initiated for revenue generation. The University has generated funds to enable it to initiate new academic programs, technological development, maintenance of infrastructure and capacity building.

The University has been imparting quality education in the fields of Engineering, Management and Emerging Sciences. BUITEMS is in its development phase and at this stage adequate funding for its sustained growth needs to be ensured by Higher Education Commission, Federal and Provincial Governments.

Annual Budget for the financial year 2010-11 was approved to the tune of Rs.394.00 million, which was revised to Rs.400.073 million.

Budget for Financial Year 2010-11

(Amount in Rs.)

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<th>Object Classification</th>
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<th>Revised Budget 2010-11</th>
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Audit of BUITEMS Accounts For 2010-11

The BUITEMS Accounts for the financial year 2010-11, were audited by the Auditor General of Pakistan office. The Departmental Accounts Committee meeting was convened to discuss the Audit Report, the report was discussed accordingly. The audit authorities appreciated BUITEMS efforts in the maintenance of financial discipline.
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